



AKRON[®]
BRASS COMPANY

FULL LINE CATALOG



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* To order or for additional information on Weldon products in this catalog please contact:

WELDON | PH. 800.989.2718 (614.529.7230) | FAX 614.527.3547



New Products

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com



180° Fog Turbojet® Nozzle

Style 1772

- Fog pattern adjusted from straight stream to 180° fog
 - Raised bumper lug for straight pattern identification
 - Flow setting at 100 psi (7 bar); 86 psi (6 bar) optional
- See page 6



Avenger™ Nozzles

Styles 1616, 1615, 4116, 4115

- Durable, reliable and affordable
 - Superior stream performance
 - Available in selectable and fixed gallonage
- See page 19



Excel 1000™ Master Stream Nozzle

Style 5176

- Selectable gallonage combination fog and straight stream nozzle
 - User selectable flows
 - Electric pattern actuation
- See page 37



HydroFX™ Flow Indicator

Style 0120

- Flow indicating device incorporated onto handline nozzles
 - Accurate water flow indication enhancing firefighter safety
 - Perfect for training firefighters at all levels of experience
- See page 21



Akrofoam™ 2000 GPM Nozzle

Style 4478

- All in one nozzle with built-in eductor
 - User adjustable from straight stream to wide fog
 - Foam solution flows up to 2000 gpm (7600 lpm)
- See page 38



Akrochem 1250 or 2000 GPM Nozzles

Styles 4039, 4040, 4041 and 4042

- Dry chemical agent in addition to foam solution or water applications
 - High flow potential for fast effective fire knockdown
 - Electric or manual pattern control
- See page 39



Wynn Tool

Styles Wynn-5D & Wynn-6D

- Pike pole designed to pull ceilings
 - Features a chisel tip and angled pike
 - Available in 5 and 6 foot lengths (1.5 and 1.8 m)
- See page 177



HRT Pro

Style HRTP

- Multipurpose personal hand tool
 - Built-in hammer and nail puller
 - Heat treated steel construction
- See page 175



Brute Force™

BF-8

- Sledge head, chisel, axe all in one tool
 - Multiple uses such as forcible entry, overhaul, salvage and more
 - Marry with the Tri-Bar tool
- See page 175



Apollo Electric Monitor

Style 3418

- Fixed mount electric deck monitor with flows up to 1250 gpm (4800 lpm)
 - Integrated CAN control system
 - Built-in wireless control capability
- See page 44



StreamMaster™ II Monitors

Styles 3480, 3481, 3482, 3483

- Patented design with flows up to 2000 gpm
 - Unique waterway with reduced friction loss
 - Compact operating envelope
- See pages 49, 50, 64



Vanquish SST

Style 3878

- Stainless steel construction with advanced electronic controls
 - Flow capabilities up to 2000 gpm (7600 lpm)
 - Large waterway for reduced friction loss
- See page 74



Recessed Light SceneStar™ LED Scene Light

ELSS-XLAC-RM & ELSS-SLDC-RM

- Recessed within the apparatus body panel
 - Mounts with less than 2" of depth
 - Available in AC and DC versions
- See page 136



Hazardous Location SceneStar LED Scene Light

ELSS-XLAC-HDPL, ELSS-XLAC-HDAD

- 20,000 lumens light output
 - UL Listed for hazardous locations
 - Choice of portable configurations
- See page 129



LED Work Lamp

8270-0100-30

- Utilizes 4 mid-power LED's for optimal output
 - Highly engineered optics
 - Completely sealed electronics
- See page 123



1020 Series LED Warning Light

1020-5000

- High power LEDs
 - Dual lenses efficiently distribute the light
 - Superior thermal efficiency and low current draw
- See page 106



Link₂ Wireless Fleet Information System

6400

- Module captures critical vehicle data
 - Analysis data on an intuitive web-based dashboard
 - Schedule maintenance, improve safety, reduce repair costs
- See page 87

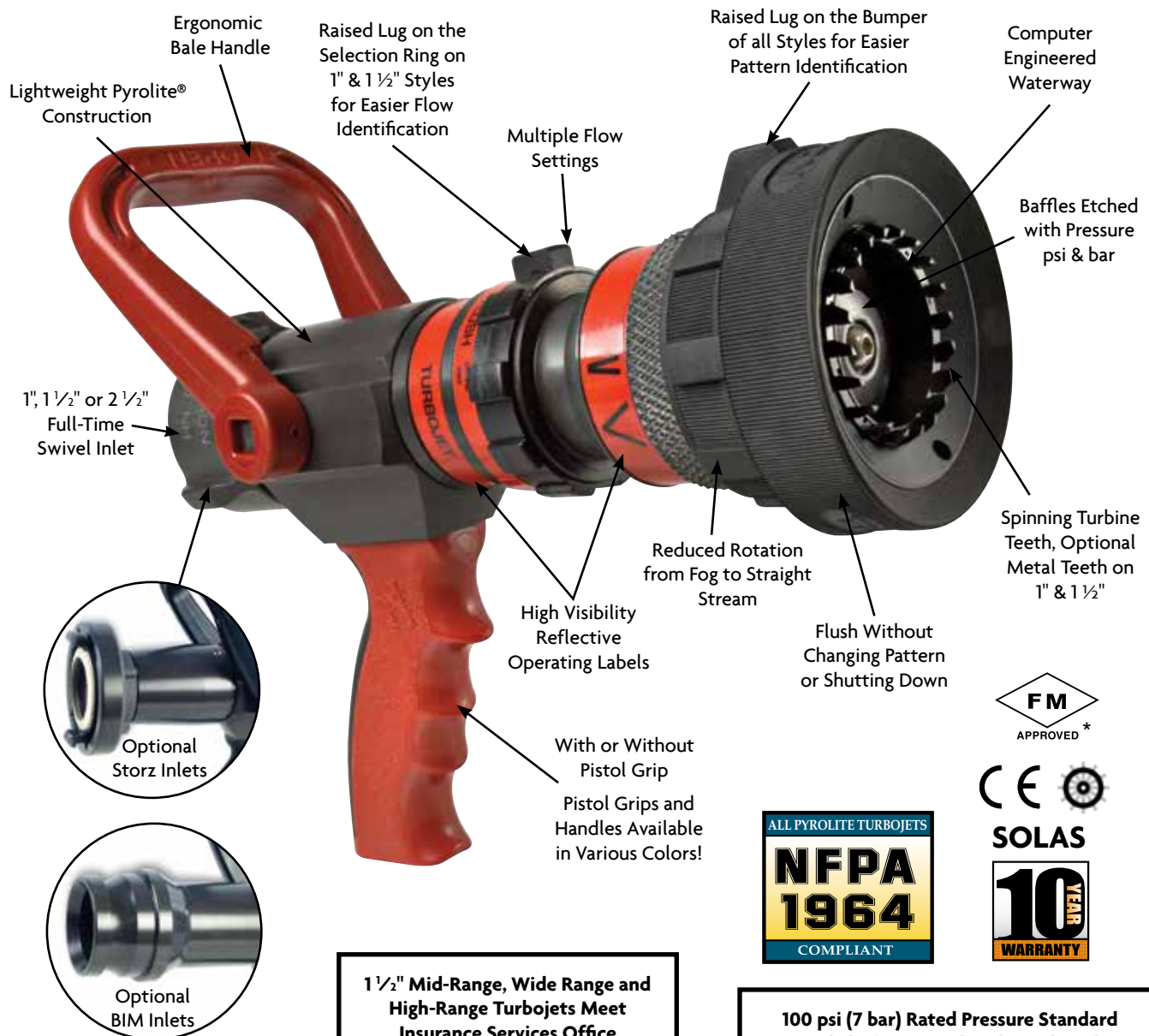




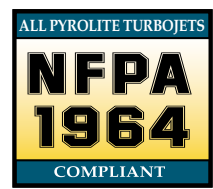
The Akron® adjustable gallonage Turbojet nozzle is unmatched in today's fire service for its flexibility and flow control. The Turbojet is a constant gallonage nozzle (flow remains the same in all patterns) with multiple flow settings for operator flow control. Use the Turbojet one time and it is easy to see why it's the nozzle of choice by firefighters worldwide.

Features:

- Pattern Identification
- Simple to operate (1/4 turn from straight stream to fog)
- Raised lug marks straight stream for limited visibility operations
- Easy to service & repair
- Meets European Standard CEN 1582 (Must Specify)



SOLAS



1 1/2" Mid-Range, Wide Range and High-Range Turbojets Meet Insurance Services Office (ISO) Requirements

**100 psi (7 bar) Rated Pressure Standard
75 psi (5 bar) Optional with Quality Flow Performance as Low as 50 psi (3.45 bar)**

* FM Approved Styles 1702, 1720, 1733 & 1763



Turbojet® Nozzles

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

1" Turbojet Nozzles

- Flow setting at 100 psi (7 bar) operating pressure can be used for high pressure applications up to **580 psi (40 bar)** hydrostatic pressure
- Raised bumper lug for straight stream pattern identification
- Compatible with Quick-Attack™ Foam Tube Style 755, See page 35

1701 1" Turbojet Nozzle

1702* 1" Turbojet Nozzle with Pistol Grip

- SOLAS & approved available (Must specify)

1703 1" Turbojet Tip with 1 1/2" inlet

- For use on Style 753 shutoff

1704 1" Turbojet Nozzle with Pistol Grip

- Specify either 18-30 GPM or 13-23-30 GPM settings

1711 1" Turbojet Tip with 1 1/2" inlet

- For use on Style 753 shutoff
- Specify either 18-30 GPM or 13-23-30 GPM settings



Style 1702



Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1701	1" (25 mm)	9 1/4" (206 mm)	2 1/2 (1.1 kg)	13-25-40-60	50-100-150-230
1702*	1" (25 mm)	9 1/4" (206 mm)	3 (1.4kg)	13-25-40-60	50-100-150-230
1703	1 1/2" (38 mm)	6 5/8" (14 mm)	1 3/4 (.8 kg)	13-25-40-60	50-100-150-230
1704	1" (25 mm)	9 1/4" (206 mm)	3 (1.4 kg)	18-30** 13-23-30**	70-115* 50-90-115**
1711	1 1/2" (38 mm)	6 5/8" (14 mm)	3 1/4 (1.7 kg)	18-30** 13-23-30**	70-115* 50-90-115**

* FM Approved Style 1702

**Must specify

1" 180° Fog Turbojet Nozzles

1772 1" 180° Fog Turbojet with Pistol Grip

- Flow setting at 100 psi (7 bar) standard, **86 psi (6 bar) optional**, can be used for high pressure applications up to 580 psi (40 bar)
- Fog pattern can be adjusted from straight stream to 180° for fog pattern
- SOLAS & approved (Must specify)



Style 1723

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1772	1" (25 mm)	9 1/2" (241 mm)	3 (1.4 kg)	13-25-40-60	50-100-150-230

1 1/2" Turbojet Nozzles

- 100 psi (7 bar) standard, **75 psi & 86 psi (5 & 6 bar) optional**
- Compatible with Quick-Attack Foam Tube Style 766, See page 35

1714 1 1/2" Turbojet Tip

1715 1 1/2" Turbojet Nozzle

1716 1 1/2" Turbojet Breakapart Nozzle

- Combination of Style 1717 tip with twist shutoff + Style 2115 shutoff

1717 1 1/2" Turbojet Tip with Twist Shutoff

1718 1 1/2" Turbojet Breakapart Nozzle with Pistol Grip

- Combination of Style 1717 tip with twist shutoff + Style 2116 shutoff

1720* 1 1/2" Turbojet Nozzle with Pistol Grip

- SOLAS & approved (Must specify)



Style 1720



Style 1717



Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1714	1 1/2" (38 mm)	6 7/8" (165 mm)	2 1/4 (1 kg)	30-60-95-125	115-230-360-475
1715	1 1/2" (38 mm)	9 1/2" (232 mm)	3 1/2 (1.6 kg)	30-60-95-125	115-230-360-475
1716	1 1/2" (38 mm)	12" (295 mm)	3 3/4 (1.7 kg)	30-60-95-125	115-230-360-475
1717	1 1/2" (38 mm)	7 1/4" (175 mm)	2 1/4 (1 kg)	30-60-95-125	115-230-360-475
1718	1 1/2" (38 mm)	12" (295 mm)	4 1/8 (1.9 kg)	30-60-95-125	115-230-360-475
1720*	1 1/2" (38 mm)	9 1/2" (232 mm)	4 (1.8 kg)	30-60-95-125	115-230-360-475

* FM Approved Style 1720



1 1/2" Electrical Turbojet Nozzles

- Designed to be used on class "C" hazards
- No straight stream capabilities (min. 30° fog)

1715E 1 1/2" Electrical Turbojet Nozzle

1720E 1 1/2" Electrical Turbojet Nozzle with Pistol Grip



Style 1720E

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1715E	1 1/2" (38 mm)	9 1/2" (232 mm)	3 1/2 (1.6 kg)	30-60-95-125	115-230-360-475
1720E	1 1/2" (38 mm)	9 1/2" (232 mm)	4 (1.8 kg)	30-60-95-125	115-230-360-475

Wide-Range Turbojet Nozzles

- Flow settings at 100 psi (7 bar) standard, **75 psi (5 bar) optional**
- Compatible with Quick-Attack Foam Tube Style 777, See page 35
- Optional 2.5" inlet available upon request

1762 Wide-Range Turbojet Nozzle

1763** Wide-Range Turbojet Nozzle with Pistol Grip

1764 Wide-Range Turbojet Breakpart Nozzle

- Combination of Style 1767 tip with twist shutoff + Style 2129 shutoff

1765 Wide-Range Turbojet Breakpart Nozzle with Pistol Grip

- Combination of Style 1767 tip with twist shutoff + Style 2127 shutoff

1766 Wide-Range Turbojet Tip

1767 Wide-Range Turbojet Tip with Twist Shutoff



Style 1763

Style	Swivel Inlet*	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1762	1 1/2" (38 mm)	11" (279 mm)	5 3/8 (2.4 kg)	30-95-125-150-200	115-360-475-550-750
1763**	1 1/2" (38 mm)	11" (279 mm)	5 3/4 (2.6 kg)	30-95-125-150-200	115-360-475-550-750
1764	1 1/2" (38 mm)	10 1/2" (267 mm)	5 1/4 (2.4 kg)	30-95-125-150-200	115-360-475-550-750
1765	1 1/2" (38 mm)	10 1/2" (267 mm)	5 9/16 (2.5 kg)	30-95-125-150-200	115-360-475-550-750
1766	1 1/2" (38 mm)	7 1/2" (190 mm)	3 1/2 (1.6 kg)	30-95-125-150-200	115-360-475-550-750
1767	1 1/2" (38 mm)	7 1/2" (190 mm)	3 1/2 (1.6 kg)	30-95-125-150-200	115-360-475-550-750

** FM Approved Styles 1763
100 psi (7 bar) rated pressure configuration

Mid-Range Turbojet Nozzles

- Flow settings at 100 psi (7 bar) standard, **75 psi (5 bar) optional**
- Compatible with Quick-Attack Foam Tube Style 768, See page 35
- Optional 2.5" inlet available upon request

1722 Mid-Range Turbojet Nozzle

1723 Mid-Range Turbojet Nozzle with Pistol Grip

1724 Mid-Range Turbojet Tip with Twist Shutoff

1734 Mid-Range Turbojet Breakpart Nozzle

- Combination of Style 1724 tip with twist shutoff + Style 2129 shutoff

1735 Mid-Range Turbojet Breakpart Nozzle with Pistol Grip

- Combination of Style 1724 tip with twist shutoff + Style 2127 shutoff

1737 Mid-Range Turbojet Tip



Style 1723


Style	Swivel Inlet *	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1722	1 1/2" (38 mm)	10 3/4" (273 mm)	6 (2.7 kg)	95-125-150-200	360-475-550-750
1723	1 1/2" (38 mm)	10 3/4" (273 mm)	6 1/2 (2.9 kg)	95-125-150-200	360-475-550-750
1724	1 1/2" (38 mm)	6" (152 mm)	4 1/2 (2.0 kg)	95-125-150-200	360-475-550-750
1734	1 1/2" (38 mm)	9" (229 mm)	6 1/4 (2.9 kg)	95-125-150-200	360-475-550-750
1735	1 1/2" (38 mm)	9" (229 mm)	6 5/8 (3.0 kg)	95-125-150-200	360-475-550-750
1737	1 1/2" (38 mm)	6" (152 mm)	4 1/2 (2.0 kg)	95-125-150-200	360-475-550-750

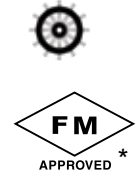


Turbojet® Nozzles

High-Range Turbojet Nozzles

- Flow setting upto 250 GPM (950 LPM) at 100 psi (7 bar) standard, **75 psi (5 bar) optional**
- Compatible with Quick-Attack Foam Tube Style 770, See page 33

- 1725** **2 1/2" High-Range Turbojet Nozzle**
- 1726** **2 1/2" High-Range Turbojet Breakapart Nozzle**
 - Combination of Style 1727 tip with twist shutoff + Style 2125 shutoff
- 1727** **1 1/2" High-Range Turbojet Tip with Twist Shutoff**
- 1728** **1 1/2" High-Range Turbojet Breakapart Nozzle**
 - Combination of Style 1727 tip with twist shutoff + Style 2129 shutoff
- 1733*** **2 1/2" High-Range Turbojet Nozzle with Pistol Grip**
 - SOLAS &  approved (Must specify)
- 1736** **2 1/2" High-Range Turbojet Breakapart Nozzle with Pistol Grip**
 - Combination of Style 1727 tip with twist shutoff + Style 2126 shutoff
- 1738** **1 1/2" High-Range Turbojet Breakapart Nozzle with Pistol Grip**
 - Combination of Style 1727 tip with twist shutoff + Style 2127 shutoff
- 1744** **1 1/2" High-Range Turbojet Tip**
- 2730** **2 1/2" High-Range Turbojet Tip with Axial Playpipe**
 - Combination of Style 1727 tip + Style 2390 Playpipe



Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
1725	2 1/2" (65 mm)	11 1/2" (292 mm)	6 1/4 (2.8 kg)	125-150-200-250	475-550-750-950
1726	2 1/2" (65 mm)	12" (305 mm)	7 1/8 (3.2 kg)	125-150-200-250	475-550-750-950
1727	1 1/2" (38 mm)	7" (178 mm)	4 1/2 (2.0 kg)	125-150-200-250	475-550-750-950
1728	1 1/2" (38 mm)	11 3/8" (289 mm)	6 1/4 (2.8 kg)	125-150-200-250	475-550-750-950
1733*	2 1/2" (65 mm)	11 1/2" (292 mm)	6 3/4 (3.1 kg)	125-150-200-250	475-550-750-950
1736	2 1/2" (65 mm)	12 3/4" (324 mm)	7 3/8 (3.3 kg)	125-150-200-250	475-550-750-950
1738	1 1/2" (38 mm)	12 3/4" (324 mm)	6 5/8 (3.0 kg)	125-150-200-250	475-550-750-950
1744	1 1/2" (38 mm)	6" (152 mm)	4 1/2 (2.0 kg)	125-150-200-250	475-550-750-950
2730	2 1/2" (65 mm)	16 1/2" (419 mm)	10 (4.5 kg)	125-150-200-250	475-550-750-950

* FM Approved Styles 1733
100 psi (7 bar) rated pressure configuration

1 1/2" Industrial Turbojet Nozzles

- Brass construction
- **All 1 1/2" Industrial Turbojets are FM approved**
- Flow setting at 100 psi (7 bar) operating pressure
- Compatible with Quick-Attack Foam Tube Style 765, See page 35



- 3716** **1 1/2" Industrial Turbojet Nozzle**
- 3718** **1 1/2" Industrial Turbojet Nozzle**
- 3719** **1 1/2" Industrial Turbojet Nozzle with Pistol Grip**
 - Flow set to 95 GPM (360 LPM)
- 3721** **1 1/2" Industrial Turbojet Nozzle with Pistol Grip**



Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
3716	1 1/2" (38 mm)	7 7/8" (200 mm)	7 1/2 (3.4 kg)	60-95-125	230-360-475
3718	1 1/2" (38 mm)	7 7/8" (200 mm)	7 1/2 (3.4 kg)	95	360
3719	1 1/2" (38 mm)	7 7/8" (200 mm)	8 3/4 (4.0 kg)	95	360
3721	1 1/2" (38 mm)	7 7/8" (200 mm)	8 3/4 (4.0 kg)	60-95-125	230-360-475

2 1/2" Industrial Turbojet Nozzle

- 3725** **2 1/2" Industrial Turbojet Nozzle**
 - Brass construction
 - Flow setting at 100 psi (7 bar) operating pressure
 - Compatible with Quick-Attack Foam Tube Style 785, See page 35



Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Settings	
				GPM	LPM
3725	2 1/2" (65 mm)	10 1/4" (260 mm)	12 1/2 (5.7 kg)	120-150-200-250	450-550-750-950





SaberJet™ (Single Shutoff) Nozzles

The SaberJet Nozzle employs the latest in firefighting nozzle technology. The Single Shutoff SaberJet is a truly multi-purpose nozzle with the penetration of a solid bore tip and the advantages of a fog pattern. The Single Shutoff SaberJet has a unique three position handle and ball to give you solid bore, fog or closed positions. The nozzle is capable of operating efficiently at pressures as low as 50 psi to reduce firefighter fatigue, or up to 100 psi for maximum flow. This versatile nozzle is well suited for multiple applications. If you are looking for a multi-purpose nozzle, look no further... SaberJet is your answer.



Lightweight Pyrolite® Construction

Solid Bore Tip Options
3/4", 7/8", 15/16" or 1"
(Field Changeable)

Ergonomic Bale Handle

Adjustable Fog Stream With Pattern Detents

High Visibility, User Friendly Operating Labels

1 1/2" or 2 1/2" Full-Time Swivel Inlet

Spinning Turbine Teeth

Computer Engineered Waterways

3 Position Handle: Closed, Fog & Smooth Bore

Operates Effectively from 50-100 psi



Optional Storz Inlets



Optional BIM Inlets

With or Without Pistol Grip
Pistol Grips and Handles Available in Various Colors!



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SaberJet™ (Single Shutoff) Nozzles



Mid-Range SaberJet Nozzles (SSO)

• Compatible with Quick-Attack Foam Tube Style 768, See page 35

1532 Mid-Range SaberJet SSO Nozzle

1533 Mid-Range SaberJet SSO Nozzle with Pistol Grip



Style 1533

Style	Swivel Inlet	Length	Weight Lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1532	1 1/2" (38 mm)	11 1/8" (283 mm)	5 3/4 (2.6 kg)	1/2", 5/8", 3/4", 7/8", 15/16", 1" * (13, 16, 19, 22, 24, 25 mm)	135	510
1533	1 1/2" (38 mm)	11 1/8" (283 mm)	6 1/4 (2.8 kg)	1/2", 5/8", 3/4", 7/8", 15/16", 1" * (13, 16, 19, 22, 24, 25 mm)	135	510

* Must Specify

High-Range SaberJet Nozzles (SSO)

• Compatible with Quick-Attack Foam Tube Style 768, See page 35

1535 High-Range SaberJet SSO Nozzle

1536 High-Range SaberJet SSO Nozzle with Pistol Grip



Style 1536

Style	Swivel Inlet	Length	Weight Lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1535	2 1/2" (65 mm)	11 3/4" (298 mm)	6 (2.7 kg)	3/4", 7/8", 15/16", 1" * (19, 22, 24, 25 mm)	135	510
1536	2 1/2" (65 mm)	11 3/4" (298 mm)	6 1/2 (2.9 kg)	3/4", 7/8", 15/16", 1" * (19, 22, 24, 25 mm)	135	510

* Must Specify



Style 1533



Solid Bore



Fog



SaberJet™ (Dual Shutoff) Nozzles

The patented SaberJet Nozzle employs the latest in firefighting nozzle technology. The Dual Shutoff SaberJet is our original multi-purpose nozzle with both solid bore penetration and fog stream capability. It also gives you the ability to flow both at the same time. The Dual Shutoff SaberJet can operate efficiently at pressures as low as 50 psi for reduced firefighter fatigue, or up to 100 psi for maximum flow. This versatile nozzle is well suited for multiple applications, making it a truly multi-purpose nozzle.



Style 1512

Patent 6,877,676



Fog



Solid Bore



Combination Stream
(Dual Shutoff only)

1" SaberJet Nozzles (DSO)

- Compatible with Quick-Attack Foam Tube Style 777, See page 35

1512 1" SaberJet Nozzle DSO with Pistol Grip

1513 1" SaberJet DSO Nozzle

Style	Swivel Inlet	Length	Weight lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1512	1" (25 mm)	10 1/2" (267 mm)	5 3/8 (2.4 kg)	3/8", 1/2", 5/8" * (9.5, 13, 16 mm)	60	230
1513	1" (25 mm)	10 1/2" (267 mm)	5 (2.3 kg)	3/8", 1/2", 5/8" * (9.5, 13, 16 mm)	60	230

* Must Specify

1 1/2" SaberJet Nozzles (DSO)

- Compatible with Quick-Attack Foam Tube Style 777, See page 35

1515 1 1/2" SaberJet DSO Nozzle

1520 1 1/2" SaberJet DSO Nozzle with Pistol Grip

Style	Swivel Inlet	Length	Weight lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1515	1 1/2" (38 mm)	10 1/2" (267 mm)	5 (2.3 kg)	3/8", 1/2", 5/8" * (9.5, 13, 16 mm)	95	360
1520	1 1/2" (38 mm)	10 1/2" (267 mm)	5 3/8 (2.4 kg)	3/8", 1/2", 5/8" * (9.5, 13, 16 mm)	95	360

* Must Specify

Mid-Range SaberJet Nozzles (DSO)

- Compatible with Quick-Attack Foam Tube Style 768, See page 35

1522 Mid-Range SaberJet DSO Nozzle

1523 Mid-Range SaberJet DSO Nozzle with Pistol Grip

Style	Swivel Inlet	Length	Weight lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1522	1 1/2" (38 mm)	11" (279 mm)	5 3/4 (2.6 kg)	3/4", 7/8", 1 1/8", 1 1/4" * (19, 22, 24, 25 mm)	135	510
1523	1 1/2" (38 mm)	11" (279 mm)	6 1/4 (2.8 kg)	3/4", 7/8", 1 1/8", 1 1/4" * (19, 22, 24, 25 mm)	135	510

* Must Specify

High-Range SaberJet Nozzles (DSO)

- Compatible with Quick-Attack Foam Tube Style 768, See page 35

1525 High-Range SaberJet DSO Nozzle

1526 High-Range SaberJet DSO Nozzle with Pistol Grip

Style	Swivel Inlet	Length	Weight lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1525	2 1/2" (65 mm)	11 5/8" (295 mm)	6 (2.7 kg)	3/4", 7/8", 1 1/8", 1 1/4" * (19, 22, 24, 25 mm)	135	510
1526	2 1/2" (65 mm)	11 5/8" (295 mm)	6 1/2 (2.9 kg)	3/4", 7/8", 1 1/8", 1 1/4" * (19, 22, 24, 25 mm)	135	510

* Must Specify

High-Range SaberJet Nozzles (DSO)

- Compatible with Quick-Attack Foam Tube Style 768, See page 35
- Saberjet with 1 1/8" tip ideal for CAFS

1527 High-Range SaberJet DSO Nozzle

- Specify 2 1/2" or 1 1/2" swivel inlet

1528 High-Range SaberJet DSO Nozzle with Pistol Grip

Style	Swivel Inlet	Length	Weight lbs. (kg)	Tip Options	Fog at 100 PSI (7 bar)	
					GPM	LPM
1527	2 1/2" or 1 1/2" * (65 or 38 mm)	11 5/8" (295 mm)	6 (2.7 kg)	1 1/8" (29 mm)	135	510
1528	2 1/2" or 1 1/2" * (65 or 38 mm)	11 5/8" (295 mm)	6 1/2 (2.9 kg)	1 1/8" (29 mm)	135	510

* Must Specify





Assault™ Nozzles

Akron® Assault Nozzles combine quality stream performance at a variety of pressures with the simplicity of a fixed orifice. It is one of the most versatile and easy to use nozzles in today's fire service. Quality stream performance at a variety of pressures, combined with a durable and simple design makes the Assault an unbeatable value.

The Assault provides:

- Better stream performance at pressures as low as 50 PSI
- Affordably priced
- Simplified nozzle training
- No recalibration required
- Low maintenance due to simple, durable design

Features:

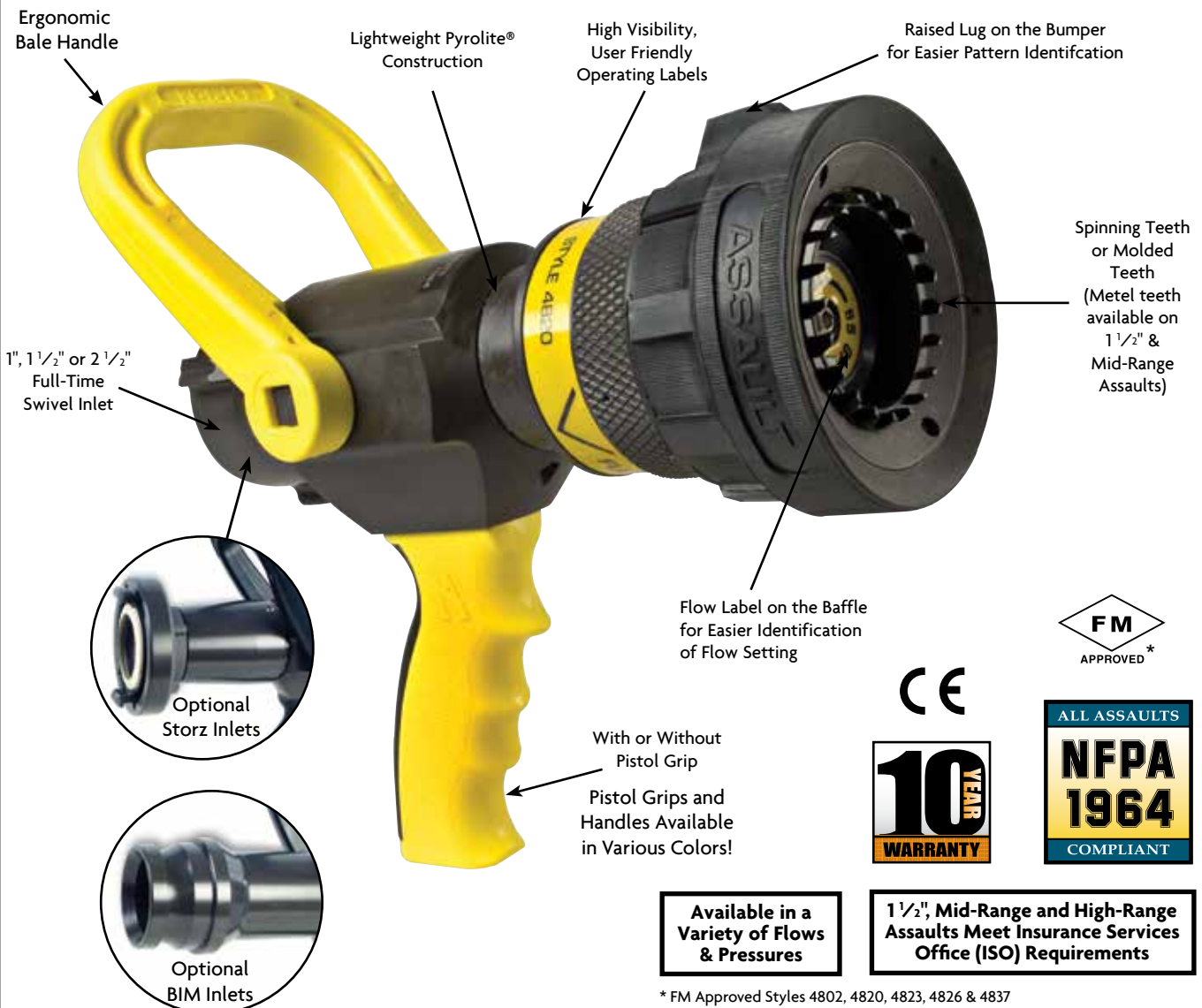
- Pattern identification
- Easy to operate (1/4 turn from straight stream to fog)
- Raised lug marks straight stream for limited visibility operations
- Easy to service & repair
- Meets European Standard CEN 15182 (Must Specify)



Wide, dense fog delivers superior radiant heat protection...



Tight, hard-hitting straight stream for maximum reach and penetration...



Available in a Variety of Flows & Pressures

1 1/2", Mid-Range and High-Range Assaults Meet Insurance Services Office (ISO) Requirements

* FM Approved Styles 4802, 4820, 4823, 4826 & 4837



1" Assault Nozzles

- Quick change pattern adjustment
- 100 psi (7 bar), **optional 6 bar available**
- Styles 4801, 4802, and 4804 can be used for high pressure applications up to **580 psi (40 bar) hydrostatic pressure**
- Compatible with Quick-Attack Foam Tube Style 755 (4801-4805) Style 777 (4712-4713, 4512-4813), See page 35

- 4801** 1" Assault Nozzle with Spinning Teeth
- 4802**** 1" Assault Nozzle with Pistol Grip and Spinning Teeth
- 4803** 1" Assault Tip with 1 1/2" Inlet
For use with Style 753 shutoff
- 4804** 1" Assault Tip with Spinning Teeth
- 4806** 1" De-icing Nozzle with Pistol Grip
- 4712** 1" Assault Nozzle with Pistol Grip and Molded Teeth
• 60 GPM (230 LPM) flow
- 4812** 1" Assault Nozzle with Pistol Grip and Spinning Teeth
• 60 GPM (230 LPM) flow
- 4713** 1" Assault Nozzle with Molded Teeth
• 60 GPM (230 LPM) flow
- 4813** 1" Assault Nozzle with Spinning Teeth
• 60 GPM (230 LPM) flow



Style 4802

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Range	
				GPM	LPM
4801	1" (25 mm)	8 15/16" (227 mm)	2 7/8 (1.3 kg)	13, 25 or 40 *	50, 100 or 150 *
4802**	1" (25 mm)	8 15/16" (227 mm)	3 1/4 (1.5 kg)	13, 25 or 40 *	50, 100 or 150 *
4803	1 1/2" (38 mm)	5 3/4" (146 mm)	2 (.9 kg)	13, 25 or 40 *	50, 100 or 150 *
4804	1" (25 mm)	6" (152 mm)	2 (.9 kg)	13, 25 or 40 *	50, 100 or 150 *
4806	1" (25 mm)	8" (203 mm)	3 1/4 (1.5 kg)	20, 50	75, 189
4712	1" (25 mm)	9 5/8" (244 mm)	4 3/8 (2.0 kg)	60	230
4812	1" (25 mm)	9 5/8" (244 mm)	4 3/8 (2.0 kg)	60	230
4713	1" (25 mm)	9 5/8" (244 mm)	4 (1.8 kg)	60	230
4813	1" (25 mm)	9 5/8" (244 mm)	4 (1.8 kg)	60	230

* Must specify flow option
** 4802 FM Approved at 100 psi (7 bar) rated pressure

1 1/2" Assault Nozzles

- Quick change pattern adjustment
- SPECIFY PRESSURE AND FLOW, see chart to right
- Compatible with Quick-Attack Foam Tube Style 777, See page 35

- 4714** 1 1/2" Assault Tip with Molded Teeth
- 4814** 1 1/2" Assault Tip with Spinning Teeth
- 4715** 1 1/2" Assault Nozzle with Molded Teeth
- 4815** 1 1/2" Assault Nozzle with Spinning Teeth
- 4716** 1 1/2" Assault Breakpart Nozzle with Molded Teeth
• Combination of Style 4717 tip + Style 2115 shutoff (1" water way)
- 4816** 1 1/2" Assault Breakpart Nozzle with Spinning Teeth
• Combination of Style 4817 tip + Style 2115 shutoff (1" water way)
- 4717** 1 1/2" Assault Tip with Twist Shutoff and Molded Teeth
- 4817** 1 1/2" Assault Tip with Twist Shutoff and Spinning Teeth
- 4718** 1 1/2" Assault Breakpart Nozzle with Pistol Grip and Molded Teeth
• Combination of Style 4717 tip + Style 2116 shutoff
- 4818** 1 1/2" Assault Breakpart Nozzle with Pistol Grip and Spinning Teeth
• Combination of Style 4817 tip with twist shutoff + Style 2116 shutoff (1 3/8" water way)
- 4819** 1 1/2" Assault Breakpart Nozzle with Spinning Teeth
• Combination of Style 4817 tip with twist shutoff + Style 2129 shutoff (1 3/8" water way)
- 4720***** 1 1/2" Assault Nozzle with Pistol Grip and Molded Teeth
- 4820** 1 1/2" Assault Nozzle with Pistol Grip and Spinning Teeth
- 4821** 1 1/2" Assault Breakpart Nozzle with Pistol Grip and Spinning Teeth
• Combination of Style 4817 tip with twist shutoff + Style 2127 shutoff



Style 4820



Style 4817

1 1/2" and Mid-Range Assaults meet Insurance Services Office (ISO) Requirements

Pressure & Flow Options For 1 1/2" Assault Nozzles

NOZZLE PSI	60 @ 100	95 @ 75	95 @ 100	125 @ 75	125 @ 100	150 @ 50	150 @ 75	150 @ 100	175 @ 75	175 @ 100	200 @ 100
	Actual GPM										
50	42	78	67	102	88	150	122	106	143	124	141
75	52	95	82	125	108	184	150	130	175	152	173
100	60	110	95	144	125	212	173	150	202	175	200

Pressure & Flow Options For 1 1/2" Assault Nozzles

NOZZLE BAR	230 @ 7	360 @ 5	360 @ 7	475 @ 5	475 @ 7	550 @ 3	550 @ 5	550 @ 7	660 @ 5	660 @ 7	750 @ 7
	Actual LPM										
3	159	295	254	386	333	550	462	401	541	469	534
5	197	360	310	475	409	696	550	492	660	575	655
7	230	416	360	545	475	802	655	550	765	660	750

Optional 6 bar available

Style	Swivel Inlet	Length	Weight lbs. (kg)
4714	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)
4715	1 1/2" (38 mm)	8 3/8" (213 mm)	3 1/2 (1.6 kg)
4716	1 1/2" (38 mm)	10 1/2" (267 mm)	4 (1.8 kg)
4717	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)
4718	1 1/2" (38 mm)	11" (279 mm)	4 5/8 (2.2 kg)
4720	1 1/2" (38 mm)	8 3/8" (213 mm)	3 3/4 (1.7 kg)
4814	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)
4815	1 1/2" (38 mm)	8 3/8" (213 mm)	4 (1.8 kg)
4816	1 1/2" (38 mm)	10 1/2" (267 mm)	4 (1.8 kg)
4817	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)
4818	1 1/2" (38 mm)	11" (279 mm)	4 5/8 (2.2 kg)
4819	1 1/2" (38 mm)	10 7/8" (276 mm)	4 1/4 (1.9 kg)
4820***	1 1/2" (38 mm)	8 3/8" (213 mm)	4 1/4 (1.9 kg)
4821	1 1/2" (38 mm)	10 7/8" (276 mm)	4 1/4 (1.9 kg)

*** All pressure/flow configurations with exception of 150 gpm @75 psi (550 lpm @ 5 bar) are FM Approved



Assault™ Nozzles

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

1 1/2" Electrical Assault Nozzles

- Designed to be used on class "C" hazards
- No straight stream capabilities (min. 30° fog)
- 100 psi (7 bar) operation pressure
- SPECIFY FLOW, 95 or 125 gpm (3600 or 475 lpm)
- 95 and 125 gpm only

4815E 1 1/2" Electrical Assault Nozzle with Spinning Teeth

4820E 1 1/2" Electrical Assault Nozzle with Pistol Grip and Spinning Teeth



Style 4815E

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Range	
				GPM	LPM
4815E	1 1/2" (38 mm)	8 3/8" (213 mm)	3 1/2 (1.6 kg)	95 or 125 only *	360 or 475 only*
4820E	1 1/2" (38 mm)	8 3/8" (213 mm)	3 3/4 (1.7 kg)	95 or 125 only *	360 or 475 only*

* Must specify

Mid-Range Assault Nozzles

- Quick change pattern adjustment
- SPECIFY PRESSURE AND FLOW, see chart below
- Compatible with Quick-Attack Foam Tube Style 777, See page 35
- Optional 2.5" inlet available upon request

4862 Mid-Range Assault Nozzle

4863 Mid-Range Assault Nozzle with Pistol Grip

4864 Mid-Range Assault Breakapart Nozzle
• Combination of Style 4867 tip with twist shutoff + Style 2129 shutoff

4865 Mid-Range Assault Breakapart Nozzle with Pistol Grip
• Combination of Style 4867 tip with twist shutoff + Style 2127 shutoff

4866 Mid-Range Assault Tip

4867 Mid-Range Assault Tip with Twist Shutoff



Style 4863

Style	Swivel Inlet*	Length	Weight lbs. (kg)
4862	1 1/2" (38 mm)	8 3/4" (222 mm)	4 (1.8 kg)
4863	1 1/2" (38 mm)	9" (222 mm)	4 1/4 (1.9 kg)
4864	1 1/2" (38 mm)	10 7/8" (276 mm)	4 1/4 (1.9 kg)
4865	1 1/2" (38 mm)	10 7/8" (276 mm)	4 5/8 (2.1 kg)
4866	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)
4867	1 1/2" (38 mm)	6 1/2" (165 mm)	2 3/4 (1.2 kg)

* Optional 2.5" inlet available upon request

Pressure & Flow For Mid-Range Assault Nozzles

NOZZLE PSI	150 @ 50	150 @ 75	150 @ 100	175 @ 50	175 @ 75	175 @ 100	200 @ 50 *	200 @ 75	200 @ 100	225 @ 100
	Actual GPM									
50	150	122	106	175	143	124	200	163	141	159
75	184	150	130	214	175	152	245	200	173	195
100	212	173	150	247	202	175	283	231	200	225

Pressure & Flow For Mid-Range Assault Nozzles

NOZZLE BAR	550 @ 3	550 @ 5	550 @ 7	660 @ 3	660 @ 5	660 @ 7	750 @ 3	750 @ 5	750 @ 7	850 @ 7
	Actual LPM									
3	550	462	401	660	541	469	750	617	534	602
5	696	550	492	810	660	575	927	750	655	738
7	802	738	550	435	765	660	1071	874	750	852

* No baffle kits available. Factory set only. Not available on 2.5" (65mm) inlets.



High-Range Assault Nozzles

- Quick change pattern adjustment
- SPECIFY PRESSURE AND FLOW, see chart below



- 4822** 1 1/2" High-Range Assault Nozzle with Spinning Teeth
- 4722** 1 1/2" High-Range Assault Nozzle Less Teeth
- 4823*** 1 1/2" High-Range Assault Nozzle with Pistol Grip and Spinning Teeth*
- 4824** 1 1/2" High-Range Assault Tip with Spinning Teeth
- 4724** 1 1/2" High-Range Assault Tip Less Teeth
- 4825** 2 1/2" High-Range Assault Nozzle with Spinning Teeth
- 4826*** 2 1/2" High-Range Assault Nozzle with Pistol Grip and Spinning Teeth*
- 4726** 2 1/2" High-Range Assault Nozzle with Pistol Grip Less Teeth
- 4827** 1 1/2" High-Range Assault Tip with Twist Shutoff and Spinning Teeth
- 4830** 2 1/2" High-Range Assault Tip with Axial Playpipe
 - Combination of Style 4827 tip with twist shutoff + Style 2390 playpipe
- 4834** 1 1/2" High-Range Assault Breakapart Nozzle with Pistol Grip
 - Combination of Style 4827 tip with twist shutoff + Style 2127 shutoff
- 4835** 1 1/2" High-Range Assault Breakapart Nozzle
 - Combination Style 4827 tip with twist shutoff + Style 2129 shutoff
- 4836** 2 1/2" High-Range Assault Breakapart Nozzle with Pistol Grip
 - Combination of Style 4827 tip with twist shutoff + Style 2126 shutoff
- 4837*** 2 1/2" High-Range Assault Tip with Twist Shutoff and Spinning Teeth*
- 4838** 2 1/2" High-Range Assault Breakapart Nozzle
 - Combination of Style 4827 tip with twist shutoff + Style 2125 shutoff

Style	Swivel Inlet	Length	Weight lbs. (kg)
4722	1 1/2" (38 mm)	12 11/64" (309 mm)	6 1/2 (7.5 kg)
4724	1 1/2" (38 mm)	9 3/32" (231 mm)	5 1/8 (3.2 kg)
4726	2 1/2" (65 mm)	12 11/64" (309 mm)	7 1/8 (3.2 kg)
4822	1 1/2" (38 mm)	11 1/2" (292 mm)	6 1/2 (7.5 kg)
4823*	1 1/2" (38 mm)	11 1/2" (292 mm)	7 1/4 (3.3 kg)
4824	1 1/2" (38 mm)	8 1/4" (210 mm)	5 1/4 (2.4 kg)
4825	2 1/2" (65 mm)	12 1/8" (206 mm)	7 1/8 (3.2 kg)
4826*	2 1/2" (65 mm)	12 1/8" (206 mm)	7 5/8 (3.5 kg)
4827	1 1/2" (38 mm)	8 3/4" (222 mm)	5 7/8 (2.7 kg)
4830	2 1/2" (65 mm)	16 3/4" (425 mm)	11 3/8 (5.2 kg)
4834	1 1/2" (38 mm)	13 1/2" (343 mm)	8 (3.6 kg)
4835	1 1/2" (38 mm)	13 1/8" (333 mm)	7 5/8 (3.5 kg)
4836	2 1/2" (65 mm)	14" (356 mm)	8 3/4 (4.0 kg)
4837*	2 1/2" (65 mm)	9 1/2" (241 mm)	6 1/2 (2.9 kg)
4838	2 1/2" (65 mm)	13 5/8" (346 mm)	8 1/2 (3.9 kg)

* FM Approved Styles 4823, 4826 & 4837

2 1/2" Assaults meet Insurance Services Office (ISO) requirements.



Style 4825



Style 4830

Pressure & Flow Options For High-Range Assault Nozzles

NOZZLE PSI	200 @ 75	200 @ 100	250 @ 50	250 @ 75	250 @ 100	300 @ 75	300 @ 100	350 @ 100
	Actual GPM							
50	163	141	250	204	177	245	212	247
75	200	173	306	250	217	300	260	303
100	231	200	354	289	250	346	300	350

Pressure & Flow Options For High-Range Assault Nozzles

NOZZLE Bar	750 @ 5	750 @ 7	950 @ 3	950 @ 5	950 @ 7	1140 @ 5	1140 @ 7	1325 @ 7
	Actual LPM							
3	617	534	950	772	670	927	802	935
5	750	655	1158	950	821	1140	984	1147
7	874	750	1340	1094	950	1310	1140	1325





Avenger Nozzles



The patent pending Avenger series of handline nozzles combine years of designing and manufacturing experience with superior performance and dependability; all at an unbeatable value. Available in selectable and fixed gallonage, the Avenger offers great stream quality and a simple design. Durable, reliable and affordable, the Avenger.

- Lightweight fog and straight stream nozzle with multiple fixed or constant gallonage settings
- Great stream performance
- Raised lug on the bumper for easier pattern identification
- Multiple pattern detents
- Integrated control ring allows you to flush the nozzle without shutting down
- Quick change pattern adjustment (90 degrees of rotation from Straight Stream to Full Fog)
- Easy to operate with simplified nozzle training
- NFPA Compliant
- Meets European CE Standard (Must Specify)
- 5 Year Warranty



STYLE 1616



STYLE 4115

1616 1 1/2" Avenger SG nozzle with pistol grip & spinning teeth

1615 1 1/2" Avenger SG nozzle with spinning teeth

4116 1 1/2" Avenger FG nozzle with pistol grip & spinning teeth

4115 1 1/2" Avenger FG nozzle with spinning teeth

Avenger FG Pressure & Flow Options								
Nozzle PSI	60 @ 75	60 @ 100	95 @ 75	95 @ 100	125 @ 75	125 @ 100	150 @ 75	150 @ 100
50	49	42	78	67	105	88	122	106
75	60	52	95	82	125	108	150	130
100	69	60	110	95	144	125	173	150

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Setting	
				GPM	LPM
1616	1 1/2" or 2 1/2" (38 or 65 mm)	10 1/2"	4.3 (2 kg)	30-60-95-125-150	115-230-360-475-550
1615	1 1/2" or 2 1/2" (38 or 65 mm)	10 1/2"	4.3 (2 kg)	30-60-95-125-150	115-230-360-475-550
4116	1 1/2" or 2 1/2" (38 or 65 mm)	10 1/2"	4 (1.8 kg)	See Avenger FG Pressure and Flow charts below	
4115	1 1/2" or 2 1/2" (38 or 65 mm)	10 1/2"	4 (1.8 kg)		







HydroFX Flow Indicator **NEW!**

The patent pending HydroFX is a flow indicating device incorporated onto handline nozzles providing immediate water flow awareness to the nozzle user. When on the frontline, the firefighter visually can see when water flow levels have reached a low or potentially dangerous condition providing a level of safety. The first of its kind, the HydroFX is compact, lightweight and reliable in the monitoring of water flow.

0120 HydroFX Flow Indicator

- Accurate flow indication enhancing firefighter safety
- Bright LED indicator lights for easy visibility in extreme firefighting conditions
- Perfect for training firefighters at all levels of experience
- Sleek low profile design doesn't add excessive bulk or weight to the nozzle
- Turns ON automatically when it senses water pressure in the nozzle
- 40+ hours of continuous operation while flowing
- Battery check function uses the LEDs to notify of low battery
- Goes into sleep mode when not in use to conserve battery life
- Departments can determine their own flow indication requirements
- Current nozzles can be retrofitted

Available on:

1 ½" (38mm) Assault™
 Mid-Range Assault
 Mid-Range Turbojet®
 Wide-Range Turbojet
 1 ½" & 2 ½" (38mm and 65mm) Inlet Saber™ Shutoffs
 1 ½" & 2 ½" (38mm and 65mm) Inlet Pyrolite® Shutoffs

How to Order:

- Simply specify your choice of nozzle and add the suffix "FX". For Example: Style 4820FX
- Style 0120 – Retrofit Kit for any 1 ½" (38mm) Assault™, Mid-Range Assault, Mid-Range Turbojet®, Wide Range Turbojet, 1 ½" & 2 ½" (38mm & 65mm) Inlet Saber™ Shutoffs, 1 ½" & 2 ½" (38mm & 65mm) Inlet Pyrolite® Shutoffs



Style 4820FX Nozzle



Style 1763FX Nozzle





Pistol Grips & Handles

Pistol Grips & Handles

Pistol Grip – This new design features unique padding added to the pistol grip providing extra cushioning to the hand for reduced muscle fatigue.

Handle – Designed for:

- Improved handling – The handle features contoured corners and a unique curve upward when in the open position providing improved grip and easier access to shut off the nozzle.
- Reduced storage space – The handles curved forward design streamlines the nozzle while reducing the overall height taking up less crosslay and cabinet space.
- Increased strength – The "I Beam" design accompanied by larger trunnion hubs provides superior strength and durability.



Pistol Grips

Color	Part Number
Black (Standard)	718233
Gray	718240
Red	718236
Orange	718238
Purple	718279
Blue	718237
White	718234
Green	718239
Yellow	718235

Available Pistol Grip & Handles Colors - Must Specify

- Black (Standard)
- Blue
- Orange
- Green
- Red
- Yellow
- White
- Gray
- Purple



Metal Bale Option - Must Specify

- Stylish design that allows 1 1/2" & 1 3/4" hose to pass through for compact hose lays

Bale Handle Options

Color	Part Number	
	1" Turbojet® 1 1/2" Turbojet 1" Assault™	Wide-Range Turbojet Mid-Range Turbojet High-Range Turbojet Dual Shutoff Saberjets™ 1.5" Assaults Mid-Range Assaults High-Range Assaults
Black (Standard)	90010001	90020001
Gray	90010004	90020004
Red	90010003	90020003
Orange	90010006	90020006
Purple	90010011	90020011
Blue	90010007	90020007
White	90010008	90020008
Green	90010005	90020005
Yellow	90010002	90020002
Metal Bale Option	122550	122551



Colored Bumpers available - Must Specify

- Black (Standard)
- Green
- Red
- Blue
- Yellow
- Gray
- Orange
- White

Black (Standard)



NOTE: Unless specified, nozzles will be shipped with Black Handles, Bumpers and Pistol Grips. All the color options are available at no additional charge on any nozzle purchase. When ordering replacements, specify nozzle Style number.



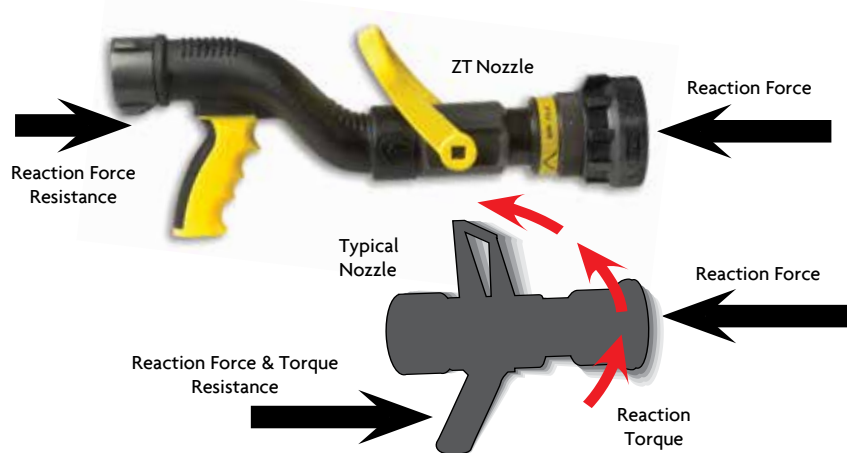
Zero Torque™

The Zero Torque (ZT) nozzle is the first nozzle specifically designed with ergonomics, handling, control and reduced firefighter fatigue in mind. The ZT naturally keeps the nozzle out in front of the firefighter to allow for easier operation and provide better control. In addition the pistol grip and inlet swivel are positioned to eliminate the reaction force torque found in all conventional pistol grip designs. Conventional pistol grip nozzles are held at a position 3 1/2" to 4" below the center line of discharge, creating a natural torque which must be resisted by the firefighter. The ZT is positioned to eliminate the torque, leaving only the straight reaction force for the firefighter to resist.

The ZT is available on any 1 1/2", Mid-Range, Wide-Range, and 2 1/2" Turbojet, SaberJet, or Assault nozzle. It is also available on Style 2125, 2129, 2430 and 2432 shutoffs with or without integrated stream shaper.

To order, simply specify your choice of 1 1/2", Wide-Range, Mid-Range, or 2 1/2" non-pistol grip Style and add "with ZT".

For example: Style 1715 w/ZT, Style 1532 w/ZT, or Style 4862 w/ZT.



Superior Handling:

The ZT pistol grip and inlet swivel are positioned to eliminate the reaction torque found in all conventional designs providing reduced short-term fatigue and better overall handling.

High Pressure Trigger Shutoff

This shutoff is a compact, lightweight, easy-to-use shutoff for high pressure nozzles. The ergonomically designed trigger shutoff automatically shuts off flow when released. Designed for high pressure applications up to 700 psi (48 bar) hydrostatic pressure. For use with High Pressure Turbojet® and Assault™ Tips.

753 High Pressure Trigger Shutoff

- 1" swivel inlet x 1 1/2" male



Style 753
Shown with Style 1703

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Range	
				GPM	LPM
753	1" (25 mm)	7 3/4" (197 mm)	4 (1.8 kg)	13-60	50-230

Ultra High Pressure Handline Nozzle

The Ultra High Pressure handline nozzle is designed to operate at pressures as high as 1500 psi. It is the perfect nozzle for delivering ultra-fine water droplets at high velocity. In addition, this nozzle handles these pressures with a bale shutoff that opens and closes with no more force than your standard firefighting nozzle.

4808 Ultra High Pressure Handline Nozzle

- Swivel: 1" NH Inlet
- Length: 7.5"
- Weight: 3.2 lbs
- Maximum Pressure: 1500 psi (Must specify)
- Flow Range: 15 – 30 GPM (Must specify)



Style 4808

Style	Swivel Inlet	Length	Weight lbs. (kg)	Flow Range	
				GPM	LPM
4808	1" (25 mm)	7 5/8" (194 mm)	3.2 (1.45 kg)	15-30*	75-115

* Must Specify



Specialty Nozzles

Brass Fog Nozzles

A combination fog and straight stream nozzle designed for efficiency with foam or water on offshore rigs and in industrial applications.

- Molded teeth
- Constant gallonage in fog and straight stream patterns
- Flush without shutting down
- Repair kits available
- Compatible with 775 Quick Attack™ Foam Tube for Styles 3015-3021, see page 35



Style 3019

Style	Inlet	Length	Weight lbs. (kg)	Flow At 100 Psi		Pistol Grip
				GPM	LPM	
3015	1 1/2" (38 mm)	8 5/8" (219 mm)	7 1/8 (3.2 kg)	95	360	-
3016	1 1/2" (38 mm)	8 5/8" (219 mm)	7 1/8 (3.2 kg)	125	475	-
3019	1 1/2" (38 mm)	8 5/8" (219 mm)	7 3/4 (3.5 kg)	95	360	YES
3021	1 1/2" (38 mm)	8 5/8" (219 mm)	7 3/4 (3.5 kg)	125	475	YES
3025	2 1/2" (65 mm)	10" (254 mm)	13 (5.9 kg)	250	950	-
3033	2 1/2" (65 mm)	11 1/4" (286 mm)	13 (5.9 kg)	250	950	YES

Cellar Nozzles

- For attacking fires in hard-to-reach places
- Ball bearing revolving action

- 535 2 1/2" Cellar Nozzle**
- 9 variable angle orifices: (3) 3/8" and (6) 13/32"
 - Meets Insurance Services Office (ISO) requirements
- 536 1 1/2" Cellar Nozzle**
- 6 variable angle orifices: (3) 1/4" and (3) 5/16"
- 545 1 1/2" Attic Nozzle**
- 6 variable angle orifices: (3) 1/4" and (3) 5/16"



Style 536

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
535	2 1/2" (65 mm)	5 1/8" (130 mm)	4 1/2 (2.0 kg)	250	950
536	1 1/2" (38 mm)	3 1/2" (89 mm)	4 1/4 (1.9 kg)	* 95	* 360
545	1 1/2" (38 mm)	3 1/2" (89 mm)	4 1/4 (1.9 kg)	* 95	* 360

* At 50 psi

Cellar Nozzle Applicator

Akron Brass offers a unique 90° Applicator with an integral Shut Off Valve and a Cellar Nozzle with foldable legs. This new unit is designed to free up the firefighter when confronted with situations requiring an overhead attack. Once this applicator is in place, the firefighter is available to perform other duties.

- Inlet: 2.5" (65 mm) Swivel
- Integral Ball Shut Off
- 90° bend for overhead applications
- Folding Legs
- Revolving Nozzle
- Flow: 500 GPM @ 50 psi
- Spray Pattern Diameter: 40' at 50 psi
- Lightweight Pyrolite® construction
- Overall length: 36.5" (927 mm)
- Weight: 18.6 lbs (8.4 kg)



Style 538
Shown with
Legs Open



Style 538
Shown with
Legs Closed



Piercing Applicator

Use a sledge hammer to drive the Piercing Applicator through concrete block, cars, mobile homes, etc. It is designed to get water or foam into hidden trouble spots. The driving button and point are made of hardened tool steel with impinging jets for a dense fog pattern. Plus, it's compatible with Class A and B foams.

- 1088 Piercing Applicator**
- Specify 3' or 6' length (914 mm or 1828 mm)



- PA-3D Piercing Applicator Extension**
- 3 foot extension PA-3D is designed to screw into the end of the piercing applicator (Style 1088) in place of the drive button providing extra reach. This New Piercing Applicator Extension allows extra vantage for those hard to reach areas.

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
1088	1 1/2" (38 mm)	3' (914 mm)	11 (5.0 kg)	125	475

- 3 foot extension to your Akron Piercing Applicator
- Easy to control D-Ring Handle
- Heavy Duty, Lightweight, 1 1/4" Fiberglass Pole
- Durable threaded connection



Piercing Applicator Extension

Hose Rack Nozzle

- 721 Hose Rack Nozzle**
- 1 1/2"
 - Shuts off past wide fog to reduce reaction force when opening
 - Protective rubber bumper
 - Available in cast or chrome finish



Style 721

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
721 *	1" (25 mm)	4 3/4" (120 mm)	2 1/2 (1.1 kg)	34	128
721 *	1 1/2" (38 mm)	5 3/4" (146 mm)	4 5/8 (2.1 kg)	65-100 **	245-378 **

* Must specify inlet
** Depends on pattern location

Industrial Fog Nozzle

- 1300 1 1/2" Industrial Fog Nozzle**
- Shuts off past straight stream and fog pattern
 - Cast finish only



Style 1300

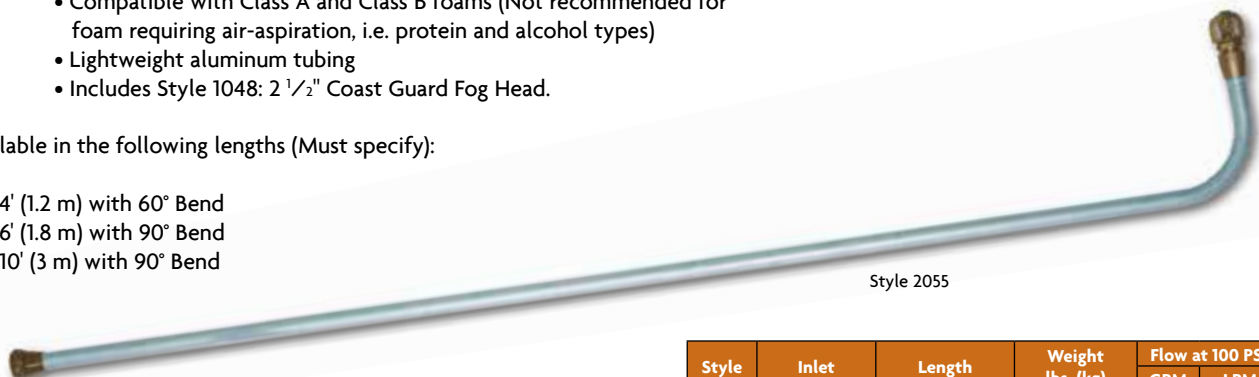
Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
1300	1 1/2" (38 mm)	5 5/8" (143 mm)	4 1/4 (1.9 kg)	128	485

Fog Applicator

- 2055 Fog Applicator**
- Designed for those hard-to-reach areas such as tank cars.
 - Compatible with Class A and Class B foams (Not recommended for foam requiring air-aspiration, i.e. protein and alcohol types)
 - Lightweight aluminum tubing
 - Includes Style 1048: 2 1/2" Coast Guard Fog Head.

Available in the following lengths (Must specify):

- 4' (1.2 m) with 60° Bend
- 6' (1.8 m) with 90° Bend
- 10' (3 m) with 90° Bend



Style 2055

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
2055	1 1/2" (38 mm)	10' (3048 mm)	6 1/2 (7.5 kg)	95	360



Specialty Nozzles

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

1" Self-Educting Forestry Gel Nozzle

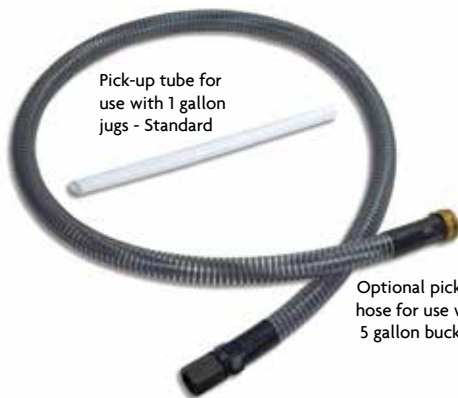
The heavy-duty, Self-Educting gel nozzle has been designed with a built-in check valve to eliminate water from entering into the agent. It also highlights a back-flush function for effortless cleaning after use.

1230 1" Self-Educting Forestry Nozzle

- Heavy Duty Pyrolite Construction
- Adjustable metering dial for eduction from "off" to 6%
- Self-Educting for ease of use with **gel** application
- Dual shutoff for better performance
 - Bale shutoff to stop the water flow
 - Twist shutoff to allow back flush
- Eductor back flush for easy cleaning of **gel** out of the eductor after use
- Check valve in eductor to prevents water from entering the **gel** container
- Static mixer in throat for better gel mixing and performance
- Variable pattern control for straight stream to fog pattern
- 15 GPM at 100 psi: Ideal setting for **gel** applications



Style 1230



Pick-up tube for use with 1 gallon jugs - Standard

Optional pick-up hose for use with 5 gallon buckets



Style 1230 Shown Connected to 1 Gallon Jug

Forestry/Wildland Nozzles

Small lightweight nozzles designed for the rugged simplicity needed for forestry/wildland applications.

1030 Forestry Nozzle

A dual flow adjustable pattern nozzle with a simple twist operation allows you to switch to the following settings:

- Off
- Low flow straight stream
- Low flow narrow fog
- High flow straight stream
- High flow fog



Style 1030

Style 1700

1700 Bush Nozzle

- A three flow setting adjustable pattern nozzle with the flow control and off settings
- Easy to operate control ring
- Adjustable pattern from straight stream to fog at any flow.
- Quarter turn, quick action pattern change
- 10 year warranty
- NFPA compliant
- Maximum operating pressure 250 psi



Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
1030	1" (25 mm)	4" (102 mm)	1/2 (.2 kg)	10 - 30	38 - 115
1700	1" (25 mm)	6 3/8" (153 mm)	2 (.9 kg)	Mop (8)-15-30	Mop (30)-60-115

Shutoffs & Playpipes With Tips



Brass Shutoffs With Straight Tip

Combination ball shutoff and straight tip with rubber bumper. Choose an orifice size and either a plain or threaded tip. Precision machining ensures better balance for improved handling.



Style 1126

Style	Finish	Length	Weight lbs. (kg)	Orifices		Threads		Combination		Shutoff Waterway Size
				Standard	Optional	Base	Tip	Shutoff	Tip	
1116	Chrome	8 3/8" (213 mm)	5 1/2 (2.5 kg)	1/2" (13 mm)	3/8" and 5/8" (10 and 16 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1125	438	1 3/8" (35 mm)
1126	Chrome	9 1/2" (241 mm)	5 1/2 (2.5 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 38 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1125	417	1 3/8" (35 mm)
1127	Chrome	9 1/2" (241 mm)	7 (3.2 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 38 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1125	416	1 3/8" (35 mm)

Playpipe Nozzles

Combination of a playpipe with ladder hook, a brass shutoff and a plain, threaded, or stacked tip.



Style 1135

Style	Finish	Length	Weight lbs. (kg)	Orifices		Threads			Combination			Shutoff Waterway Size
				Standard	Optional	Base	Top Shutoff	Top Tip	Play Pipe	Shutoff	Tip	
1131	Chrome	20 3/4" (527 mm)	14 1/2 (6.6 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 38 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	-	426	1125	417	1 3/8" (35 mm)
1132	Chrome	20 3/4" (527 mm)	16 (7.3 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 38 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	426	1125	416	1 3/8" (35 mm)
1135	Chrome	23 1/2" (600 mm)	16 1/4 (7.4 kg)	1", 1 1/8", 1 1/4" (25, 29, 32 mm)	3/4", 1", 1 1/4" (19, 25, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	-	426	1125	420	1 3/8" (35 mm)

Axial Playpipes With Tips

Combination of a playpipe with plain, stacked or threaded tips for direct connection to a 2 1/2" hose line. Playpipes have a shutoff between the handle and a full-time swivel base for easy handling.



Style 2393

Style	Finish	Length	Weight lbs. (kg)	Orifices		Threads			Combination			Shutoff Waterway Size
				Standard	Optional	Base	Top Shutoff	Top Tip	Play Pipe	Shutoff	Tip	
391	Chrome	16" (406 mm)	13 1/2 (6.1 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	-	1390	-	417	1 3/8" (35 mm)
392	Chrome	16" (406 mm)	15 (6.8 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1390	-	416	1 3/8" (35 mm)
393	Chrome	18 1/8" (460 mm)	15 1/4 (6.9 kg)	1", 1 1/8", 1 1/4" (25, 29, 32 mm)	3/4", 1", 1 1/4" (19, 25, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	-	1390	-	420	1 3/8" (35 mm)
2393	Pyrolite	18 3/8" (467 mm)	6 5/8 (7.5 kg)	1", 1 1/8", 1 1/4" (25, 29, 32 mm)	-	2 1/2" (65 mm)	1 1/2" (38 mm)	-	2390	-	1420	1 3/8" (35 mm)



Playpipes & Shutoffs

Playpipes With Shutoff

Rugged compact design for better balance and durability with dual handle stops on the shutoff.

- 2 1/2" swivel inlet x 1 1/2" male

Style	Length	Weight lbs. (kg)	Threads		Shutoff Waterway Size	Finish
			Inlet Female	Outlet Male		
1390	10 1/4" (260 mm)	12 1/4 (5.6 kg)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)	Chrome
2390	10 1/2" (267 mm)	5 1/2 (2.5 kg)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)	Pyrolite®



Style 1390



Style 2390

Playpipe With Ladder Hook

This playpipe provides a rigid hose extension and gripping surface with a unique hook to hang your ladder rung.

Style	Length	Weight lbs. (kg)	Threads		Finish
			Inlet Female	Outlet Male	
426	11" (279 mm)	9 (4.1 kg)	2 1/2" (65 mm)	1 1/2" (38 mm)	Chrome



Style 426

Brass Shutoff

- Full-time restricted swivel base ensures the handle can be positioned for easy operation
- Available in cast or chrome finish

Style	Length	Weight lbs. (kg)	Threads		Shutoff Waterway Size	Finish
			Inlet Female	Outlet Male		
1125	4 3/4" (121 mm)	4 1/4 (1.9 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)	Cast or Chrome*

* Must Specify



Style 1125 Cast

Style 1125 Chrome*

Pistol Grip Adapter

1719 Pistol Grip Adapter

- Lightweight Pyrolite® construction
- 1 1/2" (38 mm) swivel inlet x 1 1/2" (38 mm) outlet
- Length: 5 7/8" (149 mm)
- Weight: 1 3/4 lbs. (.8 kg)



1.5" Thread Protector

2400 Thread Protector

The thread protector is designed to protect the threads on products like the Saber™ Shutoff, Leader Line Wyes, Mini Stream Shapers, In-Line Eductors or anything with 1.5" (38 mm) threads. This 1.5" (38 mm) thread protector comes with a sure grip knurled finish that makes it easy to affix and/or remove. It is made of orange anodized aluminum.





Saber™ Shutoffs With Integral Tip

Lightweight ball shutoff with an integral straight bore tip.



Style 2431

Style	Pistol Grip	Finish	Length	Weight lbs. (kg)	Orifices	Threads		Shutoff Waterway Size
						Inlet	Outlet	
2428	-	Pyrolite	6" (150 mm)	1 5/8 (1.7 kg)	3/8", 1/2" (10, 13 mm)	1" (25 mm)	1" (25 mm)	1" (25 mm)
2429	YES	Pyrolite	6" (150 mm)	2 3/8 (1.1 kg)	3/8", 1/2" (10, 13 mm)	1" (25 mm)	1" (25 mm)	1" (25 mm)
2430	-	Pyrolite	6 7/8" (175 mm)	2 1/4 (1.0 kg)	3/4", 7/8", 15/16", 1", 1 1/8", 1 1/4" (19, 22, 24, 25, 29, 32 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1 3/8" (29 mm)
2431	YES	Pyrolite	6 7/8" (175 mm)	3 (1.4 kg)	3/4", 7/8", 15/16", 1", 1 1/8", 1 1/4" (19, 22, 24, 25, 29, 32 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	1 3/8" (29 mm)
2432	-	Pyrolite	7 3/8" (187 mm)	3 (1.4 kg)	3/4", 7/8", 15/16", 1", 1 1/8", 1 1/4" (19, 22, 24, 25, 29, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (29 mm)
2433	YES	Pyrolite	7 3/8" (187 mm)	3 1/2 (1.6 kg)	3/4", 7/8", 15/16", 1", 1 1/8", 1 1/4" (19, 22, 24, 25, 29, 32 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (29 mm)

Pyrolite Shutoffs

- Tough, lightweight ball shutoffs with a full-time swivel base ensures the handle can be positioned for easy operation.

Shutoff Waterway Size 1" (For Flows Less Than 150 GPM)							
Style	Pistol Grip	Finish	Length	Weight lbs. (kg)	Threads		Shutoff Waterway Size
					Inlet Female	Outlet Male	
2101	-	Pyrolite	4 1/4" (108 mm)	1 1/4 (.6 kg)	1" (25 mm)	1" (25 mm)	1" (25 mm)
2102	YES	Pyrolite	4 1/4" (108 mm)	2 (.9 kg)	1" (25 mm)	1" (25 mm)	1" (25 mm)
2108	YES	Pyrolite	4 1/2" (114 mm)	1 5/8 (.7 kg)	1" (25 mm)	1 1/2" (38 mm)	1" (25 mm)
2115	-	Pyrolite	4 1/2" (114 mm)	1 1/2 (.7 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	1" (25 mm)
2116	YES	Pyrolite	4 1/2" (114 mm)	1 7/8 (.9 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	1" (25 mm)

Shutoff Waterway Size 1 3/8" & 2" (For Flows More Than 150 GPM)							
Style	Pistol Grip	Finish	Length	Weight lbs. (kg)	Threads		Shutoff Waterway Size
					Inlet Female	Outlet Male	
2125	-	Pyrolite	6" (152 mm)	2 5/8 (1.2 kg)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)
2126	YES	Pyrolite	6" (152 mm)	2 7/8 (1.3 kg)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)
2127	YES	Pyrolite	4 7/8" (124 mm)	2 1/8 (1.0 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)
2129	-	Pyrolite	4 7/8" (124 mm)	1 3/4 (.8 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	1 3/8" (35 mm)
2130	-	Pyrolite	6 3/8" (162 mm)	4 1/4 (1.9 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	2" (51 mm)



Style 2127
Shutoff with Pistol Grip & Handle



Style 2115

Pyrolite® Shutoffs With Dual Stacked Tips

Lightweight ball shutoff with Style 439 tips for use where a fog nozzle is not required. Base tip has a female thread on the outlet for added protection and durability.

Style	Pistol Grip	Finish	Length	Weight lbs. (kg)	Inlet	Orifices	Combination		Shutoff Waterway Size
							Shutoff	Tip	
1440	-	Pyrolite	10 3/8" (264 mm)	2 1/2 (1.3 kg)	1 1/2" (38 mm)	15/16" x 1/2" (24 x 13 mm)	2129	439	1 3/8" (35 mm)
1441	YES	Pyrolite	10 3/8" (264 mm)	2 7/8 (1.3 kg)	1 1/2" (38 mm)	15/16" x 1/2" (24 x 13 mm)	2127	439	1 3/8" (35 mm)
1442	-	Pyrolite	11 1/2" (292 mm)	3 3/8 (1.5 kg)	2 1/2" (65 mm)	1 1/8" x 1/2" (29 x 13 mm)	2125	439	1 3/8" (35 mm)
1443	YES	Pyrolite	11 1/2" (292 mm)	4 5/8 (2.1 kg)	2 1/2" (65 mm)	1 1/8" x 1/2" (29 x 13 mm)	2126	439	1 3/8" (35 mm)



Style 1440

Blitz Tips

Pyrolite shutoff with pistol grip and straight tip for high volume low pressure operation. Nearly 400 gpm at 50 psi.

Style	Pistol Grip	Finish	Length	Weight lbs. (kg)	Orifices	Threads		Combination		Shutoff Waterway Size
						Inlet	Tip	Shutoff	Tip	
1445	YES	Pyrolite	10" (254 mm)	3 3/8 (1.5 kg)	1 3/8" (35 mm)	1 1/2" (38 mm)	1 1/2" (38 mm)	2127	1499	1 3/8" (35 mm)
1446	YES	Pyrolite	10 5/8" (270 mm)	4 5/8 (2.1 kg)	1 3/8" (35 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	2126	1499	1 3/8" (35 mm)



Style 1446



Straight Tips

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Straight Tips

- 416 1 1/2" Thread Tip**
 - Now available in Pyrolite®
 - Intergrated Thread Protector
 - Protective rubber bumper
 - 1 1/8" standard orifice (see chart below for orifice options)
- 417 1 1/2" Plain Tip**
 - Protective rubber bumper
 - 1 1/8" standard orifice (see chart below for orifice options)
- 438 1 1/2" Plain Tip**
 - Protective rubber bumper
 - 1/2" standard orifice (see chart below for orifice options)
- 489 Plain Deluge Tip**
 - 2 1/2" Inlet
 - 1 1/2" standard orifice (see chart below for orifice options)
 - 3" Inlet
 - 2" standard orifice (see chart below for orifice options)
- 1410 1" Plain Tip**
 - 3/8" standard orifice (5/8" optional orifice)
- 1417 1 1/2" Plain Tip**
 - 7/8" standard orifice (see chart below for orifice options)
- 1430 1 1/2" Threaded Saber™ Tip**
 - Can be used with a fog tip, foam nozzle or applicator
 - Designed for use in high rise packs
 - 7/8" standard orifice (15/16" optional orifice)
- 1499 1 1/2" Plain Tip**
 - 1 3/8" standard orifice (see chart below for orifice options)
- 2489 3 1/2" MasterStream Tip**
 - 2" Orifice
- 3489 3 1/2" Shaper Tip**
 - Combination stream shaper & tip designed for use with Akron Brass StreamMaster™ monitors.
 - 2 1/2" standard orifice (2 3/4" optional orifice)



Style	Length	Weight lbs. (kg)	Orifices		Threads	Finish
			Standard	Optional		
416	6" (152 mm)	2 3/4 (1.2 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 32 mm)	1 1/2" X 1 1/2" (38 x 38 mm)	Brass or Pyrolite
417	6" (152 mm)	2 (.9 kg)	1 1/8" (29 mm)	3/4", 7/8", 1", 1 1/4" (19, 22, 25, 32 mm)	1 1/2" (38 mm)	Brass
438	4 3/8" (111 mm)	1 1/4 (.6 kg)	1/2" (13 mm)	3/8", 5/8" (9.5, 16 mm)	1 1/2" (38 mm)	Brass
489	9" (229 mm)	3-brass (1.4 kg) 1-alum. (.5 kg)	1 1/2" (38 mm)	7/8", 1 1/4", 1 3/8", 1 3/4", 2", 2 1/4" * (22, 32, 35, 44, 50, 57 mm)	2 1/2" (65 mm)	Brass or Aluminum
489	10 1/2" (267 mm)	5-brass (2.3 kg) 1 3/4 -alum. (.8 kg)	2" (50 mm)	1 3/4", 2 1/4", 2 1/2" (44, 57, 65 mm)	3" NPSH (75 mm)	Brass or Aluminum
1410	4 1/2" (114 mm)	3/8 (.2 kg)	3/8" (10 mm)	5/8" (16 mm)	1" (25 mm)	Pyrolite
1417	3 3/4" (95 mm)	3/4 (.3 kg)	7/8" (22 mm)	3/8", 1/2", 5/8", 3/4", 15/16", 1", 1 1/8", 1 1/4" ◊ (9.5, 13, 16, 19, 24, 25, 29, 32 mm)	1 1/2" (38 mm)	Pyrolite
1430	2 7/8" (73 mm)	3/4 (.3 kg)	7/8" (22 mm)	15/16" (25 mm)	1 1/2" X 1 1/2" (38 x 38 mm)	Pyrolite
2489	9" (229 mm)	2 3/4 (1.2 kg)	2" (52 mm)	3" (75 mm)	3 1/2" NH (89 mm)	Pyrolite
1499*	5" (127 mm)	3/4 (.3 kg)	1 3/8" (35 mm)	7/8", 15/16", 1", 1 1/8", 1 1/4" (22, 24, 25, 29, 32 mm)	1 1/2" NH (38 mm)	Pyrolite
3489	19" (483 mm)	6 (2.7 kg)	2 1/2" (65 mm)	2 3/4" (70 mm)	3 1/2" NH (89 mm)	Pyrolite

* Available with set screw for permanent attachment - Must Specify
 ** 2 1/4 designed for testing purposes only
 ◊ 3/8" tip NH thread only

Discharge Pipes & Stacked Tips



Discharge Pipes

Designed with built-in fins to maximize reach on any monitor.

- Cast, chrome or Pyrolite®



Style 488

Style 3488

Style	Length	Weight lbs. (kg)		Size
		Brass	Pyrolite	
488	16" (406 mm)	8 1/2 (3.9 kg)	3 1/2 (1.6 kg)	2 1/2" X 2 1/2" (65 x 65 mm)
488	16" (406 mm)	11 (5.0 kg)	-	3 1/2" NPSH X 2 1/2" (89 x 65 mm)
488	16" (406 mm)	11 3/8 (5.2 kg)	-	3 1/2" NPSH X 3" NPSH (89 x 75 mm)
3488	10 1/2" (267 mm)	6 3/4 (3.1 kg)	2 1/2 (1.3 kg)	2 1/2" X 2 1/2" (65 x 65 mm)
3488	11 1/2" (292 mm)	9 1/4 (4.2 kg)	-	3 1/2" X 2 1/2" (89 x 65 mm)
3488	14 1/2" (368 mm)	-	3 (1.4 kg)	3 1/2" X 2 1/2" (89 x 65 mm)
3488	10 1/2" (267 mm)	9 5/8 (4.4 kg)	-	3 1/2" NPSH X 3" NPSH (89 x 75 mm)

Mini Stream Shapers

- One piece extruded aluminum for extreme durability
- Tapered fins for improved stream performance
- 2 1/2" and 3 1/2" shapers have offset fins for improved stream performance.
- Style 485 is in cast brass



Style 485

Style 3485

Style	Size	Length	Weight lbs. (kg)
3485	1 1/2" x 1 1/2" (38 x 38 mm)	1 7/8" (48 mm)	1/4 (1 kg)
	2 1/2" x 2 1/2" (65 x 65 mm)	4" (100 mm)	1 1/4 (.6 kg)
	3 1/2" x 3 1/2" (89 x 89 mm)	4" (100 mm)	2 (.9 kg)
485	2 1/2" x 2 1/2" (65 x 65 mm)*	4" (100 mm)	3.7 (1.7 kg)

* 1 1/2" X 1 1/2" also available (38 mm x 38 mm)

Stacked Tips

Style	Finish	Length	Weight lbs. (kg)	Orifices		Threads		
				Standard	Optional	Base	Middle	Top
420	Chrome	8 1/4" (210 mm)	3 (1.4 kg)	1" X 1 1/8" X 1 1/4" (25 x 29 x 32 mm)	-	1 1/2" (38 mm)	1 1/2" NH (38 mm)	1 1/4" NPSH (32 mm)
420	Chrome	8 1/4" (210 mm)	3 (1.4 kg)	-	3/4" X 1" X 1 1/8" (19 x 25 x 29 mm)	1 1/2" (38 mm)	1 1/2" NH (38 mm)	1" NH (25 mm)
439	Pyrolite	6 5/8" (168 mm)	3/4 (.3 kg)	5/16" X 1/2" or 1 1/8" X 1 1/2" (24 x 13 or 29 x 13 mm)	-	1 1/2" (38 mm)	-	1" NH (25 mm)
499	Chrome	11 5/8" (295 mm)	5 1/4 (2.4 kg)	1 3/8" X 1 1/2" X 1 3/4" (35 x 38 x 44 mm)	-	2 1/2" (65 mm)	2" NH Underwriters (50 mm)	1 1/2" NH (38 mm)
499	Chrome	13 3/4" (349 mm)	6 7/8 (3.1 kg)	-	1 1/2" X 1 3/4" X 2" (38 x 44 x 50 mm)	2 1/2" (65 mm)	2" NH (50 mm)	underwriters
1420	Pyrolite	8 1/4" (210 mm)	1 1/8 (.5 kg)	1" X 1 1/8" X 1 1/4" (25 x 29 x 32 mm)	-	1 1/2" (38 mm)	1 1/2" NH (38 mm)	1 1/4" NPSH (32 mm)
2420	Pyrolite	9 5/8" (244 mm)	1 1/2 (.7 kg)	1" X 1 1/4" X 1 3/8" (25 x 32 x 35 mm)	1" X 1 1/4" X 1 1/2" (25 x 32 x 38 mm) 1" X 1 1/8" X 1 1/4" (25 x 29 x 32 mm)	2 1/2" (65 mm)	1 1/2" NH (38 mm)	1 1/4" NPSH (32 mm)
2498	Chrome*	15 1/2" (394 mm)	2 1/2 (1.1 kg)	1 1/2" X 1 3/4" X 2" (38 x 44 x 50 mm)	1 1/4" X 1 1/2" X 2" (32 x 38 x 50 mm)	2 1/2" (65 mm)	2" NH (50 mm)	1 1/2" NH (38 mm)
2499	Pyrolite	16 7/8" (429 mm)	2 7/8 (1.3 kg)	1 3/8" X 1 1/2" X 1 3/4" X 2" (35 x 38 x 44 x 50 mm)	-	2 1/2" (65 mm)	2" NH Underwriters (50 mm)	1 1/2" NH (38 mm)
3499	Pyrolite	19 1/2" (495 mm)	7 1/2 (3.4 kg)	2 1/4" X 2 1/2" X 2 3/4"*** (57 x 65 x 70 mm)	2" X 2 1/4" X 2 1/2" (51 x 57 x 65 mm)	3 1/2" NH (89 mm)	2 1/2" NH (65 mm)	2 1/2" NH (65 mm)

* Chrome plated Aluminum

**Top Tip with 2 1/2" NH Male Thread



Style 439
Dual Stacked Tips



Style 1420
Triple Stacked Tips



Style 2420
Triple Stacked Tips



Style 420
Triple Stacked Tips



Style 499 / 2498
Triple Stacked Deluge Tips



Style 3499
Master Stacked Tips
- Use with Style 3485 3 1/2" Mini Stream Shaper



Style 2499
Quad Stacked Deluge Tips



Coast Guard Nozzles

Coast Guard Shipboard Vari-Nozzles

A combination fog and straight stream nozzle designed for more efficiency with AFFF or water on-board ships. Compatible with Style 775 Quick Attack Foam Tube, see page 35.

- Brass construction
- Low friction ball and dual seats for smooth operation
- Molded teeth
- Constant gallonage in fog and straight stream patterns
- Flush without shutting down



Style 3022

Style	Length	Weight lbs. (kg)	Inlet Size	Approval Number	Pistol Grip	Flow at 100 PSI	
						GPM	LPM
3020	8 5/8" (219 mm)	7 3/4 (3.5 kg)	1 1/2" NH (38 mm)	162.027/15/0	YES	95	360
3022	8 5/8" (219 mm)	7 1/8 (3.2 kg)	1 1/2" NH (38 mm)	162.027/16/0	-	95	360

Coast Guard Nozzles With Fog Tips

Style	Length	Weight lbs. (kg)	Inlet Size	Orifice	Fog Head/Tip	Approval Number	Flow at 100 PSI	
							GPM	LPM
2032 (CG-15)	10 1/4" (260 mm)	9 (4.1 kg)	1 1/2" NH (38 mm)	5/8" ** (16 mm)	2033	162.027/09/0	* 55	* 208
2046 (CG-25)	11 1/2" (292 mm)	14 1/2 (6.6 kg)	2 1/2" NH (65 mm)	15/16" *** (25 mm)	2047	162.027/10/0	* 106	* 401

* Fog flow only
 ** 90 gpm at 100 psi
 *** 250 gpm at 100 psi



Style 2046
Including Style 2047 Fog Tip and Chain

Coast Guard Fog Tips

- 2033 1 1/2" (38 mm) Fog Tip with Chain**
- Fits Style 2032 1 1/2" CG-15 Nozzle
 - Approval no. 162.027/09/0
- 2047 2 1/2" (65 mm) Fog Tip with Chain**
- Fits Style 2046 2 1/2" CG-25 Nozzle
 - Approval no. 162.027/10/0



Style 2033

Coast Guard Applicators With Fog Heads

Applicators with stainless steel tubing to Coast Guard specifications. Improved head and end connectors for increased strength and durability.



Style 2415
Including Style 1034 Fog Head

Style	Length	Weight lbs. (kg)	Inlet Size	Fog Head/Tip	Bend	Approval Number	Flow at 100 PSI	
							GPM	LPM
2015	10' (3048 mm)	9 1/4 (4.2 kg)	1 1/2" (38 mm)	1034	90°	162.027/09/0	54	204
2225	6', 10', 12' (1827, 3048, 3657.6 mm)	† 15 3/4 (7.1 kg)	2 1/2" (64 mm)	1048	90°	162.027/10/0 *	108	408
2415	4' (1219.2 mm)	5 (2.3 kg)	1 1/2" (38 mm)	1034	60°	162.027/09/0	54	204

† 12' length
 * 12' only

Coast Guard Fog Heads

- 1034 1 1/2" (38 mm) Fog Head**
- Fits Style 2415 and 2015 Applicators
 - Approval no. 162.027/09/0
 - 1" NPT
- 1048 2 1/2" (65 mm) Fog Head**
- Fits Style 2225 Applicator and Style 2055 Fog Applicator
 - Approval no. 162.027/10/0
 - 1 1/2" NPT



Style 1034



Navy Shipboard Vari-Nozzles

- Brass construction
- Self-adjusting seats
- Molded teeth
- Massive rubber-like bumper, handle & pistol grip
- Constant gallonage in all fog and straight stream patterns
- Flush without shutting down
- Compatible with Style 775 Quick Attack Foam Tube, see page 35



Style 3020

Style	Length	Weight lbs. (kg)	Inlet Size	National Stock Number	Mil Spec Number	Flow at 100 PSI	
						GPM	LPM
3020	8 5/8" (219 mm)	7 3/4 (3.5 kg)	1 1/2" NPSH (38 mm)	4210-00-465-1906	MIL-N-24408E TY1-T1-1	95	360
3023	8 5/8" (219 mm)	7 3/4 (3.5 kg)	1 1/2" NPSH (38 mm)	4210-00-601-0986	MIL-N-24408E TY1-T1-2	125	475

4AN Navy Nozzles With Fog Tips

Combination fog and straight stream nozzles to Navy specifications.

Style 2069
Including Style 2073
Fog Tip and Chain



Style	Length	Orifice	Weight lbs. (kg)	Inlet Size	Fog Tip	National Stock No.	Navships Number	Flow at 100 PSI	
								GPM	LPM
2069	8 3/4" (222 mm)	5/8" (16 mm)	9 (4.1 kg)	1 1/2" NPSH (38 mm)	2073	4210-00-392-2943	803-1385834	* 52	* 197
2074	10 1/4" (260 mm)	1" (25 mm)	14 3/4 (6.7 kg)	2 1/2" NH (65 mm)	2077	4210-00-392-2944	803-1385835	* 132	* 500

* Fog flow only

Navy & Military Fog Tips

- 2073** 1 1/2" (38 mm) Fog Tip with Chain
- Fits Style 2069 1 1/2" Navy Nozzle
 - National stock no. 4210-00-372-0867
- 2077** 2 1/2" (65 mm) Fog Tip with Chain
- Fits Style 2074 2 1/2" Navy Nozzle
 - National stock no. 4210-00-372-0868
- 2083** 1 1/2" (38 mm) Fog Tip with Chain
- Fits Style 2079 1 1/2" Military Nozzle



Style 2073

4AN Military Nozzle With Fog Tip

Combination fog and straight stream nozzle to Military specifications (Army, Air Force and Corps of Engineers). To Former MIL-N-12314 Type II Class B.

Style 2079
Including Style 2073
Fog Tip and Chain



Style	Length	Weight lbs. (kg)	Inlet Size	Fog Tip	Orifice	Flow at 100 PSI	
						GPM	LPM
2079	8 3/4" (222 mm)	9 (4.1 kg)	1 1/2" NH (38 mm)	2083	1/2" (13 mm)	* 65	* 246

* Fog flow only



Foam Nozzles

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Master Stream Foam Aeration Nozzles

- Pyrolite® finish

3625 Master Stream Foam Nozzle

- For use with AFFF
- Expansion rate up to 12:1



Style 3625

3626 Master Stream Foam Nozzle with Dispersion Jaws

- Specify Manual, Electric or Air Actuated Dispersion Jaws
- Available without Dispersion Jaws
- For use with AFFF
- Expansion rate up to 12:1



Style 3626
With Manual Dispersion Jaws

3623 Dual Flow Automatic Master Stream Foam Nozzle

- Electric Actuated infinitely adjustable Dispersion Jaws
- For use with AFFF
- Expansion rate up to 12:1

3624 3 1/2" Dual Flow Automatic Master Stream Foam Nozzle

- Electric Actuated infinitely adjustable Dispersion Jaws
- For use with FFFP
- Expansion rate up to 6:1

Style	Inlet	Length	Weight lbs. (kg)	Flow	
				GPM	LPM
3625	2 1/2" (64 mm)	29 1/16" (738 mm)	6 1/4 (2.8 kg)	500* (250) at 100 psi	1900* (950) at 7 bar
3626	2 1/2" (64 mm)	28" (711 mm)	10 (4.5 kg)	800 or 1000 at 150 psi	3030 or 3800 at 10 bar
3623	2 1/2" or 3 1/2" (64 mm or 89 mm)	28" (711 mm)	14 1/4 (6.5 kg)	750/375 at 145 psi	2800/1420 at 10 bar
3624**	3 1/2" (89 mm)	54" (1372 mm)	29 (13 kg)	1600/800 @ (190 psi)	6000/3000 @ (120 psi) (13 bar) (8 bar)

* Preset at 500 gpm, converts to 250 gpm

** for use with 3356 only

Foam Aeration Nozzles

- Combination Akrolite® and Pyrolite
- Units with pickup tube preset at 6% easily changed to 1/2%, 1% or 3%
- Expansion rate up to 14:1
- Pressure rated at 100 psi (7 bar)

3602 Foam Nozzle

- Flows 60 GPM (230 LPM)

3601 Foam Nozzle with Pickup Tube

3952 Foam Nozzle

- Flows 95 GPM (360 LPM)

3951 Foam Nozzle with Pickup Tube

3120 Foam Nozzle

- For use with Style 2120 Eductor
- Flows 120 GPM (450 LPM)

3121 Foam Nozzle with Pickup Tube

- Flows 120 GPM (450 LPM)



Style 3951

Style 3952

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
3120	2 1/2" (65 mm)	41" (1040 mm)	5 (2.3 kg)	120	450
3121	2 1/2" (65 mm)	41" (1040 mm)	7 (3.2 kg)	120	450
3601	1 1/2" (38 mm)	30 1/4" (768 mm)	5 (2.3 kg)	60	230
3602	1 1/2" (38 mm)	30 1/4" (768 mm)	3 (1.4 kg)	60	230
3951	1 1/2" (38 mm)	38" (965 mm)	6 (2.7 kg)	95	360
3952	1 1/2" (38 mm)	38" (965 mm)	4 (1.8 kg)	95	360

Challenger™ Dual-Flow Foam Nozzle

Developed to meet the needs of aircraft rescue and firefighting nozzles.

- Dual-flow design: 60 gpm (230 lpm) and 120 gpm (460 lpm)
- Adjust flows by turning the flow control ring
- Aluminum air aspirating expansion tube with dispersion jaws

2001 Challenger Dual-Flow Foam Nozzle

- Inlet options: 1 1/2" threaded, storz or 2 1/2" BIM
- Threaded length: 24 5/8", weight: 6 lbs.
- Expansion rate between 8:1 and 15:1



Style 2001
Shown with optional
Storz inlet

Style	Inlet	Length	Weight lbs. (kg)	Flow at 100 PSI	
				GPM	LPM
2001	1 1/2" threaded, storz or 2 1/2" BIM (38 mm or 65 mm)	24 5/8" (1040 mm)	6 (2.7 kg)	60 and 120	230 and 460



Mid-X™ Medium Expansion Foam Aeration Tube

The Mid-X Foam Tube is ideal for use in fire & vapor suppression applications with its wide range of expansion ratios. The Mid-X can produce a thick foam blanket with the nozzle pattern in a wide fog position or lower expansion foam providing better reach with the pattern in straight stream. The Mid-X attaches in a matter of seconds to many Akron Brass handline nozzles.

- Expansion rate up to 50:1
- Maximum Flow 250 gpm (950 lpm)
- Maximum Pressure 100 psi
- Weight: 4.5 lbs. (2.04 kg)
- Length: 13 1/2", Diameter: 10"



Style 877
Shown on Style 4820

Style	Nozzle	Year	Bumper Diameter
866	1 1/2" (38 mm) Turbojet	1993 - current	3 5/8" (92 mm)
868	Mid-Range & High Range Turbojets	1993 - current	4 1/2" (114 mm)
	Mid-Range & 2 1/2" (65 mm) SaberJet	All	
877	Wide-Range Turbojet	All	3 7/8" (98 mm)
	1" (25 mm) & 1 1/2" (38 mm) SaberJet	All	
	1 1/2" (38 mm) & Mid-Range Assault	All	

Quick-Attack™ Foam Aeration Tubes

Pyrolite® Foam Tubes are designed to easily and quickly clamp on to various Akron® nozzles. Use the chart to the right to determine the proper Quick-Attack Foam Tube.

- Provides air-aspirated foam capability - up to 12:1 expansion ratio with AFFF
- Flow: Style 755: 30 gpm (115 lpm), Style 770: up to 250 gpm (950 lpm) all others up to 125 gpm (475 lpm)
- Length: Style 755: 11 1/2", all others: 16 3/4"
- Typical weight 2 lbs 10 oz



Style 768
Quick Attack Foam Tube
Shown with Turbojet Nozzle

Style	Nozzle	Year	Bumper Diameter
755	1" (25 mm) Turbojet	2000 - current	3" (76 mm)
	1" (25 mm) Assault	2000 - current	
	Force & Defender	All	
765	1 1/2" (38 mm) Turbojet	Pre - 1993	3 3/8" (86 mm)
	1 1/2" (38 mm) Industrial Turbojet	All	
766	1" (25 mm) Turbojet	1993 - 2000	3 5/8" (92 mm)
	1 1/2" (38 mm) Turbojet	1993 - current	
768	Mid-Range Turbojet	1993 - current	4 1/2" (114 mm)
	Mid-Range & 2 1/2" (64 mm) SaberJet	All	
770	High Range (65 mm) Turbojet	1993-Current	4 1/2" (114 mm)
775	1 1/2" (38 mm) Marauder with molded teeth	All	3 5/8" (92 mm)
	1 1/2" (38 mm) 3015-3021	All	
776	1 1/2" (38 mm) Marauder with spinning teeth	All	3 3/4" (95 mm)
777	1 1/2" (38 mm) & Mid-Range Assault	All	3 7/8" (98 mm)
	Wide-Range Turbojet	All	
	1" (25 mm) & 1 1/2" (38 mm) SaberJet	All	
	Mid-Range Turbojet	Pre-1993	
785	Mid-Range Akromatic	All	4 1/4" (108 mm)
	2 1/2" (65 mm) Industrial Turbojet	All	

FireFox™ Foam Aeration Tubes

The FireFox Aeration Tubes now give you the capability to convert your FireFox to a foam monitor for Class A or B foam applications, where a heavier foam blanket is desired. Each foam tube comes with a new turbine retaining ring that allows it to easily thread onto the end of the FireFox nozzle.

3620 Low Expansion FireFox Foam Tube

- Low expansion capability (up to 10:1) up to 125 gpm (475 lpm) on the 1 1/2" 30 - 125 gpm nozzle
- Length: 15 3/4" (400 mm)

3621 Low Expansion FireFox Foam Tube

- Low expansion capability (up to 10:1) up to 500 gpm (1900 lpm) on the 1 1/2" 125 - 350 gpm nozzle and 2 1/2" 225-500 gpm nozzle
- Also compatible with Mercury Nozzle Style 4445 & 4447
- Length: 14 1/8" (359 mm)

3622 Medium Expansion FireFox Foam Tube

- Medium expansion capability (up to 50:1) up to 125 gpm (475 lpm) on the 1 1/2" 30 - 125 gpm nozzle
- Length: 13 19/32" (345 mm)



Style 3621
Shown on Style 3293



Master Stream Nozzles

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

SaberMaster™

The SaberMaster nozzles are the only multi-purpose master stream nozzles in the fire service today. The SaberMaster 1250 makes remote controlled monitors truly remote because you can now easily change from solid bore to fog flow streams with the flip of a switch. The SaberMaster 500 allows you to switch from solid bore to fog without shutting down. No other master stream nozzles have this 2-in-1 capability.

- SaberMaster 1250 reduces the risk of injury by not having to climb onto the deck to change tips
- Provides smooth bore reach and penetration OR fog stream cooling and protection, without having to shut down the water flow to switch tips.
- No issues with tip storage or missing tips because changing from a solid bore to adjustable fog pattern is built-in
- SaberMaster 1250 designed for use with Style 3440 DeckMaster or Style 3578 StreamMaster Monitors
- SaberMaster 500 designed for use with Style 3443 Mercury™
- Built-in Stream Shaper (SaberMaster 1250)



Style 1577

Style	Material	Pattern Control	Fog Flow		Optional Flow		Solid Bore Orifice	Inlet	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
1545	Pyrolite	Manual	350*	1325*	-	-	1 3/8" (35 mm)	2 1/2" (65 mm)	-	10 7/16" (265 mm)	8 1/2 (3.9 kg)
1577	Pyrolite®	Electric	1250*	4800*	1000*	3800*	2" or 1 5/16" (51 or 49 mm)	2 1/2" or 3 1/2" (65 or 89 mm)	12 or 24 Volt	14 3/16" (376 mm)	24 (10.9 kg)

* Flow at 80 psi



Style 1545

Akromatic® 2000

Designed for flows from 500 to 2000 gpm (1900-7600 lpm) - at an operating pressure of 80 psi (5.5 bar)

- Style 5178 now with manual override and built-in stream shaper

Style	Material	Pattern Control	Flow		Optional Flow		Inlet	Teeth	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
5071	Brass	Manual	500-2000	1900-7600	-	-	3 1/2" (89 mm) (NH OR NPSH ONLY)	None	NA	12" (305 mm)	37 1/4 (16.9 kg)
5170	Pyrolite	Manual	500-2000	1900-7600	500-1500	1900-5700	3 1/2" (89 mm) (NH OR NPSH ONLY)	Fixed	NA	9 1/8" (232 mm)	15 1/4 (6.9 kg)
5178	Pyrolite	Electric	500-2000	1900-7600	500-1500	1900-5700	3 1/2" (89 mm) (NH OR NPSH ONLY)	None	12 or 24 Volt	9 1/2" (241 mm)	15 1/2 (7.0 kg)



Style 5178

Akromatic 1250

Designed for flows from 250 to 1250 gpm (950-4800 lpm) - At 80 psi (5.5 bar) operating pressure

- Style 5177 now with manual override
- Style 5160, 5161, and 5177 complete with built-in stream shaper

Style	Material	Pattern Control	Flow		Optional Flow		Inlet	Teeth	Voltage	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM					
5075	Pyrolite	Electric	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	**	12 or 24 Volt	9" (229 mm)	12 1/2 (5.7 kg)
5160	Pyrolite	Manual	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	None	-	9 1/2" (241 mm)	12 (5.4 kg)
5161	Brass	Manual	300-1250	950-4800	-	-	2 1/2" or 3 1/2" (65 or 89 mm)	None	-	9 1/2" (241 mm)	26.8 (12.2 kg)
5177	Pyrolite	Electric	250-1250	950-4800	250-1000	950-3800	2 1/2" or 3 1/2" * (65 or 89 mm)	None	12 or 24 Volt	10 3/8" (264 mm)	13 (5.9 kg)

** Flat dispersed pattern
* 3 1/2" - NH only



Style 5075



Style 5160



FM
APPROVED
Style 5161
Shown with optional paint



Style 5177



Turbomaster™

A family of adjustable gallonage master stream nozzles. Each nozzle comes equipped with four distinct, calibrated, and selectable flow settings.

- Pattern detents for positive stream positioning

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Optional flow at 7 bar		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM	GPM	LPM				
1745	Pyrolite®	Manual	250-400-550-750	950-1512-2100-2900	130-250-400-500	500-1000-1500-2000	2 1/2" (65 mm)	Spinning	9" (241 mm)	11 (5.4 kg)
1755	Pyrolite	Manual	500-750-1000-1250	1900-2900-3800-4800	-	-	2 1/2" (65 mm)	Spinning	10" (229 mm)	13 (5.7 kg)
1757	Pyrolite	Manual	350-500-750-1000	1325-1900-2900-3800	-	-	2 1/2" (65 mm)	Spinning	10" (229 mm)	13 (5.9 kg)



Style 1745

Aquastream™

A fixed gallonage master stream nozzle designed for heavy-duty use on fixed monitors.

- With grease fitting



APPROVED**
Style 4450 Only

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4450**	Brass	Manual	500 (300 & 700)*	1900 (1140 & 2650)*	2 1/2" (65 mm)	Fixed	7" (17.8 cm)	14 1/2 (6.6 kg)
4452	Pyrolite	Manual	500 (300 & 700)*	1900 (1140 & 2650)*	2 1/2" (65 mm)	Fixed	7" (17.8 cm)	4 3/4 (2.2 kg)

* Field changeable spacers included with nozzle

** FM Approved Style 4450



Style 4452

Rampage™

A fixed gallonage master stream nozzle with built-in stream shaper designed for flows up to 1250 gpm. Ideal for heavy-duty use on fixed monitors. Style 4460 has a twist shutoff.



APPROVED*
Style 4461 Only

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4460	Brass	Manual	750 (500, 1000 & 1250)*	2800 (1900, 3800 & 4800)*	2 1/2" (65 mm)	None	9" (229 mm)	23 1/4 (10.5 kg)
4461**	Brass	Manual	750 (500, 1000 & 1250)*	2800 (1900, 3800 & 4800)*	2 1/2" (65 mm)	None	9" (229 mm)	23 1/4 (10.5 kg)

* Factory set at 750 gpm - field changeable to 500 or 1000 gpm, spacers included with nozzle. Must specify 1250 gpm.

** FM Approved Style 4461



Style 4460

Rampage™ Nozzle With Electric Pattern Actuation

Style 4462

- All brass and stainless steel construction
- Ideal for mining applications
- 2 1/2" NH inlet
- Exposed surfaces protected by heavy-duty, weather resistant bellows
- Maximum Pressure: 200 psi/14 bar
- Maximum Motor Current Draw:
 - 12 Volt Motor: 3 amps
 - 24 Volt Motor: 1.5 amps

Style	Material	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)
		GPM	LPM			
4462	All brass and stainless steel construction	500-1000 750 (500&1000)*	1900-3800 750 (500&1000)*	2.5" NH (65 mm)	8 1/8" (206 mm)	19.6 (8.9 kg)

* Factory set at 750 gpm - field changeable to 500 or 1000 gpm



Style 4462 with Electric Pattern Actuation

Excel 1000™

Single fixed flows with a spring loaded baffle to provide flow setting selection with a simple turn of the baffle head.

Style	Material	Pattern Control	Flow at Factory Set Pressure PSI (bar)		Inlet	Teeth	Voltage	Length	Weight lbs. (kg)
			GPM	LPM					
5147	Pyrolite	Manual	300-500-800-1000*	1140-1900-3030-3800*	2 1/2" (65 mm)	-	-	7 5/16" (185 mm)	3.8 (1.7 kg)
5176	Pyrolite	Electric	528-600-627-760 760-845-925-1000	2000-2300-2600-2800 2900-3200-3500-3800	2 1/2" (65 mm)	-	12 or 24 Volt	10 11/32" (262 mm)	13.2 (5.9 kg)
3747	Brass	Manual	300-500-800-1000**	1140-1900-3030-3800**	2 1/2" (65 mm)	Spinning	-	8 1/2" (216 mm)	25 (11.3 kg)

* 75 PSI (5 bar)

** 100 PSI (7 bar)



Style 5147



Master Stream Nozzles

Mercury™ Nozzles

The Mercury nozzles have excellent straight stream performance and a wide, dense, fully adjustable fog pattern. Choose between the single flow orifice Style 4445 and the adjustable flow baffle Style 4447.

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
4445	Pyrolite®	Manual	500	1900	2 1/2" (65 mm)	Spinning	7" (178 mm)	5 (2.3 kg)
4447	Pyrolite	Manual	250-375-500	950-1400-1900	2 1/2" (65 mm)	Spinning	7" (178 mm)	5 (2.3 kg)

Style	Material	Pattern Control	Flow at 75 PSI (5 bar)		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
5147	Pyrolite	Manual	300, 500, 800, 1000	1140-1900-3030-3800	2 1/2" (65 mm)	-	7 5/16" (185 mm)	3.8 (1.7 kg)
5150	Pyrolite	Manual	250-1000	950-3800	2 1/2" (65 mm)	-	9 13/32" (239 mm)	9.61 (4.4 kg)
5148*	Pyrolite	Manual	800, 1000	3030, 3800	2 1/2" (65 mm)	-	11 1/4" (299 mm)	13.1 (5.9 kg)

* Oscillating MercuryMaster Nozzle for use on the MercuryMaster Monitor only



Akrofoam™

The Krofoam nozzles are self-educing master stream nozzles designed for educting foam at flow rates up to 1000 gpm (4800 lpm).

- Manual pattern control
- 10' (3 m) pick up hose and 40" (102 cm) tube

4475 Pyrolite Krofoam

- Spring loaded baffle that allow flow setting selection of 350, 500, 750, or 1000 gpm (1325, 1900, 2900, or 3800 lpm) with a simple push and turn of the baffle head.
- Quick connect, adjustable metering head with pick up rates 1% & 3%, plus 6% for 350 & 500 gpm and 1% & 3% for 750 & 1000 gpm



Style 4475

4470 Brass Krofoam

- Factory set at 500 gpm (1900 lpm) 3% and field changeable to 350, 750, or 1000 gpm (1325, 2900, or 3800 lpm)
- Grease fitting for easy maintenance
- Optional Foam Shutoff Valve, Drum Seal Kit & Quick Connect
- Metering capability of 1%, 3%, & 6% for 350 & 500 gpm, and 1% & 3% for 750 & 1000 gpm.



Style 4470

4471 Krofoam Nozzle with Electric Pattern Actuation

- All brass and stainless steel construction
- Ideal for mining applications
- Exposed surfaces protected by heavy-duty, weather resistant bellows
 - Metering Rate :
 - 1%, 3%, & 6% for 350 & 500 gpm
 - 1% & 3% for 750 & 1000 gpm
 - Maximum Pressure: 200 psi/14 bar
 - Maximum Motor Current Draw:
 - 12 Volt Motor: 3 amps
 - 24 Volt Motor: 1.5 amps



Style 4471 with Electric Pattern Actuation

4478 Krofoam™ 2000 GPM Nozzle

- Fog pattern: straight stream to wide fog
- Manual pattern control
- Pick up rates: 750, 1000, 1500, 2000 GPM at 1% and 3%; 750, 1000 GPM at 6%



Style 4478



Akrofoam works well with Jet Ratio Controller Style 3030 See Page 157

Style	Material	Pattern Control	Flow at 100 PSI (7 bar)		Inlet	Length	Weight lbs. (kg)
			GPM	LPM			
4475**	Pyrolite	Manual	500 (350, 750 & 1000)	1900 (1300, 2800 & 3800)	2 1/2" NH (65 mm)	9 1/4" (235 mm)	12 (5.4 kg)
4470***	Brass	Manual	500 (350, 750 & 1000)*	1900 (1300, 2800 & 3800)*	2 1/2" NH (65 mm)	12 3/8" (314 mm)	25 (11.3 kg)
4471***	Brass and Stainless Steel Construction	Electric	350, 500, 750 & 1000 @ 100 psi	1300, 1900, 2800 & 3800 lpm @ 7 bar	2.5" NH (65 mm)	12 1/4" (311 mm)	30 (13.6 kg)
4478	Pyrolite	Manual	750, 1000, 1500, 2000	2900, 3800, 5700, 7600	3-1/2" NH	13-3/4" (349 mm)	17.4 (7.8)

* Factory set to 500 gpm - field changeable to 350, 750 or 1000 gpm with spacers included with nozzle
 ** 44750006 pick up tube with metering head
 *** 44700002 pick up tube only



Akrochem™ 1250 or 2000 GPM Nozzles

Akrochem nozzles give you the flexibility of both dry chemical agent and foam solution or water applications. This versatile nozzle combines the effective reach of an automatic with the capability to deliver dry chemical agent at rates up to 20 lbs. (9 kg) per second. It is also designed for flowing water or foam solutions up to 2000 gpm (7600 lpm) at an operating pressure of 100 psi (7 bar).



Style 4040

Style	Material	Pattern Control	Flow		Inlet	Voltage	Length	Weight lbs. (kg)
			GPM	LPM				
4039	Pyrolite	Manual	250-1250	950-4800	2-1/2" or 3-1/2" (65 or 89 mm)	-	11-1/2" (292 mm)	11 (5)
4040	Pyrolite	Electric	250-1250	950-4800	2-1/2" or 3-1/2" (65 or 89 mm)	12 or 24 Volt	11-1/2" (292 mm)	11.5 (5.2)
4041	Pyrolite	Manual	750-2000	2900-7600	3-1/2" (89 mm)	-	13-3/4" (349 mm)	17 (7.7)
4042	Pyrolite	Electric	750-2000	2900-7600	3-1/2" (89 mm)	12 or 24 Volt	13-3/4" (349 mm)	17-1/2 (7.9)

FireFox™ Nozzle

An electrically controlled nozzle with flows from 15 to 500 gpm (60 to 1900 lpm) at an operating pressure of 100 psi (7 bar). The FireFox nozzle comes with either a single fixed flow baffle or an adjustable four setting baffle and is for use with 12 or 24 Volt monitors featuring current limiting, such as the Style 3463 FireFox.

3293 FireFox Electric Nozzle

- 1 1/2" swivel inlet for flows up to 350 gpm
- 2 1/2" swivel inlet for flows 350 to 500 gpm
- Spinning teeth
- Optional flat disperse pattern - Must specify
- Optional add-on foam tubes - See page 35
- Adjustable Flow Options:
 - 30-60-95-125 gpm (115-230-360-475 lpm) with electric flush
 - 125-175- 250-350 gpm (475-660-950-1325 lpm) without electric flush
 - 350-400-450-500 gpm (1325-1525-1700-1800 lpm optional 500, 1000, 1500, 2000 LPM) without electric flush
- Fixed Flow Options: (Must specify flow rate)
 - 15 to 200 gpm (60 to 750 lpm) with electric flush
 - 225 to 500 gpm (850 to 1900 lpm) without electric flush



Style 3293

Size	Flow Gpm	Length	Weight lbs. (kg)
1 1/2" (38 mm)	15-125	7" (17.8 mm)	5 (2.3 kg)
1 1/2" (38 mm)	125-350	7 3/7" (187 mm)	7.2 (3.4 kg)
2 1/2" (65 mm)	350-500	7 3/7" (187 mm)	7.5 (3.4 kg)

Black Widow®

- Single fixed flows

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
2151	Brass	Manual	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	25 (11.3 kg)
2152	Pyrolite	Manual	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	9 (4.1 kg)
2155	Pyrolite	Hydraulic	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	9 (4.1 kg)
2156	Brass	Hydraulic	300-1250*	1140-4700*	2 1/2" (65 mm)	Spinning	8 1/2" (216 mm)	29 (13.2 kg)

* Specify flow in 50 gpm (190 lpm) increments. Specify pressure from 70-100 psi (4.9-7 bar) in 10 psi (.7 bar) increments



Style 2151



Style 2156

Single Gallonage Master Stream

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
2171	Brass	Manual	500-2000*	3800-7600*	3 1/2" (89 mm)	None	12" (305 mm)	36 (16.3 kg)

* Specify flow in 100 gpm (380 lpm) increments. Specify pressure from 70-100 psi (4.9-7 bar) in 10 psi (.35 bar) increments



Style 2171



Akromatic 1000

This hydraulically actuated nozzle is designed for flows from 350-1000 gpm (1325-3800 lpm) At 100 psi (7 bar) operating pressure.

Style	Material	Pattern Control	Flow		Inlet	Teeth	Length	Weight lbs. (kg)
			GPM	LPM				
5051	Brass	Manual	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	26 (11.8 kg)
5055	Pyrolite	Hydraulic	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	9 1/4" (4.2 kg)
5056	Brass	Hydraulic	350-1000	1325-3800	2 1/2" (65 mm)	Spinning	9 3/4" (248 mm)	30 1/2" (13.8 kg)



Style 5055



Municipal Electric Monitors

Forestry Monitor 300 GPM (1140 LPM)

The 3462 provides an extremely rugged durable design ideal for brush and wildland firefighting. This compact monitor features a fully sealed integrated electrical control system with waterproof locking connectors for all motors, power and control connections to withstand harsh environments. The high speed motors provide proportional speed control for pinpoint stream positioning and accuracy. With a wide range of available nozzles, the 3462 is ideal for use in water, foam and CAFS applications.

Standard Features:

- CAN proportional speed joystick control
- Lightweight Pyrolite® construction, 23 lbs. without nozzle
- Integrated and sealed electronics
- Waterproof (IP 67 rated) locking connectors
- Simple "plug and play" installation
- 320° maximum rotation range with stops at +/- 90°
- 135° maximum elevation range with stops at +45° and -20°
- 12V or 24V (Must Specify)

Nozzle Options:

- Style 3293 low flow adjustable electric fog nozzle with flush 30-60-95-125 gpm (115-230-360-475 lpm)
- Style 3293 mid flow adjustable electric fog nozzle 125-175-250-300 gpm (475-660-950-1140 lpm)
- Style 3293 fixed orifice fog nozzles (must specify flow and pressure)
- Quick Attack™ foam tube attachments for Style 3293 fog nozzles
- Smooth bore tips

Additional Options:

- 2" quick disconnect
- Wireless remote control (CAN interface)
- 2" electric valve
- Flat disperse fog pattern available on all Style 3293 nozzles



Style 3462
Shown with 3293
125-300 gpm Nozzle



Style 6035
CAN Joystick



Wireless Remote
Control Available



Style 6037
CAN Wireless
Interface



"Plug and play" connectors



2" Quick-Disconnect,
Ideal for Cab
Forward Trucks

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3462	23** (10.4 kg)	13 3/16"* (335 mm)	11 9/16" (294 mm)	8 29/32" (226 mm)	2" NPT (50 mm)	1 1/2" (38 mm)	300	1140

* Base to center of outlet

** Not including nozzle





Ultra High Pressure 300 GPM (1140 LPM)

Akron Brass continues to lead in the forefront of firefighting technology with the introduction of the Ultra High Pressure line of products. This line of product is designed to operate at pressures up to 1500 psi and deliver ultra-fine water droplets at high velocity for increased heat absorption and rapid fire extinguishment. This technology enhances your firefighting capabilities by rapidly reducing the temperatures within an enclosed area, increases your positive pressure ventilation capacity, and dramatically reduces personnel fatigue while using two-thirds less water.

3450 Ultra High Pressure Bumper Monitor

In the new arena of ultra high pressure fire fighting, Akron Brass is introducing its Ultra High Pressure Bumper Monitor. This Monitor is capable of delivering up to 300 GPM at 1500 psi.

- Durable stainless steel & brass construction
- Flows up to 300 GPM at pressures up to 1500 psi
- Vertical Travel: +70° & -30°
- Horizontal Travel: 180°
- 12V & 24V (Must Specify)
- Position Feedback (Rotation only)
- Uses Universal II Monitor Control System, See page 54 & 55



Style 3450 Shown with Style 3292 Ultra High Pressure Nozzle

Nozzle Options:



Style 3292 Ultra High Pressure Nozzle Available for 60 gpm @ 1100 psi or 300 gpm @ 1250 psi



Style 1417 Plain Tip w/ Style 3485 1 1/2" Mini Shaper

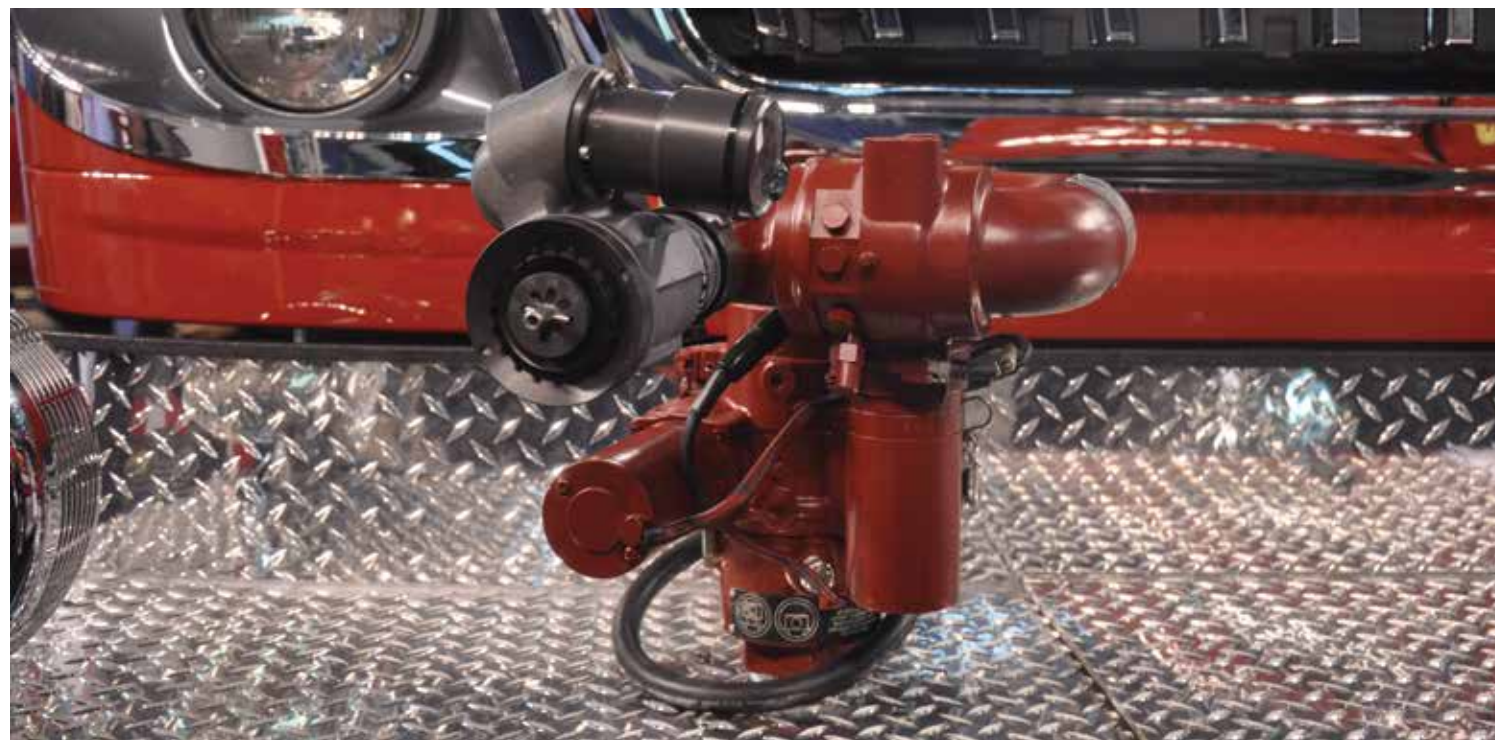


Wireless Remote Control Available

Style	Weight lbs. (kg)	Height	Width	Inlet	Depth	Outlet	Flow	
							GPM	LPM
3450	61** (28 kg)	11 5/32"* (287 mm)	14 5/8"* (372 mm)	2" NPT (50 mm)	13 5/32" (335 mm)	1 1/2" (38 mm)	300	1140

* From bottom of elevation motor to top of elevation gearbox

** Not including nozzle





Municipal Electric Monitors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

FireFox Multi-Purpose Monitor 500 GPM (1900 LPM)

The FireFox Electric Monitor from Akron® is a technologically advanced remote controlled monitor with flows up to 500 gpm (1900 lpm). The FireFox Monitor is designed to meet various water, foam, CAFS, and dry chemical needs. This versatile monitor can be used for wildland firefighting, mini pumpers, crash truck turrets, deicing, fixed site facilities, arena protection and many other unique applications.



Adjustable Flows Available
See page 39 for nozzle specs

3463 FireFox Electric Monitor

- 320° horizontal travel with adjustable stops at +/- 90°
- 135° vertical travel (+90° to -45°) with adjustable stops at +45° and -20°

Monitor Options: (Must specify)

- Automatic Oscillation & Stow
- Remote 2" or 2 1/2" Electric Valve
- 12 or 24 volt (Must specify)
- 2" Quick disconnect
- Position feedback - Optional

Nozzle Options:

- See page 193 for Monitor/Fog Nozzle Compatibility Chart
- Adjustable or Single Fixed Flow Baffle up to 500 gpm (1900 lpm)
- Dry Chemical Nozzle - Optional
- Foam Tubes - Optional (See page 35)
- Smooth bore tip with mini shaper

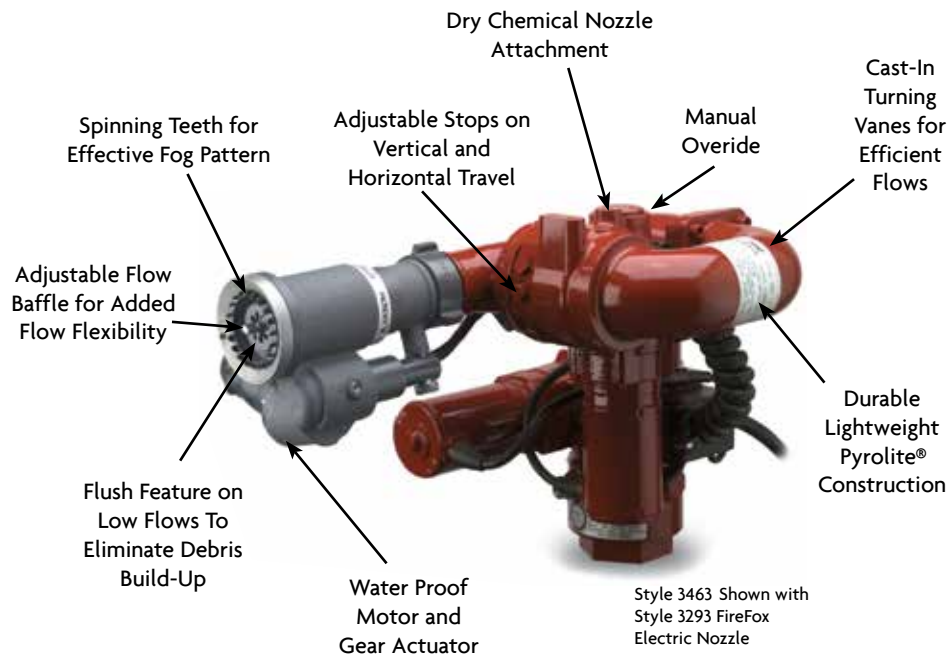
NOTE: All FireFox Fog Nozzles are available with optional flat dispersed pattern

3293 Nozzle Options

Flow	GPM	30	60	95	125
	Low Flow	LPM	115	230	360
Medium Flow	GPM	125	175	250	350
	LPM	475	660	950	1325
High Flow	GPM	350	400	450	500
	LPM	1325	1525	1700	1900



2" Quick-Disconnect,
Ideal for Cab
Forward Trucks



FireFox available with position feedback for Position Indicator option



Wireless Remote Control Available

Style	Weight lbs. (kg)	Stow Position			Inlet	Outlet	Flow	
		Height	Width	Depth			GPM	LPM
3463	25 (11.3 kg)*	11 3/4" (298 mm)	11" (279 mm)	11 1/2" (292 mm)	2" or 2 1/2" NPT (50 or 65 mm) 1 1/2" or 3" FL (38 or 75 mm)	1 1/2" or 2 1/2" NH (38 or 65 mm)	500	1900

* Less nozzle



Severe-Duty Monitor 750 GPM (2900 LPM)

The Severe-Duty, multi-purpose monitor is designed to withstand continuous operation while mounted on heavy-duty equipment like off-road fire, construction, mining, or landfill vehicles. Dusty, dirty, outdoor, and continuous vibration applications are what this Akron Brass severe-duty monitor is designed to survive. Excellent for fixed site non-classified wash down or fire protection.

3491 Severe-Duty Electric Monitor

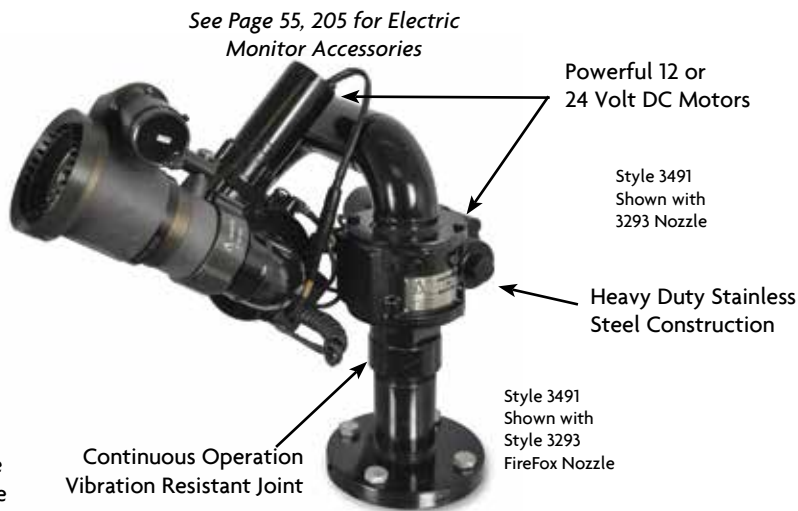
- 12 or 24 volt motor
- Stainless Construction
- 320° Rotation
- 155° Elevation (+90°, -65°)
- Fast travel, 20°/sec
- Pressures up to 200 psi
- 2 1/2" Waterway (65 mm)
- Reaches 200' at 750 gpm
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Control Options:

- Joystick Control
- Toggle Switch Control
- Wireless



Wireless Remote Control Available



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3491	57 (25.6 kg)*	** 13 5/8" (346 mm)	14 3/16" (360 mm)	14 1/2" (368 mm)	2 1/2" NPT (65 mm) 3" FL (75 mm)	2 1/2" NH (65 mm)	750	2900

* Less nozzle

** 2.5 SNPT Inlet

Gemini Monitor 1000 GPM (3800 LPM)

The Gemini Monitor is of Pyrolite® construction with a compact split waterway designed with cast-in turning vanes. Providing high performance and exceptional durability.

3479 Electric Gemini Monitor

- 135° vertical travel and 348° horizontal travel, both with adjustable stops
- Manual override
- 12 or 24 volt (24 volt version CE approved - Must specify)
- Wireless remote control available
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3479	46* (20.8 kg)	20" (508 mm)	13 1/4" (336 mm)	10 3/16" (259 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800

* Less nozzle



Ladder Pipes 1000 GPM (3800 LPM)

The Akron® Electric Ladder Pipe offers a lightweight, compact design for unpiped ladder trucks.

1494 Electric Ladder Pipe

- Remote operation eliminates manual maneuvering of both the ladder pipe and nozzle
- 135° vertical travel with adjustable stops
- Elevation 90° above to 45° below horizontal
- Manual override
- Adjustable mounting clamps standard for round rung ladders, square clamps optional

Monitor Options - Must Specify:

- 12 or 24 volt (24 volt version CE approved)
- 100' cord reel with cord grip and guides
- Wireless remote control available
- 14950007 Mounting fixture

See page 55, 205 for Electric Monitor Accessories



Wireless Remote Control Available



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
1494	30 (13.6 kg)*	36 7/8" (937 mm)	10 31/32" (279 mm)	13 1/32" (331 mm)	2 1/2" or 3" NH (65 or 75 mm)	2 1/2" (65 mm)	1000	3800

* Less Nozzle



Municipal Electric Monitors

Apollo™ Electric Monitor 1250 GPM (4800 LPM)

The Style 3418 provides a cost effective, fixed mount electric deck monitor solution with flows up to 1250 gpm (4800 lpm), integrated CAN based control system with fully sealed IP 67 rated connectors, and built-in wireless control capability. The Style 3418 has 355 degrees of horizontal travel and can be programmed to oscillate anywhere over the entire range. The Apollo Electric can be paired with the industry standard Style 5177 Akromatic 1250 fog nozzle, the unique Style 1577 SaberMaster combination smooth bore and fog nozzle, as well as standard stacked tip sets or master stream foam tubes. The combination of innovation and versatility makes the Apollo Electric monitor an excellent choice for an entry level remote control fire monitor.

3418 Apollo™ Electric Monitor

- Lightweight Pyrolite construction
- Simple “plug and play” installation
- Integrated wireless compatibility, Utilizing the optional 3600 hand held remote control
- Waterproof (IP 67 rated) control system with locking connectors
- Rotation Range 355°
- Elevation Range +75°, +35° (-20° optional)
- 12V or 24V operation
- Compatible with 3406 Electric Riser

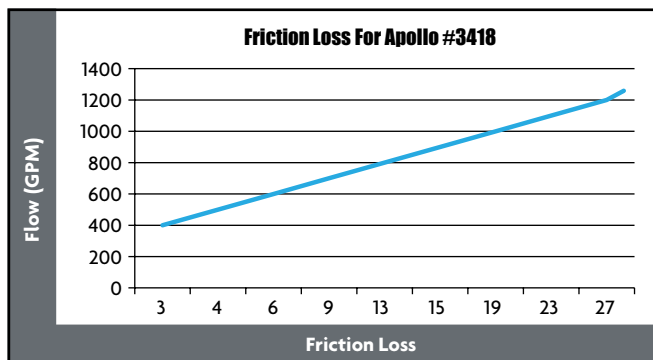


Style 3418
Shown with 5177 Nozzle

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3418	35 (16 kg)*	13 3/16" (381 mm)	11 5/8" (335 mm)	14 7/16" (368 mm)	3" Flange (DN80)	2 1/2" Male (65 mm)	1250	4800

* Less nozzle

Nozzle Options:



CAN Control Options Style 3480 & 3418



See page 55, 205 for Electric Monitor Accessories



The Apollo™ PE can be truck mounted and used as a portable monitor. See page 58.



Municipal Electric Monitors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

DeckMaster Monitor 1250 GPM (4800 LPM)

The DeckMaster Monitor is a technologically advanced, electrically controlled deck monitor with automated elevating capability. The unique design of the DeckMaster Monitor allows electric elevation and positioning 26" above the base of the flange for operation over obstructions with the push of a switch.

3440 DeckMaster Electric Monitor

- 340° horizontal rotation with adjustable stops
- Vertical travel 90° above to 45° below horizontal
- Manual override for horizontal, vertical and elevation control
- Stow position set easily by the end user
- Automatic drain for freeze protection
- Diagnostic light for trouble-shooting
- Connection for deployed indicator light
- Available in 12 or 24 volt (Must specify)
- Optional position feedback (Must specify)
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Style 3440 Shown in a typical stowed position

Style 3440 Shown deployed with Style 1577 SaberMaster™ Nozzle



See page 55, 205 for Electric Monitor Accessories

Style	Weight lbs. (kg)	In Stowed Position			Inlet	Outlet	Flow	
		Height	Width	Depth			GPM	LPM
3440	55 (25 kg)*	14 1/2" (368 mm)	16 3/4" (425 mm)	17" (431 mm)	3" FL (75 mm)	2 1/2" NH (65 mm)	1250	4800

* Less Nozzle



Wireless Remote Control Available



Combine with the Style 1577 SaberMaster nozzle to meet new NFPA 1901 recommendations to use remote control monitors for safe deck gun operations.

Remote DeckMaster operation eliminates the need to have a firefighter on the deck to operate the monitor.



DeckMaster available with position feedback and position indicator option

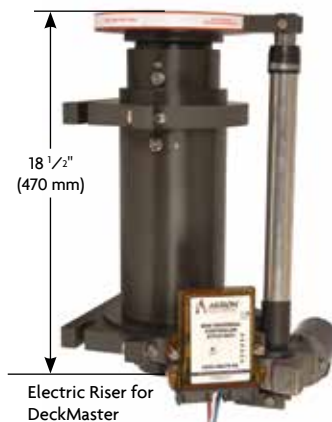


Electric Riser

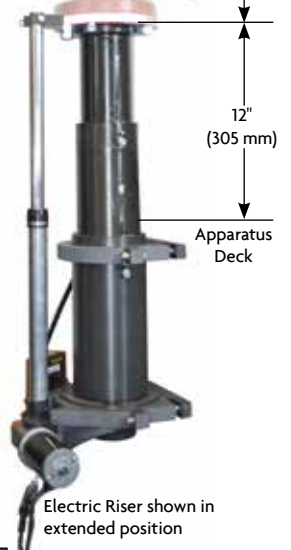
Overcome increased heights of apparatus bodies, raised roof cabs, and other obstacles with the electric riser. It enables an added 12 inches (305 mm) of extension and is the perfect complement to the already superior versatility of the DeckMaster, StreamMaster and other compatible monitors.

3406 Electric Riser For DeckMaster & StreamMaster

- 3" waterway
- 12" extension
- With unique three-piece design, the extremely compact device is only 18 1/2" (470 mm) when nested
- Can be utilized within pump modules that have limited space
- Electrically actuated (12 or 24 volt - Must specify)
- Durable lightweight Pyrolite® construction
- Manual override
- 5 year warranty
- Inlet option: 3" (75 mm) vicialic or NPT (Must specify)
- Outlet options 3" (75 mm) or 4" (100 mm) flange (Must specify)



Electric Riser for DeckMaster



Electric Riser shown in extended position

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3406	38 (17.3 kg)	18 1/2 (470 mm)	11 11/16" (297 mm)	12" (305 mm)	3" (75 mm) NPT or VIC	3" or 4" FL (75 mm or 100 mm)	1250* 1500**	4800* 5700**

* For 3440 **For 3578



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WOOSTER



**STREAM
MASTER**



StreamMaster II Monitor 1500 GPM (5700 LPM)



With its patented design, the Style 3482 provides efficient flows up to 1500 gpm (5700 lpm) in a compact configuration. The unique waterway design provides balanced forces on the outlet and reduced friction resulting in exceptional stream performance. The standard absolute position sensors provide advanced features like programmable obstacle avoidance, oscillation, and stow/deploy positions. The onboard, fully sealed IP 67 CAN control system features "plug and play" installation with built-in wireless capability and a USB port for quick software updates in the field. The 355 degree rotation and 165 degree elevation range can be configured for deck or aerial applications making this high performance compact monitor truly universal.



Style 3482
Shown with 5177 Nozzle

3482 StreamMaster II Monitor

- Compact industry leading operating envelope (6", 152 mm)
- Lightweight Pyrolite construction
- Simple "plug and play" installation
- Integrated wireless compatibility, utilizing the optional 3600 hand held remote control
- Waterproof (IP 67 rated) control system with locking connectors
- User programmable obstacle avoidance
- User programmable stow and deploy positions
- Superior range of motion
 - Rotation Range 355°
 - Elevation Range +120°, - 45°
- 12V or 24V operation
- Compatible with 3406 Electric Riser
- Ladder avoidance mode - Optional

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3482	38.2 (17.3 kg)*	15" (381 mm)	11 5/8" (295 mm)	12 1/2" (318 mm)	3" Flange (DN80)	2 1/2" Male (65 mm)	1500	7500

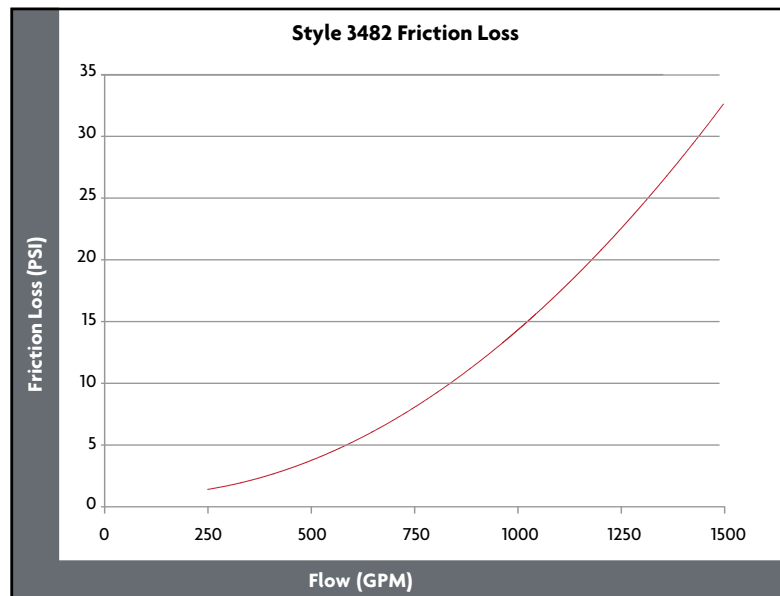
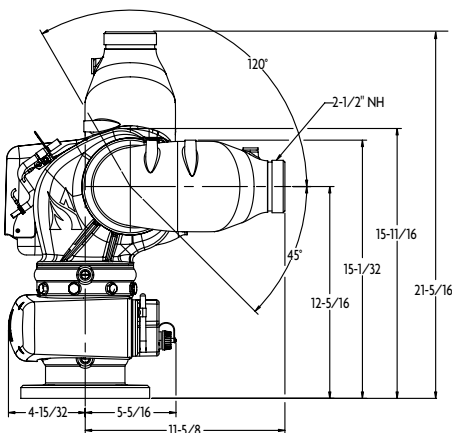
* Less nozzle

Nozzle Options:



Style 2499 Style 2498 Style 3485 Mini Shaper Style 1577 SaberMaster Nozzle Style 5177 Akromatic 1250 Nozzle Style 5176 Excel™ 1000 Style 4040 Akrochem Nozzle

See page 55, 205
for Electric
Monitor Accessories





Municipal Electric Monitors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

StreamMaster II Monitor 2000 GPM (7600 LPM) NEW

With its patented design, the Style 3480 provides efficient flows up to 2000 gpm (7600 lpm) in a compact configuration. The unique waterway design provides balanced forces on the outlet and reduced friction resulting in exceptional stream performance. The standard absolute position sensors provide advanced features like programmable obstacle avoidance, oscillation, and stow/deploy positions. The onboard, fully sealed IP 67 CAN control system features “plug and play” installation with built-in wireless capability and a USB port for quick software updates in the field. The 355 degree rotation and 165 degree elevation range can be configured for deck or aerial applications making this high performance compact monitor truly universal.



Style 3480
Shown with 5177 Nozzle

3480

StreamMaster II Monitor

- Compact industry leading operating envelope (6", 152 mm)
- Lightweight Pyrolite construction
- Simple “plug and play” installation
- Integrated wireless compatibility, Utilizing the optional 3600 hand held remote control
- Waterproof (IP 67 rated) control system with locking connectors
- User Programmable Obstacle Avoidance
- User Programmable stow and deploy positions
- Superior Range of Motion
 - Rotation Range 355°
 - Elevation Range +120°, - 45°
- 12V or 24V operation
- Compatible with 3406 Electric Riser
- Ladder avoidance mode - Optional

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3480	40.7 (18.5 kg)*	15" (381 mm)	11 5/8" (295 mm)	12 1/2" (318 mm)	4" Flange (DNI100)	3 1/2" Male (89 mm)	2000	7600

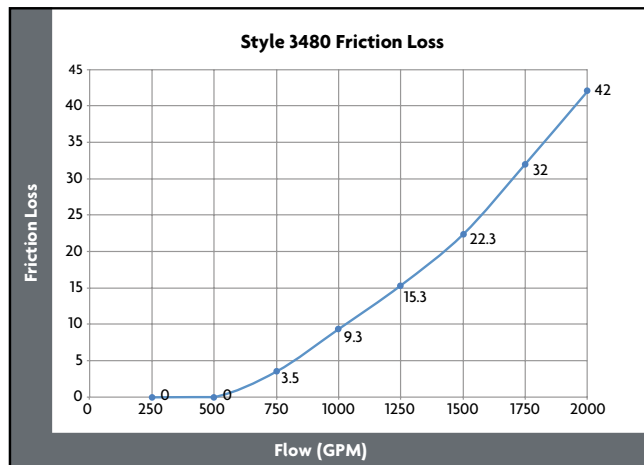
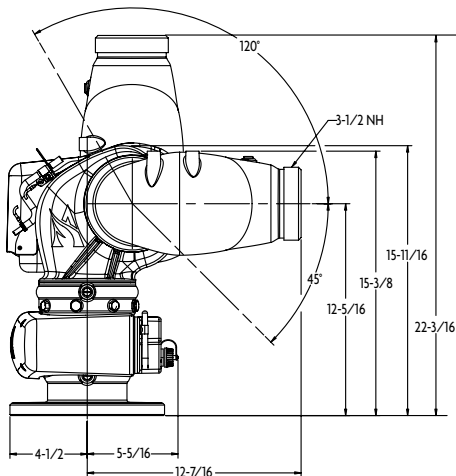
* Less nozzle

Nozzle Options:



Style 3499 Style 2499 Style 2498 Style 3485 Mini Shaper Style 1577 SaberMaster Nozzle Style 5178 Akromatic 2000 Nozzle Style 5177 Akromatic 1250 Nozzle Style 5176 Excel™ 1000 Style 4040, 4042 Akrochem Nozzle

See page 55, 205 for Electric Monitor Accessories





StreamMaster Monitor 2000 GPM (7600 LPM)

The StreamMaster Monitor has uniquely designed, low profile 4" waterway with cast-in turning vanes. When coupled with an 80 psi nozzle, the pump can operate at lower pressures for flows up to 2000 gpm (7600 lpm).

3578 StreamMaster Electric Monitor

- One touch stow option - Must specify
- 348° horizontal and 135° vertical travel, both with adjustable stops
- Manual override
- 12 or 24 volt - Must specify
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Style 3578
Shown with Style 5178
Akromatic® 2000 Master
Stream Nozzle

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3578	45 (20.5 kg)	16 1/4" (412 mm)	12 1/4" (311 mm)	15 11/32" (390 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600

See Page 55, 205 for Electric Monitor Accessories



Wireless Remote Control Available



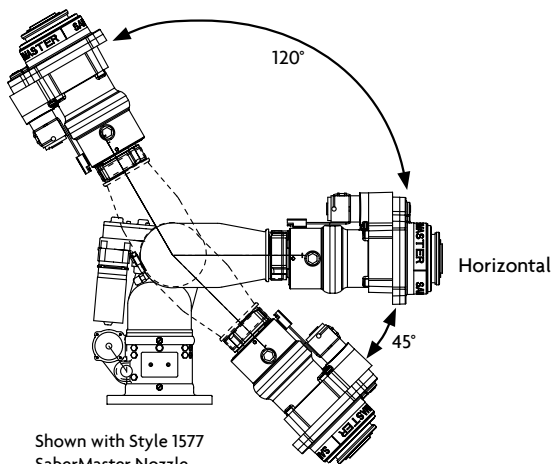
StreamMaster available with position feedback for Position Indicator option

StreamMaster™ XT 2000 GPM (7600 LPM)

The same superior features of the StreamMaster *plus* extended vertical travel. The extended travel outlet on the StreamMaster XT provides for 30° increase in vertical range, enabling the ladder to be placed below the fire floor and deliver a stream into the involved area, keeping personnel and equipment in a safer position.

3598 StreamMaster XT

- Vertical travel 45° below and 120° above horizontal
- More efficient gearing increases torque, reducing amp draw
- Reinforced outlet elbow casting
- Improved waterway efficiency
- One touch stow option - Must specify
- 348° horizontal and 165° vertical travel, both with adjustable stops
- Manual override
- 12 or 24 volt - Must specify
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Shown with Style 1577
SaberMaster Nozzle



Style 3598
Shown with Style 5178
Akromatic Nozzle



Wireless Remote Control Available

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3598	45 (20.4 kg)	16 5/8" (422 mm)	12 1/4" (311 mm)	16 3/8" (416 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600

See Page 55, 205 for Electric Monitor Accessories



Municipal Electric Monitors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Trident HFRT-10 High Flow Monitor 2650 GPM (10,000 LPM)

The Trident HFRT-10 High Flow Firefighting Monitor is the pinnacle water delivery system for fire fighting in the world. This monitor is a culmination of years of industry leading experience and unmatched engineering that has resulted in superior performance and reliability. The Trident's revolutionary look and high tech functionality will deliver up to 2650 GPM (10,000 LPM) of water and/or foam solutions in excess of 395 feet (120 meters), rotates 355° horizontally, and exceeds all your expectations.

3356 Trident HFRT-10

- Manual handwheel override
- Flow: 350-2650 GPM (1325-10,000 LPM)
- Horizontal rotation up to 355°
- Vertical travel from +70° & -30°
- Outlet: 3.5" NH (89mm)**
- Position feedback
- 12V & 24V
- Compatible with Electric MasterStream Nozzles

Inlet Options:

- Bottom 4" Flange 150 lb (DN 100)
- Rear 4" Flange 150 lb (DN 100)
- Rear 4" and 5" Victaulic Flange (100mm and 125mm)

Options:

- Style 2489 solid bore tip with 395 feet (120 m) reach capability
- Style 3624 1700 GPM at 230 PSI Foam Tube with Reach up to 305 feet (93 m)
- Style 5178 Akromatic 2000 GPM Fog nozzle with 300 feet (91 m) reach capability
- Variable Speed Joystick
- Wireless Remote Control
- Dry Chemical Piggy Back
- Inside Cab Manual Overrides with 6' Cable
- Integrated Dual Flow Fog Nozzles and Foam Tubes



Style 3356
Trident Standard Outlet Shown
with STYLE 2489 Smooth Bore
and 3485 Stream Shaper

3356 High Flow Monitor Friction Loss: (Monitor only)

Flow	PSI (bar)
750 GPM (3000 LPM)	4 (.28)
1000 GPM (3800 LPM)	6 (.41)
1500 GPM (6000 LPM)	17 (1.2)
2000 GPM (7600 LPM)	29 (2)
2650 GPM (10,000 LPM)	51 (3.5)



Style 3356
Trident Standard Outlet Shown
with STYLE 5178 Akromatic™
2000 Nozzle



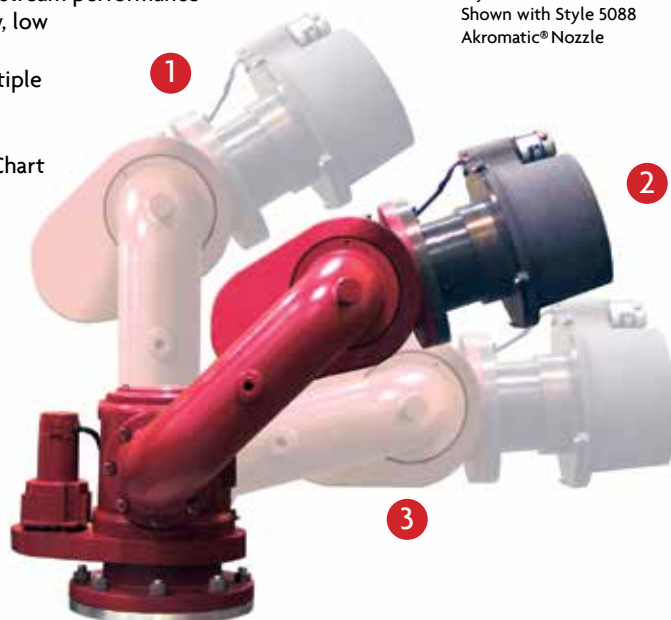
Renegade Electric Monitor 5000 GPM (19,000 LPM)

The Renegade electric monitor is a large flow master stream appliance designed specifically for industrial pumpers, aerials, or fixed site applications. This unique monitor combines an all-electric control package with a compact design to provide superior performance and easy installation.

3580 Renegade Electric Monitor

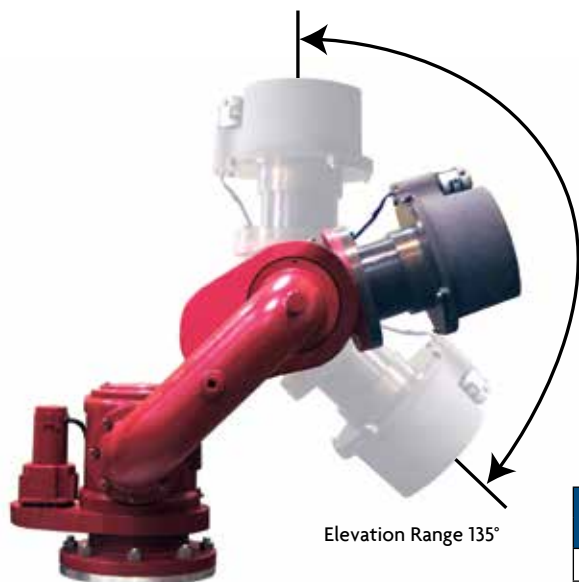
- Lightweight Pyrolite® construction less than 200 lbs. including the nozzle
- Low friction loss only 27 psi at 5000 gpm
- Nozzles incorporate new stream shaper for improved stream performance
- Advanced features: position feedback, automatic stow, low current draw and more
- Additional features: manual overrides, drain port, multiple outlet positions and more
- Position Indicator - Optional, Must specify
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Style 3580
Shown with Style 5088
Akromatic® Nozzle



Three middle elbow mounting positions (Must Specify)

- ① 90° - Aerial Applications
- ② 45° - Pumper Applications
- ③ 22 1/2° - Pumper Applications (With Height Restriction)



Elevation Range 135°

Available Nozzles	Type	Flow		PSI (bar)
		GPM	LPM	
5088	Automatic	1000-5000	3800-19000	80 (5.5 bar)
2188	Fixed	1000-5000	3800-19000	80 (5.5 bar)
2189	Adjustable	1000, 2000, 3000, 5000	3800, 7600, 19000	80 (5.5 bar)



Position Indicator

See Page 55, 205 for Electric Monitor Accessories



Wireless Remote Control Available

Style	Weight lbs. (kg)	Inlet	Outlet	Flow	
				GPM	LPM
3580	150 (68 kg)*	8" FL (200 mm)	6" FL & Storz (150 mm)	5000	19000

* Less nozzle

Renegade Cube Dimensions			
Middle Elbow Angle	22.5°	45°	90°
Dimensions (LxWxH)*	33 3/16"x28"x22" (843x711x559 mm)	29 5/16"x28"x28" (245x711x711 mm)	16 11/16"x28"x33" (424x711x838 mm)
Dimensions (LxWxH) w/ nozzle*	49 11/16"x28"x22" (1262x711x559 mm)	42 13/16"x28"x28" (1088x711x711 mm)	30"x28"x33" (767x711x838 mm)

* 6" flange outlet



Municipal Electric Monitors

Universal II Monitor Control System



The Universal II Monitor Control System is the highest performing most technologically advanced monitor control system! The Universal II Control System is an intelligent embedded controller compatible with both CAN and V-MUX® multiplexed networks simplifying installation while greatly expanding user configurable options and interfaces. This system's unique design empowers you to configure your monitor system giving you simplified and total control.

- “Plug and Play” for simplified installation
- V-MUX & CAN (J1939) Compatible
- Field Upgradeable Software
- Modular Design for Simplified Maintenance
- Onboard Diagnostic Capabilities
- Real Time Monitor Position Feedback *
- Proportional Speed Controls
- IP67 Rated Enclosure for Water & Corrosion Resistance

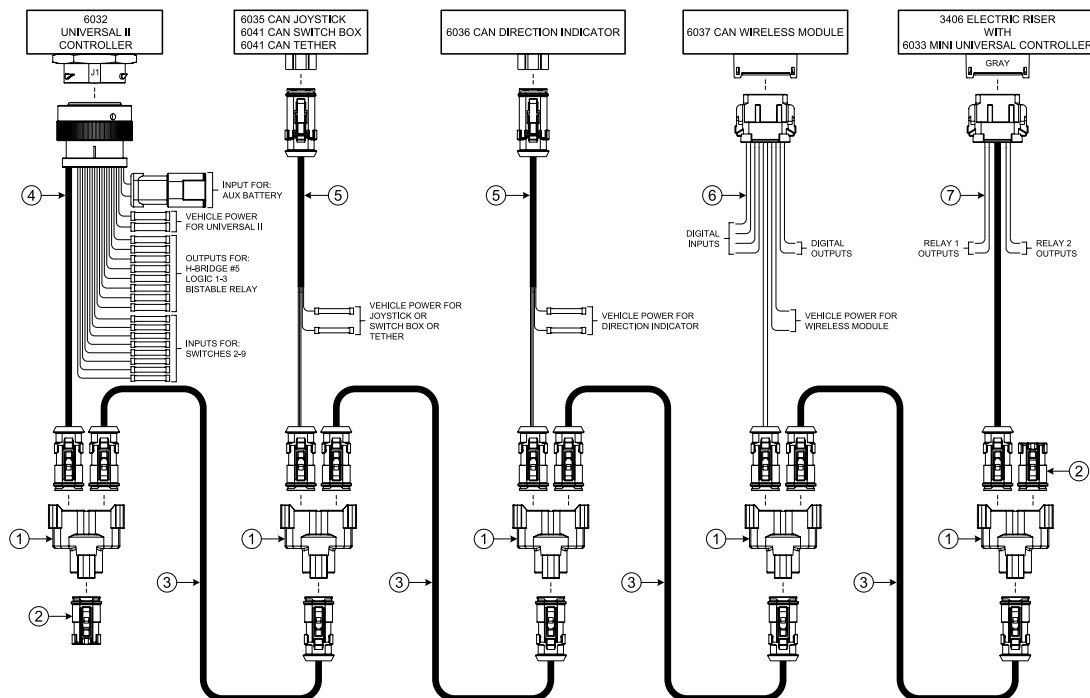
Style 6032
Universal II
Logic Box



* Optional - Must specify

HARNESSES FOR CONNECTING UNIVERSAL II CONTROLLER TO CAN DEVICES

Item	Description	Length	Part Number
1	Receptacle Connector – CAN “Y” Adapter (Deutsch #DT04-3P-P007). Connects together two CAN Network Harnesses and one CAN Stub Harness.		758306
2	Plug Connector – CAN 120Ω Terminator (Deutsch #DT06-3S-PP01). Two are required per system and plug into the CAN “Y” Adapters at each end of the CAN network.		742205
3	CAN Network Harness – Extends the CAN network to a CAN node device (an operator station for example). Connects between two CAN “Y” Adapters.	½ ft. (0.15 m) 2 ft. (0.61 m) 3 ft. (0.91 m) 5 ft. (1.52 m) 10 ft. (3.05 m) 20 ft. (6.10 m) 30 ft. (9.14 m) 40 ft. (12.19 m)	721569 721667 721572 721573 721574 721570 721665 721575
4	CAN Stub Harness – Connects the CAN network to the 6032 Universal II Controller	3 ft. (0.91 m)	721582
5	CAN Stub Harness – Connects the CAN network to a 6035 Joystick, 6041 Switch Box or 6036 Direction Indicator. Includes power and ground wires for connecting power to the control devices.	3 ft. (0.91 m) 10 ft. (3.05 m)	721579 721677
6	CAN Stub Harness – Connects the CAN network to a 6037 CAN Wireless Module. Includes power and ground wires for connecting power to the module. Also includes four wires for switch inputs and two wires for digital outputs.	3 ft. (0.91 m)	721580
7	CAN Stub Harness – Connects the CAN network to a 3406 Electric Riser via the 6033 Mini Universal Controller. Includes four wires for the Extend and Retract Relay contacts.	3 ft. (0.91 m)	721594





Standard Controls

Style 6035
CAN Proportional
Joystick



60410023



60410008

Universal II Electric Monitor Optional Accessories

Switch Interface
Transmitter
(SIT) Module
36000004



Style 6037
CAN Wireless
Receiver Interface



WRC - Hand
Held Controller
36000002



60412001
CAN Teather



60510005 Panel Mount
Interface for use with
60412001



Style 6036
CAN Direction
Indicator



6035 ARFF CAN
Joystick



60410022
OEM Interface
Module



6510002
CAN Gateway
Module



60510006
CAN Repeater



60411005



60410016



60410012



60411003



60410014



60411000



Municipal Portable Monitors

Ozzie™ 911 Oscillating Monitor 350 GPM (1325 LPM)

The Akron® Ozzie 911 Oscillating Monitor has a powerful sweeping water stream for high performance attack and protection. Its unique water driven motor sweeps the outlet back and forth in a smooth, wave-like motion to provide cooling and protection while unmanned. The Ozzie Oscillating Monitor operates by itself to provide greater flexibility by protecting exposures while personnel work elsewhere. The Ozzie 911 Oscillating Monitor is suited for haz-mat situations, protecting exposures, and attacking fires.

911 Ozzie Oscillating Monitor

- Adjustable sweeping range 30° either side of center
- Vertical travel from 35° to 90° above horizontal
- On/Off knob can stop oscillation at any point
- Built-in pressure gauge
- See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
911	29* (13 kg)	13 3/8" (340 mm)	23 3/4" (603 mm)	19 1/4" (490 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	350	1325

* Less nozzle



Style 911
Shown with Turbojet® Tip
(Optional Tips: Assault™
4824/4827)

Mercury Quick Attack Monitor 500 GPM (1900 LPM)

The Mercury Monitors are smaller than any other portable ground monitor so they can be quickly set up and left unmanned at the fire scene to free up valuable personnel.

3443 Mercury Quick Attack Monitor

- Compact size & weight
- Rated flows up To 500 gpm (1900 lpm)
- Quick deployment
- Better ground stability
- Unmanned use
- Rotation ± 20°
- Elevation 30° to 60° unmanned, and down to 20° when manned

Options:

- Storage Bracket
- Stacked Tips Style 2420
- Deluge Tip Style 489
- SaberMaster Nozzle 1545
- Mercury Nozzles Style 4445, 4447



Style 3443 Shown with
Style 4445 Nozzle



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3443	14 † (6.4 kg)	9 5/8" (245 mm)	23 1/8" (588 mm)* 7 15/16" (199 mm)**	14 9/16" (370 mm)*	2 1/2" F (65 mm) 2 1/2" or 3" Storz (65 or 75 mm)	2 1/2" (65 mm)	500	1900

* Deployed Legs

** Folded Legs

† Less Nozzle



MercuryMaster 1000™ 1000 GPM (3800 LPM)

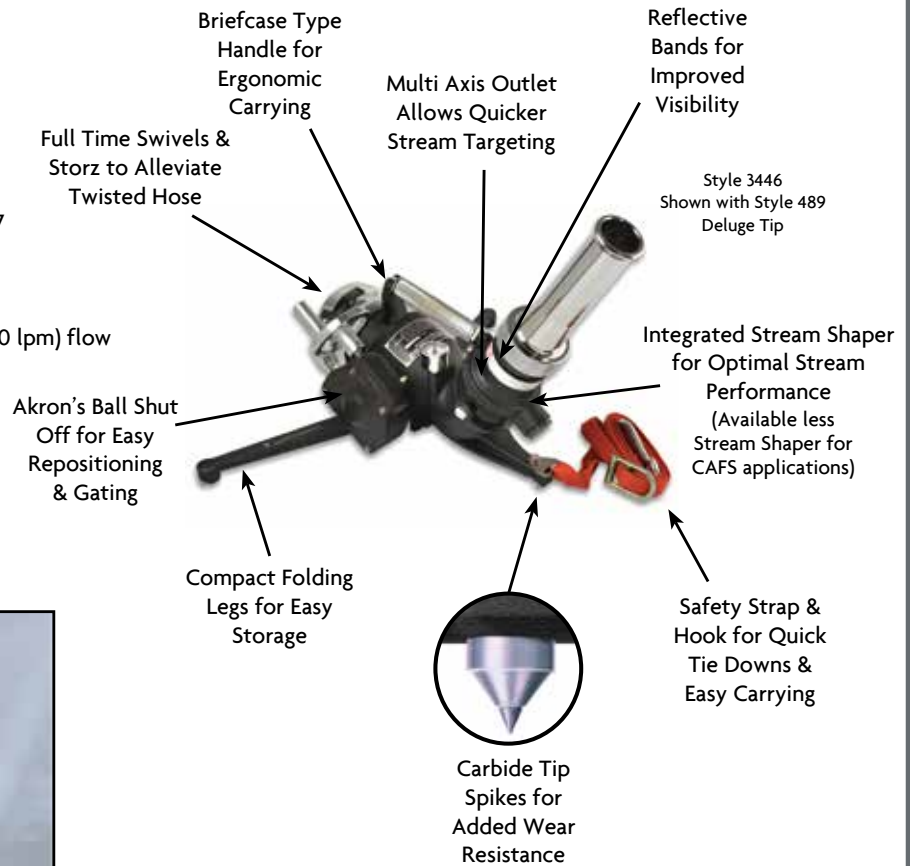
The MercuryMaster 1000 is the smallest and lightest of all 1000 gpm monitors in the firefighting industry. This monitor will save valuable time at the fire scene with quick deployment and conserves precious space on the fire truck with its compact size.

3446 MercuryMaster 1000™

- Rated flow up to 1000 gpm (3800 lpm)
- Compact size & weight
- Rotation ± 20°
- Elevation 30° to 60°
- Unmanned use
- Excellent ground stability
- Low friction loss
- Pressure gauge

Options:

- Storage Bracket
- Triple Stacked Tips Style 2498
- Adjustable Flow Nozzle Style 5147
- Automatic Nozzle Style 5150
- Deluge Tip Style 489
- Oscillating Nozzle Style 5148
 - ◊ 800 or 1000 gpm (3030 or 3800 lpm) flow
 - ◊ ± 20 degree oscillation range
 - ◊ On/Off selector



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3446 Single	24 (10.8 kg)	11 1/16" (281 mm)	25"* (635 mm) 10 1/8"** (257 mm)	16 3/16"* (410 mm)	3 1/2 - 5" F (89-125 mm) 4", 5" Storz (100, 125 mm)	2 1/2" (65 mm)	1000	3800
3446 Dual	24 (10.8 kg)	11 1/16" (281 mm)	25"* (635 mm) 12 1/2"** (318 mm)	21 5/16" (541 mm) 22 7/16" (570 mm) BIM 21 13/16" (554 mm) STORZ	2 1/2 or 3" F (65 or 75 mm)	2 1/2" (65 mm)	1000	3800

*Deployed Legs

** Folded Legs



Municipal Portable and Truck Monitors

Apollo PE™ Monitor 1250 GPM (4800 LPM)

The Style 3419 Apollo PE (Portable Electric) has flow capabilities of 1250 gpm (4800 lpm) with a self-contained battery and electronic control system. The Apollo PE offers motorized rotation, elevation, and nozzle pattern control. Programmable oscillation from 0-180 degrees in portable mode, 0-355 degrees in truck mode and RF wireless remote control are key features that allow for operation from safe distances using less manpower in fire or Haz-Mat situations. This robust monitor also features a smart ground mode configuration system which automatically positions the monitor for ground base installation. A quick change battery system allows for extended run times and is compatible with 12 or 24 volt systems.



Style 3419
Shown with 5177 1250
gpm Nozzle

- Flow capabilities of 1250 gpm (4800 lpm)
- Completely sealed, waterproof connectors
- Programmable oscillation
- Integrated and sealed electronics
- RF wireless control
- 12V or 24V compatible in one unit
- Quick change rechargeable battery system for truck and portable applications
- Simple “plug and play” installation
- Uses standard Apollo ground bases



Style 3600
Wireless Remote

Style 6035
CAN Joystick



Style 6041
CAN Panel Mount
Control



Style 3419
Direct Mount
Flange



Style
2499



Style
2498



Style 1577
SaberMaster
Nozzle



Style 5177 Nozzle



Style
3485

Additional Options:

- Style 6035 - CAN proportional speed joystick
- Style 6041 - CAN panel mount control station
- Style 6045 - Spare battery with storage/charging bracket
- Style 3419 – Direct mount with elevation stop interlock

Nozzle Options:

- Style 5177 Akromatic 1250
- Style 2499 quad stacked tips, with 3485 mini shaper
- Style 2498 triple stacked tips, with 3485 mini shaper

Style	Weight lbs. (kg)		Deck Height	Deck Width	Deck Depth	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Ground Base						GPM	LPM	GPM	LPM
3419	45 (20.5 kg)*	Single Inlet 38 1/2 (17.5 kg)	13" (331 mm)	15" (381 mm)	18 3/8" (467 mm)	Single Inlet 3 1/2" - 5" F (89-125 mm) 4", 5" STORZ (100, 125 mm) Dual Inlet 2 1/2" or 3" F (65 or 75 mm)	2 1/2" Male (65 mm)	Single Inlet 1000	Single Inlet 3800	Single Inlet 1250	Single Inlet 4800
		Dual Inlet 32 (14.5 kg)						Dual Inlet 800	Dual Inlet 3030	Dual Inlet 1250	Dual Inlet 4800

* Less nozzle



Municipal Portable and Truck Monitors



Apollo™ Monitor 1250 GPM (4800 LPM)

Akron® Apollo Monitors offer a variety of models with features to fit the ever increasing demands of the fire service with a durable, dependable and stable monitor.

- 360° rotation when mounted in the deck mode, 180° in the portable mode
- Vertical travel from 90° above to 15° below horizontal, with built-in 35° safety stop
- 3" waterway with cast-in turning vanes for efficient flow
- Direct mount - a combination 3" NPT female and 3" flange
- Carbide spikes for extended wear (Spike covers optional)
- Also available as portable only or deck mount only - must specify
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Style 3416
Shown with Style 5160 Akromatic®
Master Stream Nozzle



Style 3423
Shown with Style 3488
Discharge Pipe & Style 2499
Quad Stacked Tips

- 3414 Apollo Single Inlet Portable Monitor**
• Includes a ground base and liftoff



- 3421 Apollo Dual Inlet Portable Monitor**
• Includes a ground base and liftoff



- 3416 Apollo Single Inlet Portable and Deck Monitor**
• Includes a ground base, liftoff and direct mount



- 3423 Apollo Dual Inlet Portable and Deck Monitor**
• Includes a ground base, liftoff and direct mount



NOTE: Available in deck only configurations - Must specify

Style	Weight lbs. (kg)		Deck Height	Deck Width	Deck Depth	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Gd Base						GPM	LPM	GPM	LPM
3414/ 3416	23 (10.4 kg)*	38 1/2 (17.5 kg)	** 12 11/16" (305 mm)	13" (331 mm)	23 1/2" (597 mm)	3 1/2" - 5" F (89-125 mm) 4", 5" STORZ (100, 125 mm)	2 1/2" Male (65 mm)	1000	3800	1250	4800
3421/ 3423	23 (10.4 kg)*	32 (14.5 kg)	** 12 11/16" (305 mm)	13" (331 mm)	23 1/2" (597 mm)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" Male (65 mm)	800	3030	1250	4800

* Less nozzle ** Measured from flange base to the top of the liftoff (Excludes nozzle or tips), Elevation Elbow extends 1" (25 mm) below flange base



Municipal Portable and Truck Monitors

Apollo Hi-Riser™ Monitors 1250 GPM (4800 LPM)

The Apollo Hi-Riser includes the outstanding features of the standard Apollo along with the added benefit of rising over obstacles on top of the apparatus. To elevate the Apollo Hi-Riser, simply pull a pin and raise the discharge 24" above the deck. Also, the Apollo Hi-Riser rotates easily down to a low profile position for portable operation and comes complete with an automatic drain valve. Nothing could be simpler... Yet more versatile!

3431 Apollo Hi-Riser Single Inlet Portable and Deck Monitor
 • Includes single inlet ground base, liftoff and direct mount

3433 Apollo Hi-Riser Dual Inlet Portable and Deck Monitor
 • Includes a dual inlet ground base, liftoff and direct mount



NOTE: Available in deck only configurations - Must specify

Style	Weight lbs. (kg)		Deck Height	Width **	Depth**	Inlet	Outlet	Ground Flow		Deck Flow	
	Liftoff	Gd Base						GPM	LPM	GPM	LPM
3431	31 * (14.1 kg)	38 1/2 (17.5 kg)	** 15 1/4" (387 mm)	14 9/16" (370 mm)	18 5/8" (473 mm)	3 1/2" - 5" F (89-125 mm) 4", 5" STORZ (100, 125 mm)	2 1/2" Male (65 mm)	1000	3800	1250	4800
3433	31 * (14.1 kg)	32 (14.5 kg)	** 15 1/4" (387 mm)	14 9/16" (370 mm)	18 5/8" (473 mm)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" Male (65 mm)	800	3030	1250	4800

* Less nozzle

** Stowed position, measured from base of flange to top of lift off, elevation elbo extends 2" (50 mm) below flange base



Style 3431/3433
 Shown in deck mount mode with
 Style 5160 Akromatic Master
 Stream Nozzle

Patented 6,109,360

Apollo Accessories

3401 Monitor Support Flange
 • For use with 3" NPT pipe extended above the deck

Style 3401



3501 Direct Mount Cover
 • Designed to prevent the Direct Mount Flange from collecting debris when left exposed

Style 3501



Upper Deck

Designed to add 18" of additional height to the Apollo during deck operation. A simple and economical way to gain clearance over obstructions. Available with optional "unit mounted" indicator switch. (Note: Not for use with Apollo Hi-Riser)

3405 Upper Deck
 • Height: 19 1/4", weight: 10 lbs.



Style 3405
 Shown with Apollo
 Monitor

Apollo Base Mounts

3503 Apollo Top Mount
 • Easily mounts the Apollo on top of a vehicle for deck gun operation or storage on a vertical surface
 • Size: 22" x 15 1/4", weight: 7 1/2 lbs.

3502 Apollo Running Board Mount
 • Same as Style 3503 except with an "L" bracket for storage on a running board
 • Size: 22" x 21 3/4", weight: 12 1/2 lbs.

3505 Mount for Apollo Ground Base
 • Conveniently store the Apollo ground base with folding legs in a standard apparatus compartment
 • Length: 10", thickness: 2 1/2", weight: 1 5/8 lbs.



Style 3505



Style 3503



Ozzie™ Master 922 Oscillating Monitor 1250 GPM (4800 LPM)

The Akron® Ozzie Master 922 Oscillating Monitor has a powerful sweeping water stream for high performance attack and protection. Its' unique water-driven motor sweeps the outlet back and forth in a smooth, wave-like motion to provide cooling and protection while unmanned. The Ozzie Master Oscillating Monitor operates by itself to provide greater flexibility by protecting exposures while personnel work elsewhere. Ozzie Oscillating Monitors are suited for haz-mat situations, protecting exposures, and attacking fires.

922 OzzieMaster™ Oscillating Monitor

An Ozzie Liftoff designed for use with an Apollo™ Single or Dual Inlet Ground Base, See page 59

- Adjustable sweeping range 25° either side of center
- Vertical travel from 45° to 90° above horizontal
- On/Off knob can stop oscillation at any point
- Built-in pressure gauge
- See page 204 for Monitor/Fog Nozzle Compatibility Chart



Style 922
Shown with Style 1745 TurboMaster™
Master Stream Nozzle mounted on
Apollo Single Inlet Ground Base

Style	Weight lbs. (kg)	Height	Length	Width	Inlet	Outlet	Ground Flow		Deck Flow	
							GPM	LPM	GPM	LPM
922	27 1/2* (12.5 kg)	13*** (330 mm)	21" (533 mm)	17 3/4" (450 mm)	See Apollo Inlet Options	2 1/2" (65 mm)	1000 Single Inlet 750 Dual Inlet	3800 Single Inlet 2900 Dual Inlet	1250	4800

* Less ground bases and nozzle

** Liftoff only, does not include direct mount flange or adapter

NOTE: A direct mount flange allows the OzzieMaster Oscillating Monitor to be used as a deck monitor.



Municipal Manual Monitors

GP Manual Monitor 1000 GPM (3800 LPM)

The GP Manual Monitor is one of the most cost effective, highest performing firefighting monitors found worldwide. This monitor's rugged, lightweight design was engineered using some of the world's most advanced computer aided design and testing technology, resulting in performance seen by no other 1000 gpm (3800 lpm) monitor today. Once you grab the dual handled controls, you will know you are using the most highly maneuverable, easiest operating, most versatile fire service monitor in the world. No other monitor in its class even comes close!

3430 GP Manual Monitor

- Rated flow up to 1000 gpm (3800 lpm)
- Rotation Continuous 360°
- Elevation +90° to -45°
- Cast-in turning vanes & integrated removable stream shaper for maximum reach and stream performance
- Built-in pressure gauge
- "T" handle manual control provides precise, easy positioning and control
- Compact, efficient design requires minimum mounting space
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Style 3430
with 487 GP
Smooth Bore Tip

Style	Weight Lbs.	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3430	15.4 lbs (7 kg)	13 1/4" (337mm)*	11" (279mm)	9 13/16" (250 mm)	3"-4" Flange (75-100 mm) DN80-100 Flange 2 1/2 - 3" NPT or BSP	2 1/2" NH (65 mm)	1000	3800

* Less Tiller Bar

See Page 55, 205 for Electric Monitor Accessories



Gemini Monitor 1000 GPM (3800 LPM)

The Gemini Monitor is of Pyrolite® construction with a compact split waterway designed with cast-in turning vanes providing performance and exceptional durability.

3470 Handwheel Gemini Monitor

- 360° continuous horizontal rotation
- Self-locking handwheel for horizontal and vertical travel
- Built-in pressure gauge with gauge guard
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3470	25 (11.3 kg)	20" (508 mm)	12 1/4" (312 mm)	14 5/16" (364 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800



Style 3470
Shown with Style
3488 Discharge Pipe
& Style 489 Tip



Ladder Pipes 750/1000 GPM (3000/3800 LPM)

The Akron® Ladder Pipe offers a lightweight, compact design for uniped ladder trucks.

1495 Ladder Pipe 1000 GPM (3800 LPM)

- New easy adjustable mounting clamp with safety pins for more secure mounting
- Horizontal lock permits 15° sweep either side of center
- Removable control handle adjusts to 12 positions
- Lightweight extruded aluminum discharge pipe with full-length stream shaping fins
- 200 ft. 3/8" No. 1 Grade pure manila rope
- Includes three Style 489 Tips (1 1/8", 1 3/4", 2") with Style 350 Mounting Plates
- Adjustable mounting clamps for round rung ladders, square clamps available - Must Specify
- Optional 14950007 Mounting fixture - Must Specify

1496 Classic Ladder Pipe 750 GPM (3000 LPM)

- Uses 04970001 Mounting fixture - Optional -, Must Specify

Style	Weight lbs. (kg)	Length	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
1495	27 (12.3 kg)	39 7/8" * (1013 mm)	14 1/8" * (359 mm)	9 1/8" * (232 mm)	2 1/2" or 3" (65 or 75 mm)	2 1/2" (65 mm)	1000	3800
1496	23.5 (10.7 kg)	38" (965 mm)	17" (432 mm)	11 1/2" (292 mm)	2 1/2" or 3" (65 or 75 mm)	2 1/2" (65 mm)	750	3000

* Less Nozzle



Style 1495
Shown with
Style 489 Tip and
Discharge Pipe

Aries™ Monitor 1250 GPM (4800 LPM)

3425 Aries Monitor

- Pyrolite® finish
- Cast-in turning vanes for efficient flow
- Full 3" waterway
- Handwheel controlled vertical travel for improved positioning control, 90° above to 15° below horizontal
- Grease fittings for easy maintenance
- A friction lock on the horizontal travel
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3425	24 3/4 (11.2 kg)	17" (431 mm)	12 3/4" (324 mm)	26 7/8" (683 mm)	2 1/2" - 3" (65-75 mm) NPT or FL	2 1/2" (65 mm)	1250	4800



Style 3425
Shown with Style 1747 Excel
1000" Master Stream Nozzle

Apollo™ Single Waterway Monitors 1250 GPM (4800 LPM) 3", 2000 GPM (7600 LPM) 4"

- Designed for fixed installations in non-corrosive environments
- Durable lightweight Pyrolite® construction
- Cast-in turning vanes in each elbow for more efficient flow and improved stream performance
- 360° horizontal and 150° vertical travel
- Elevation 90° above to 60° below horizontal
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

3426 3" Apollo Single Waterway Monitor

- A friction lock on both the vertical and horizontal travel
- Built-in pressure gauge and gauge guard

3436 4" Apollo Single Waterway Monitor

- Gas spring for better balance with various nozzle weights
- Brake band lock on the vertical and horizontal travel
- Sleeve and ball bearing swivel joints for easy operation

Style 3426
Shown with Discharge Pipe
Style 3488 & Tip Style 489



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3426	21 (9.5 kg)	17" (431 mm)*	12 3/8" - 15 1/8" (315 - 385 mm)	32 3/4" (832 mm)	2 1/2" - 3" (65-75 mm) NPT or FL	2 1/2" (65 mm)	1250	4800
3436	37 (16 kg)	18 1/4" (464 mm)*	17 1/2" (445 mm)	42 3/16" (1072 mm)	4" FL (100 mm)	3 1/2" NPSH (89 mm) 4" NH (100 mm)	2000	7600

* Not including tiller bar



Municipal Manual Monitors

StreamMaster™ II Manual Monitors 1500/2000 GPM (5700/7600 LPM)

The StreamMaster II manual monitor is taking monitor design technology to the next level. Included in its patented design is a unique waterway construction capable of flows from 250 gpm (950 lpm) up to 1500 gpm (5700 lpm). For the 3483 or 500-2000 gpm (1900-7600 lpm) for the 3481. This waterway provides balanced forces on the outlet and reduced friction loss resulting in exceptional stream performance over this wide-range of flows in a small compact package. This dual handwheel controlled monitor is suited for large flow needs in fire apparatus and fixed site installations.

- Compact industry leading operating envelope (10.5", 266.7 mm)
- Easy handwheel operation of both horizontal and vertical travel
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

3483 3" Flange inlet, 2 1/2" NH outlet up to 1500 gpm flow

3481 4" Flange inlet, 3 1/2" NH outlet up to 2000 gpm flow



Style 3481
Shown with
Style 5170 Nozzle

Style	Weight * lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3483	31 (14 kg)	18 1/4" (464 mm)	10 29/64" (265 mm)	11 5/8" (295 mm)	3" Flange (DN80)	2 1/2" Male (65 mm)	1500	5700
3481	33.3 (15.1 kg)	18 1/4" (464 mm)	11 3/4" (298 mm)	12 7/16" (316 mm)	4" Flange (DN100)	3 1/2" Male (89 mm)	2000	7600

* Less nozzle

StreamMaster Monitors 2000 GPM (7600 LPM)

The StreamMaster Monitor has uniquely designed, low profile 4" waterway with cast-in turning vanes. When coupled with an 80 psi nozzle, the pump can operate at lower pressures for flows up to 2000 gpm (7600 lpm).

3570 StreamMaster Manual Monitor

The Streammaster Manual Monitor is a dual handwheel controlled monitor suited for large flow needs in fixed site installations.

- Pyrolite® finish
- Full 360° horizontal travel and 135° vertical travel, both with adjustable stops
- Elevation 45° below to 90° above horizontal
- Smoother, easier handwheel operation of both horizontal and vertical travel
- See page 203 for Monitor/Fog Nozzle Compatibility Chart



Style 3570
Shown with Style 5170
Akromatic 2000 Master
Stream Nozzle

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3570	33 (15 kg)	16 5/8" (422 mm)	14 13/16" (376 mm)	20 5/8" (524 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600







Corrosion resistant monitors with maximum travel for optimal coverage in industrial, mining and marine environments.

Severe-Duty Monitor 750 GPM (2900 LPM)

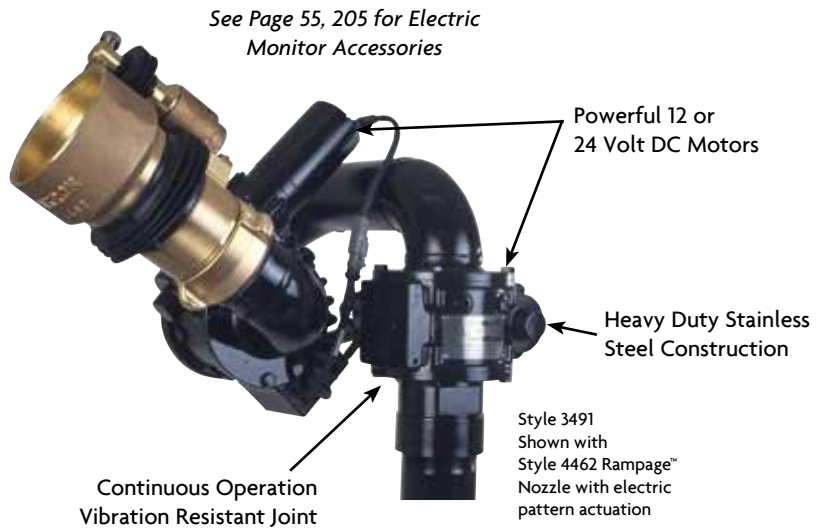
The Severe-Duty, multi-purpose monitor is designed to withstand continuous operation while mounted on heavy-duty equipment like off-road fire, construction, mining, or landfill vehicles. Dusty, dirty, outdoor, and continuous vibration applications are what this Akron Brass severe-duty monitor is designed to survive. The Severe-Duty monitor is excellent for fixed site non-classified wash down or fire protection.

3491 Severe-Duty Electric Monitor

- 12/24 volt motor (Must specify)
- Stainless construction
- 320° rotation
- 155° elevation (+90°, -65°)
- Fast travel, 20°/ sec
- Pressures up to 200 psi
- 2 1/2" waterway (65 mm)
- Reaches 200' at 750 gpm
- See page 203 for Monitor/Fog Nozzle Compatibility Chart

Control Options:

- Joystick Control
- Toggle Switch Control
- Custom Control Panel



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3491	57 (25.6 kg)*	10" (254 mm)	10 1/2" (267 mm)	11 1/2" (292 mm)	2 1/2" NPT (65 mm) 3" FL (75 mm)	2 1/2" NH (65 mm)	750	2900

* Less nozzle

Brass StreamMaster™ Monitor 1000 GPM (3800 LPM)

The brass StreamMaster uses a uniquely designed, low profile 4" waterway to provide an extremely efficient 1000 GPM flow. This monitor has been constructed to withstand harsh environments.

3572 Brass StreamMaster Electric Monitor

- Heavy duty brass construction
- 12 or 24 volt DC (24 volt CE approved for non hazardous locations - Must specify)
- 348° of horizontal and 135° of vertical travel both with adjustable stops
- Manual override
- See page 204 for Monitor/Fog Nozzle Compatibility Chart



See Page 55, 205 for Electric Monitor Accessories

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3572	115 (52.3 kg)*	16 5/8" (422 mm)	14 1/4" (362 mm)	15 11/32" (390 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	1000	3800

* Less Nozzle



Industrial Hydraulic Monitors

Corrosion resistant monitors with maximum travel for optimal coverage in industrial, mining and marine environments.

Severe-Duty Monitor 750 GPM (2900 LPM)

The Severe-Duty, multi-purpose monitor is designed to withstand continuous operation while mounted on heavy-duty equipment like off-road fire, construction, mining, or landfill vehicles. Dusty, dirty, outdoor, and continuous vibration applications are what this Akron Brass severe-duty monitor is designed to survive. Excellent for fixed site non-classified wash down or fire protection.

3492 Severe-Duty Hydraulic Monitor

- Hydraulic motor flow 1/2 gpm @ 500 psi
- Stainless construction
- 320° rotation
- 155° elevation (+90°, -65°)
- Fast travel, 20°/ sec
- Pressures up to 200 psi
- 2 1/2" waterway (65 mm)
- Reaches 200' at 750 gpm
- See page 204 for Monitor/Fog Nozzle Compatibility Chart



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3492	59 (26.7 kg)	10" (254 mm)	10 1/2" (267 mm)	11 1/2" (292 mm)	2 1/2" NPT (65 mm) 3"FL (75 mm)	2 1/2" NH (65 mm)	750	2900

Gemini Monitor 1000 GPM (3800 LPM)

The Gemini Hydraulic Monitor is of Pyrolite® or brass construction with a compact split waterway designed with cast-in turning vanes. The Gemini Monitor provides high performance and exceptional durability.

- 135° vertical travel: 45° below to 90° above horizontal
- 360° continuous horizontal rotation due to innovative rotation joint design
- Optional manual override
- See page 204 for Monitor/Fog Nozzle Compatibility Chart

3475 Hydraulic Gemini Monitor

3476 Brass Hydraulic Gemini Monitor



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3475	32 (14.5 kg)	20" (508 mm)	10 1/4" (260 mm)	15 1/8" (385 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800
3476	82 (37.3 kg)	20" (508 mm)	10 1/4" (260 mm)	15 1/8" (385 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800



Gemini™ Monitor 1000 GPM (3800 LPM)

A self-locking, dual handwheel brass, monitor with a split waterway and cast-in turning vanes for efficient flow. Built-in pressure gauge and gauge guard.

- 3471 Gemini Monitor**
- 135° vertical travel
 - 360° continuous horizontal travel
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3471	75 (34 kg)	20" (508 mm)	13 1/4" (335 mm)	12 3/8" (315 mm)	3" - 4" (75-100 mm) NPT or FL	2 1/2" (65 mm)	1000	3800

Style 3471
Shown with
Style 3488
Discharge Pipe
& Style 489 Tip



Omega™ XP Monitor 1250 GPM (4800 LPM)

The Omega XP brass monitor offers maximum travel for optimal coverage in industrial and marine environments.

- 3528 Omega XP Monitor**
- Brass construction for corrosion resistance
 - Cast-in turning vanes for more efficient flow
 - Unique locking mechanism to hold desired position
 - Enhanced design provides less tip weight which translates to lower handle operating force
 - 360° of horizontal movement and 135° of vertical movement
 - Elevation 90° above to 45° below horizontal
 - Maximum operating pressure of 200 psi
 - Maximum flow 1250 gpm
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3528	55* (24.9 kg)	14*** (356 mm)	9 3/4" (248 mm)	9 3/4" (248 mm)	3" or 4" FL (75 or 100 mm)	2.5" NH (65 mm)	1250	4800

* Less nozzle ** Less handle



Style 3528
Shown with
Style 2151 Nozzle

Omega™ XPV Monitors 1250 GPM (4800 LPM)

The Omega XPV brass monitors have a built-in valve for optimal versatility in industrial and marine environments.

- Brass construction for corrosion resistance
- Cast-in turning vanes for more efficient flow
- Unique locking mechanism to hold desired position
- Built-in 3" Heavy-Duty Swing-Out™ valve
- Enhanced design provides for less tip weight which translates to lower handle operating force
- 360° of horizontal movement and 135° of vertical movement
- Elevation 90° above to 45° below horizontal
- Maximum operating pressure of 200 psi
- Maximum flow 1250 gpm
- See page 204 for Monitor/Fog Nozzle Compatibility Chart

3523 Omega XPV Monitor

3522-SPL Omega XPV Monitor

- Equipped to withstand extreme environmental conditions
- No lubrication or regular maintenance required
- Externally sealed rotation and elevation joints
- Stainless steel "T" handle brake levers to hold desired position
- Extended length stainless steel valve actuator handle
- Two part primer and paint finish for excellent corrosion resistance and UV color protection
- Waterway protection cover

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3523	84 lbs* (38.2 kg)	21 3/16"* (538 mm)	16 1/4" (413 mm)	9 3/4" (248 mm)	3" or 4" FL (75 or 100 mm)	2.5" NH (65 cm)	1250	4800
3522-SPL	84 lbs* (38.2 kg)	21 3/16"* (538 mm)	19 7/16"* (494 mm)	12 11/16" (323 mm)	3" or 4" FL (75 mm or 100 mm)	2.5" NH (65 mm)	1250	4800

* Less nozzle & handle



Style 3523
Shown with
Style 2151 Nozzle

Incorporates Akron's proven Generation II Heavy-Duty™ Swing-Out Valve technology

- Unique 316 grade stainless steel ball - designed for superior gating
- 90° adjustable handle travel
- No lubrication or regular maintenance required
- Designed to exceed NFPA requirements



waterway protection cover



Style 3522-SPL
Shown with
Style 5161 Nozzle





Industrial Manual Monitors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Omega™ SD Severe-Duty Monitor 1250 GPM (4800 LPM)

- 3524 Omega SD Severe-Duty Monitor**
- Ideal for high usage applications
 - Mining
 - Tank Cleaning
 - Equipment Wash Down
 - Extensive duty-cycle use
 - Brass & stainless steel construction
 - Cast-in turning vanes
 - Unique severe-duty joint design
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Product Ratings:

- Maximum Flow: 1250 gpm (4800 lpm)
- Maximum Pressure: 200 psi (1400 bar)
- Articulation:
 - 360° Horizontal TO 90° to +90° vertical travel
- Friction Loss 12 psi @ 1000 gpm



Style 3524
Shown with
Style 499 Triple Stacked
Deluge Tips

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet Standard	Inlet Optional	Outlet	Flow	
								GPM	LPM
3524	58.5 (26.5 kg)	13 15/16" * (354 mm)	14 3/16" * (360 mm)	26 5/8" (676 mm)	3" (75 mm)	3" or 4" FL (75 or 100 mm)	2.5 NH (65 mm)	1250	4800

* Maximum dimensions, less nozzle

Omega™ Monitor 1250 GPM (4800 LPM)

- 3526 Omega Monitor**
- Full 3" waterway
 - Brass construction
 - Cast-in turning vanes for more efficient flow
 - 360° horizontal and 150° vertical travel
 - Elevation 90° above to 60° below horizontal
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart



Style 3526
Shown with
Rampage™ nozzle

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3526	72 (32.7 kg)	17" * (432 mm)	11 1/2" * (292 mm)	32 3/4" * (832 mm)	2 1/2", 3" or 4" FL (65, 75 or 100 mm)	2 1/2" (65 mm)	1250	4800

* Maximum dimensions, less nozzle

Aries™ Monitor 1250 GPM (4800 LPM)

- 3525 Aries Monitor**
- Single handwheel brass monitor
 - Cast-in turning vanes for more efficient flow
 - 360° horizontal travel
 - Elevation 90° above to 60° below horizontal
 - Full 3" waterway
 - Optional drain valve - Must specify
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart



Style 3525
Shown with Style 4450
Aquastream™ Nozzle



Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3525	66 (30 kg)	15" (380 mm)	14" (550 mm)	17 1/2" (445 mm)	3" or 4" FL (75 or 100 mm)	2 1/2" (65 mm)	1250	4800



Omega™ Monitor 2000 GPM (7600 LPM)

- 3437 Omega Monitor**
- Full 4" waterway
 - Gas spring for better balance with various nozzle weights
 - Brass Construction
 - Cast-in turning vanes for more efficient flow
 - 360° horizontal and 150° vertical travel
 - Elevation 90° above to 60° below horizontal
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3437	114 (51.7 kg)	18 1/4" (464 mm)	17 1/2" (445 mm)	4" FL (100 mm)	3 1/2" NPSH (89 mm) 4" NH (100 mm)	2000	7600



Style 3437
Shown with
Style 3488
Discharge Pipe and
Style 489 Tip

Brass StreamMaster Monitor 2000 GPM (7600 LPM)

StreamMaster Monitors have a uniquely designed, low profile 4" waterway with cast-in turning vanes. When coupled with an 80 psi nozzle, the pump can operate at lower pressures for flows up to 2000 gpm (7600 lpm). The Streammaster Manual Monitor features dual handwheel control suited for large flow needs in fixed site installations.

- 3571 Brass StreamMaster Manual Monitor**
- Heavy duty brass construction
 - Full 360° horizontal and 135° vertical travel, both with adjustable stops
 - Elevation 45° below to 90° above horizontal
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3571	104 * (47.3 kg)	16 5/8" * (422 mm)	14 1/4" * (362 mm)	18 5/8" * (473 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600

* Less nozzle

See Page 45 for Electric Monitor Accessories



Style 3571 Brass StreamMaster shown with Style 5071 Master Stream Nozzle

Conquest™ Monitor 2000 GPM (7600 LPM)

A dual handwheel brass monitor with cast-in turning vanes for industrial fires and vapor releases.

- 3671 Dual Handwheel Conquest Monitor**
- Low friction loss
 - Full 4" waterway
 - 12 volt electric version available
 - Elevation 90° above to 90° below horizontal
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3671	185 (87.5 kg) *	25 1/2" (648 mm)	26" (661 mm)	19 3/8" (492 mm)	4" FL (100 mm)	3 1/2" NH (89 mm)	2000	7600

* Less nozzle



Style 3671
Shown with
Style 5071
Akromatic®
Nozzle



Storm™ Monitor 2000 GPM (7600 LPM)

A dual handwheel brass monitor with cast-in turning vanes for industrial fires and vapor releases.

- 3690 Storm Monitor**
- 5" waterway
 - 360° rotation
 - Vertical travel 85° above to 45° below horizontal
 - See page 204 for Monitor/Fog Nozzle Compatibility Chart

Style	Weight lbs. (kg)	Height	Width	Depth	Inlet	Outlet	Flow	
							GPM	LPM
3690	193 (87.5 kg)	49 1/2" (1257 mm)	30 1/2" (775 mm)	31 1/2" (800 mm)	4" FL (101 mm)	3 1/2" NPSH (89 mm)	2000	7600



Style 3690
Shown with Style 5071
Akromatic Nozzle



Industrial Monitor Systems

Conquest™ SST 2,000 GPM (7600 LPM)

The Conquest SST stainless steel electric remote controlled monitor system has been engineered using the highest quality cast stainless steel waterways with flow capabilities up to 2,000 gpm (7600 lpm). This cast stainless steel monitor out performs a traditional welded tube design maximizing reach and performance. An overall reach of 265 ft (80 meters) can be achieved when using Akron's Style 4473 variable flow 500, 750 & 1000 gpm (1900, 2800, & 3800 lpm) self-educing nozzle.

3778 Conquest SST

- Premium cast stainless steel construction
- Cast-in turning vanes for reduced pressure loss
- Monitor and system controls are completely approved for NEC Class 1, Div 2, Groups C & D hazardous locations
- Flows up to 2000 gpm (7600 lpm)
- 330° Horizontal Rotation
- 180° Vertical Rotation – 90° above to 90° below horizontal
- Weight: 174 lbs. (79 kg)



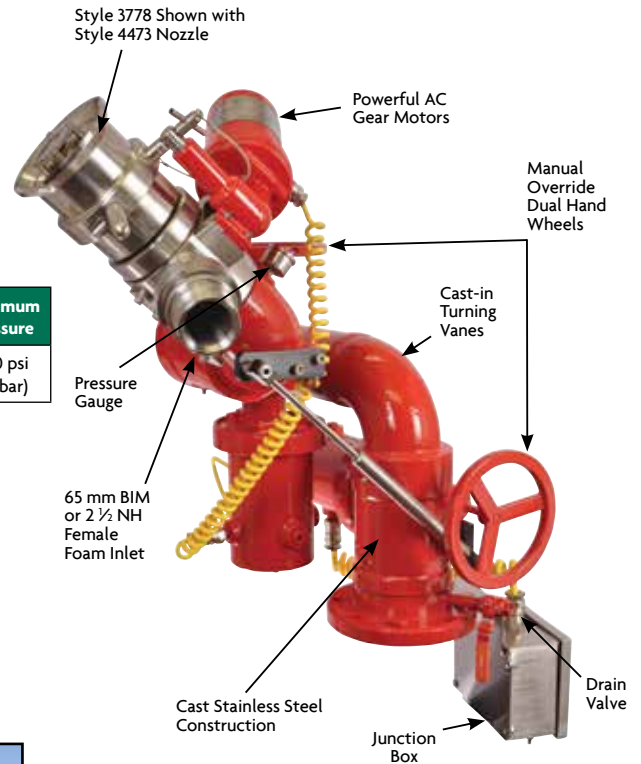
Conquest SST

Style	Weight	Height	Width	Outlet	Inlet	Maximum Flow	Maximum Pressure
3778	174 lbs. (79 kg)*	22 11/16" (576 mm)	22 11/16" (576 mm)	3 1/2" NH (89 mm)	4" 150# ASA flange	2000 gpm (7600 lpm)	200 psi (14 bar)

*Less nozzle

Variable Flow Self-Educing Nozzle

Style	Flow		Inlet	Length	Weight	Maximum Pressure
	GPM	LPM				
4473	1000	3800	3.5" (89 mm)	12" (305 mm)	55 lbs. (25 kg)	200 psi (14 Bar)
	750	2800				
	500	1900				



* FM approved with Chemguard C303 3% AFFF Foam and Style 3031 Akron JRC only
 ** Reach and expansion can vary when used with different foam concentrates



Operator Control Panel



140° Fog Pattern



Motor Control Unit



Style 3778 Conquest™ SST Shown during FM fire test.



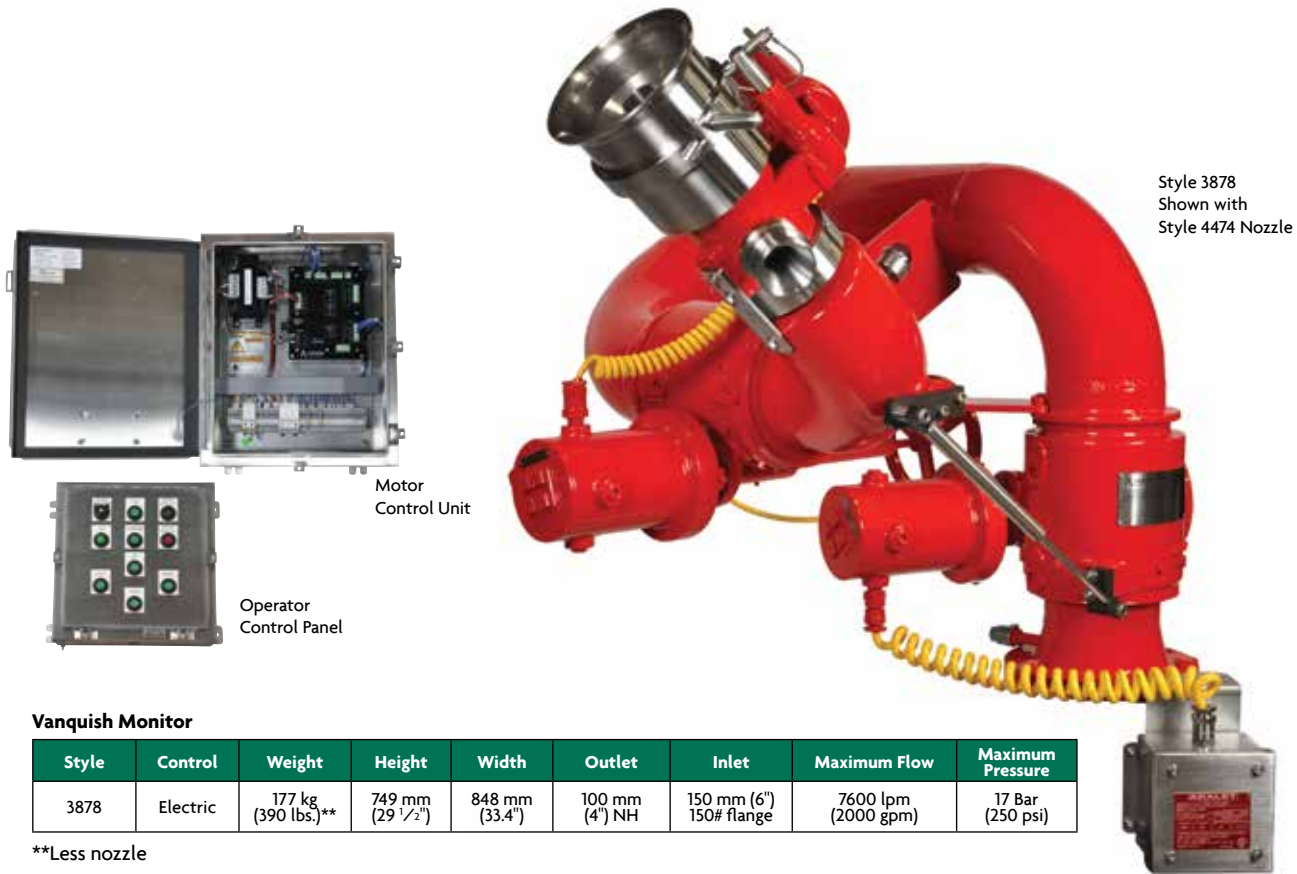
Industrial Monitor Systems

Vanquish SST Electric Remote Controlled Monitor System 2,000 GPM (7600 LPM)

The Vanquish SST Stainless Steel, electric monitor system has been engineered using the highest quality stainless steel waterways with flow capabilities up to 7600 lpm (2,000 gpm). When paired with the Style 4474 nozzle and 3032 JRC, effective foam reach capabilities can be achieved up to 80 meters (262 ft) at 7600 lpm (2000 gpm). The Vanquish offers superior quality and durability with advanced electronic controls designed to withstand extreme environmental conditions. This system is ideal for use in fire suppression, vapor mitigation and other demanding fixed site applications.

3878 Vanquish Monitor

- Stainless steel material provide maximum corrosion protection extending the life of the product which translates to lower life cycle costs
- Large 150 mm (6") waterway for reduced friction loss
- Exclusive nozzle and monitor geometry engineered with state-of-the-art fluid dynamic software and 3D CAD modeling
- Motor Control Unit and Operator Control Panel can be mounted at a safe distance away from the monitor for personnel safety (In the Remote Controlled System Only)
- Entire remote monitor system and system controls are completely FM approved for NEC Class 1, Div 2, Groups C & D hazardous locations
- Meets or exceeds the Oil Industry Safety Directorate (OISD) Standard
- 5 year warranty
- Paint Options: Blue, Red, Safety Yellow, Safety Orange or to your specification



Style 3878
Shown with
Style 4474 Nozzle

Vanquish Monitor

Style	Control	Weight	Height	Width	Outlet	Inlet	Maximum Flow	Maximum Pressure
3878	Electric	177 kg (390 lbs)**	749 mm (29 1/2")	848 mm (33.4")	100 mm (4") NH	150 mm (6") 150# flange	7600 lpm (2000 gpm)	17 Bar (250 psi)

**Less nozzle

Variable Flow Self-Educting Nozzles

Style	Control	Flow		Inlet	Length	Weight	Maximum Pressure
		GPM	LPM				
4474	Electric	2000 1500 1000	7600 5700 3800	100 mm (4") NH	330 mm (13")	28 kg (62 lbs.)	17 Bar (250 psi)



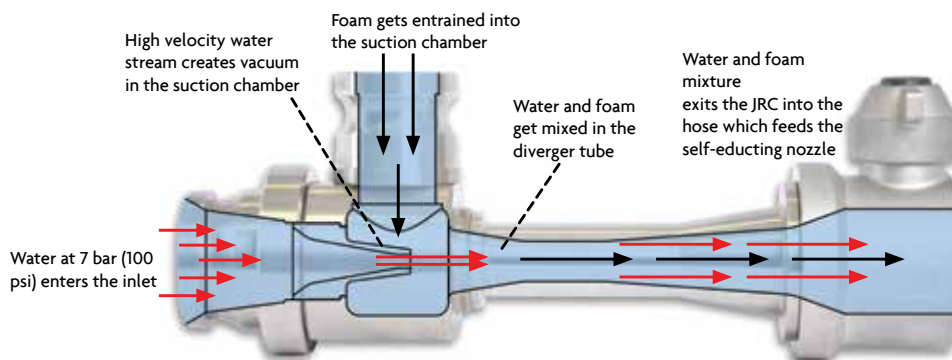


Style 3878 Vanquish SST Remote Controlled Monitor	
Material	316L Stainless Steel construction
Maximum Flow	7600 lpm (2000 gpm)
Inlet	150 mm (6") (150 lb.) flange with drain valve
Outlet	100 mm (4") NH thread with pressure gauge
Waterway	150 mm (6") diameter internal
Friction Loss	0.4 bar (6 psi) at 7600 lpm (2000 gpm)
Rotation	340° rotation
Elevation	165°, +90° above to -75° below horizontal
Motors	Single phase, AC motors with IP66 weather protected housings
Manual Override	Permanently attached hand wheel
Axis Drive Mechanics	Self-locking worm and worm gear
Operating Temperatures	+60°C to -40°C (+140°F to -40°F)
Maximum Operating Pressure	17 Bar (250 psi)
Dimensions	749 mm (29 1/2") high, 945 mm (37.2") wide
Weight	177 kg (390 lbs.)
Electrical	230 VAC 1 Phase or 230/415 VAC 3 Phase, 50/60 Hz supplied to the Motor Drive Box
Maximum Reaction	2264 N (1670 Lbf) @ 2000 gpm (7600 lpm)
Force Moment (at the Inlet Base)	3254 N-M (2400 Lb-Ft) @ 2000 gpm (7600 lpm)
Control Panel Specifications	
Operator Inputs	Push button switches for: -Power on/off -Monitor Rotation (left/right) -Monitor Elevation (up/down) -Nozzle Pattern Control (stream/fog) -Water Control Valve (open/closed)
Input Voltage	24 VDC (generated in the Motor Control Unit)
Enclosure	NEMA 4X/increased safety
Enclosure Dimensions	406mm x 406mm x 152mm (16" L x 16" W x 6" H)
General System Specifications	
3rd Party Approvals	FM - Class 1, Div. 2, Groups C & D -T3C ATEX - II 3 G Ex nR IIC T6 Gc for monitor and nozzle - II 3G Ex nA nC IIC T6 GC for Motor control unit CE

Style 3032 SST Jet Ratio Controller (JRC)

Designed to feed large volumes of foam from a safe location to a self-educing MasterStream nozzle. The JRC can deliver a 3% foam solution to a 7600 lpm (2000 gpm) nozzle at distances up to 70 m (230 ft) away through 63 mm (2 1/2") hose while operating at 7 bar (100 psi) inlet pressure. The Style 3032 JRC is designed for use with the 4473 and 4474 self-educing nozzle.

- 3 m (10') pickup hose and 1 m (40") pickup tube (Stinger)
- Flows 84 lpm (22 gpm) of water and 57 - 115 lpm (15 - 30 gpm) of foam at 7 bar (100 psi) inlet pressure



Style 4474 Electric Non Aspirating, Self Educing, Stainless Steel Nozzle	
Material	316L Stainless Steel construction
Max Flow	7600 lpm (2000 gpm)
Flows	3800, 5700 & 7600 lpm (1000, 1500 & 2000 gpm) Field adjustable without tools
Pattern	Straight stream to 140° wide angle fog
Water Reach	85 m @7600 lpm (278 ft @ 2000 gpm) †
Inlet	100 mm (4") NH Thread
Foam Induction Rate	3% at 2800, 5700 & 7600 lpm (1000, 1500 & 2000 gpm)
Foam Reach	80 m (262 ft) @ 7600 lpm (2000 gpm) **
Foam Expansion	>5:1 (w/AFFF/AR – AFFF Fire Fighting Foam) **
Seals	Nitrile
Motors	Single phase, AC Motors with IP66 weather protected housings
Manual Override	Manual override is built into the actuator design
Operating Temperatures	+60°C to -40°C (+140°F to -40°F)
Maximum Operating Pressure	17 Bar (250 psi)
Dimensions	330mm x 406mm x 330mm (13" L x 16" W x 13" H)
Weight	28 kg (62 lbs.)
Electrical	Supplied by the Motor Control Unit
General System Specifications	
Electrical Rating	Class 1, Div. 2, Groups C & D
3rd Party Approvals	FM - Class 1, Div. 2, Groups C & D -T3C * ATEX - II 3 G Ex nR IIC T6 Gc

† Measured at 32° angle in calm conditions

* FM approved with Chemguard C303 3% AFFF Foam and Style 3032 Akron JRC only

** Reach and expansion can vary when used with different foam concentrates

Style 3032 Jet Ratio Controller	
Material	316/316L Stainless Steel construction
Foam Induction Rate	Up to 3% at 1500, 2000 & 3800 lpm (000, 000 & 1000 gpm) Field adjustable without tools
Flows	Delivery of foam to Self-Educing Nozzle set at 3800, 5700, & 7600 lpm (1000, 1500 & 2000 gpm) Field adjustable without tools
Inlet	63 mm (2 1/2") Male Instantaneous
Outlet	63 mm (2 1/2") Female Instantaneous
Compatible Foam Types	AFFF/AR – AFFF
Inlet Pressure	7 bar (100 psi)
Pick up Tube Length	3.0 - 4.0 Meters (9.8' - 13.1')
Operating Temperatures	+60°C to -40°C (+140°F to -40°F)
Maximum Operating Pressure	17 Bar (250 psi)
Dimensions	389mm x 101mm x 141mm (15 3/16" L x 4" W x 5 5/16" H)
Weight	7.2 kg (16 lbs.)
3rd Party Approvals	-Factory Mutual (FM) when used with 3878 and 4474



Industrial Monitor Systems

Conquest™ Electric Remote Controlled Monitor System 2000 GPM (7600 LPM)

The Conquest Electric Remote Controlled Monitor System was designed as a small compact unit with exceptional performance and value. This System is ideal for use in industrial fire suppression, vapor mitigation, and other fixed site applications.

3678 Conquest Electric Monitor System

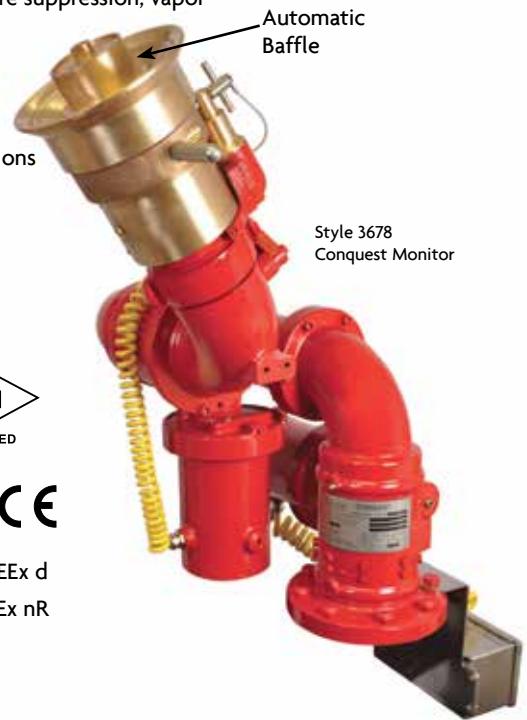
- Brass construction for use in severe environments
- Efficient flows up to 2000 gpm (7600 lpm) through a 4" waterway
- FM approved for NEC Class 1, Div 2, Groups C & D hazardous locations
- Electric motors with current limiting and dynamic braking
- Fixed or automatic baffle nozzles
- Manual overrides



Conquest Drive System



Zone 1 - EEx d
or
Zone 2 EEx nR



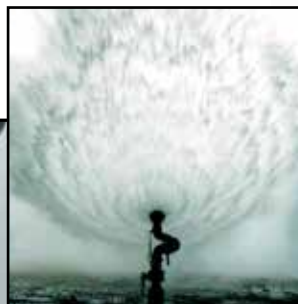
Style 3678
Conquest Monitor

Storm™ Electric Programmable Monitor System 2000 GPM (7600LPM)

The Storm Electric Programmable Monitor System provides a superior fog curtain and excellent straight stream reach coupled with precision nozzle positioning. This Storm System is designed for industrial fire suppression, vapor mitigation and other harsh environment applications.

3698 Storm Electric Programmable Monitor System

- Brass construction for use in severe environments
- High efficient flows up to 2000 gpm (7600 lpm) through a 5" waterway
- Hazardous environment ratings
- Fully programmable for automated positioning with gas detectors or PLCs
- Precision servo motors and programmable drives for high accuracy positioning
- Fixed or automatic baffle nozzle with wide angle fog pattern for vapor mitigation
- Manual overrides



Style 3698
Storm Monitor



Zone 2



Storm Drive System



Genesis™ Hydraulic Monitor Systems 1250 GPM (4800 LPM)

- Brass or Pyrolite® construction
- Continuous 360° horizontal rotation
- High, efficient flows up to 1250 gpm (4800 lpm) through a 3" (75 mm) waterway
- Fixed or automatic baffle nozzles:
Style 5056 Automatic, Styles 2156, 2158 Fixed

3595 Genesis Electric Hydraulic Monitor System

- Electric hydraulic power unit for remote control of all functions
- Optional manual hydraulic power unit for manual override

3590 Genesis Hydraulic Manual Monitor System

- Stand alone or manual override for electric HPU
- Designed as a replacement for chains and pulleys with hand pump operation



Style 3475
Genesis Monitor



Style 3595 Genesis Electric HPU

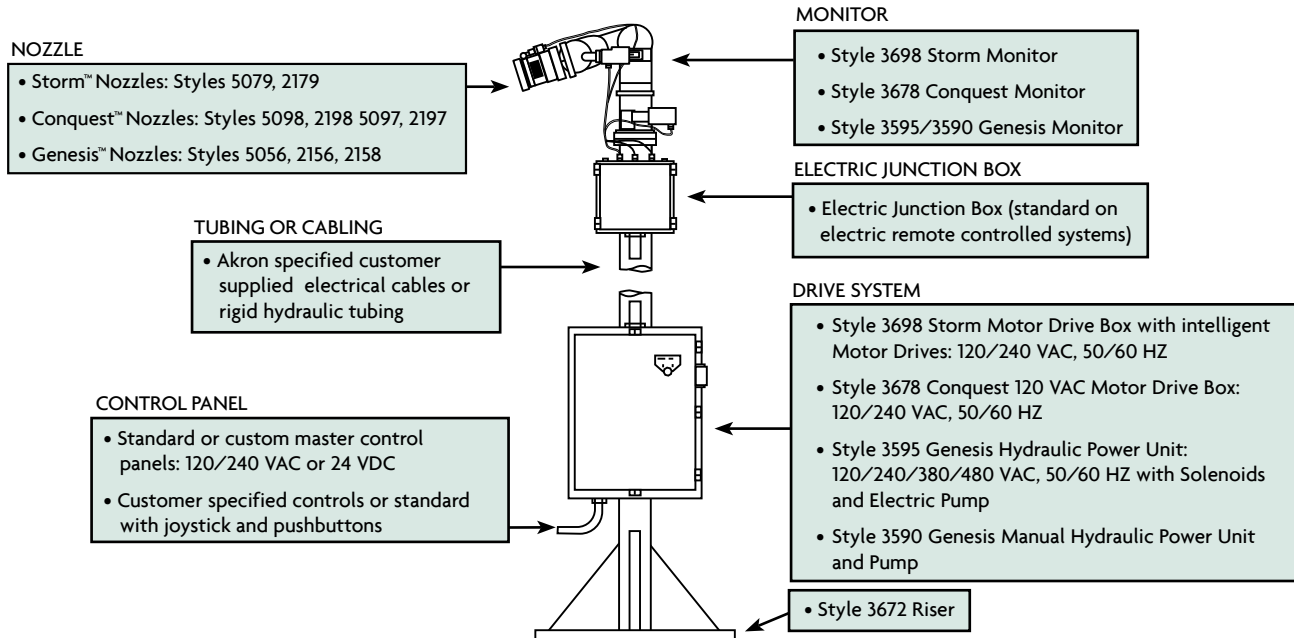


Style 3590 Genesis Manual HPU



Style 3476 Brass Genesis Monitor

Typical Remote Controlled Monitor System



Each Industrial System is custom engineered for specific applications.
Contact Akron Brass Industrial Systems Group for assistance.
industrialsystems@akronbrass.com



Industrial Monitor Systems

Manual Elevated Monitor 750 GPM (2900 LPM)

Akron Brass' Manual Elevated Monitor is ideal for industrial fixed site applications. Its' unique design features the most compact, simple and efficient elevated monitor without compromising the superior performance you've come to expect from Akron Brass products.

3530 Manual Elevated Monitor

- Corrosion resistance materials used throughout
- Heights – 10, 15 and 20 feet (3, 4.5 and 6 m)
- Flow rate – up to 750 GPM (2400 LPM)
- Rotation and elevation – Locking handle at the base of the tower
- Nozzle pattern adjustment – cables at the base of the tower
- Optimized nozzle design
 - Excellent reach: 235 feet (72 m) at 750 GPM (2900 LPM)
 - Trouble free pattern actuation
 - Integral stream shaper
- Maintenance free rotation joint design

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3530	250* (113.4 kg)	10' (3 m)	26 3/4" (680 mm)	4" FL (100 mm)	2.5" N (65 mm)	750	2900
	326* (147.4 kg)	15' (4.5 m)					
	402* (183 kg)	20' (6 m)					

* Less Nozzle



Style 3530 Manual Monitor



Elevation Control Handle



Nozzle Pattern Adjustment Cable



Tank Wash Down System 500 GPM (1900 LPM)

Akron Brass tank cleaning systems offer a wide range of solutions to improve productivity and reduce equipment down time. Automated tank washing operations often use remote-controlled monitors with programmable controls to quickly and thoroughly clean interior surfaces in railroad tank cars. Monitors may require special materials and seals to withstand various tank contents and washing solutions.

3493 Tank Wash Down System

- Stainless Steel, 2.0" diameter waterway
- Flows up to 500 GPM (1900 LPM)
- Severe duty joints
- Programmable – servo motor controlled
- Custom control panels and programs
- Virtually eliminates confined space concerns



Style 3493
Shown with
Style 489 Tip

Large Vehicle And Heavy Equipment Washing 750 GPM (2900 LPM)

Akron's line of heavy-duty vehicle washing water cannons are ideal for routine cleaning of road construction equipment and large on road trucks. Reduce time normally required by current washing methods from hours to minutes with Style 3493 water cannon.

3493 Large Vehicle And Heavy Equipment Washing

- Stainless steel, 2.5" diameter waterway
- Flows up to 750 GPM (2900 LPM)
- Severe duty joints
- Simple joystick or fully programmable – servo motor controlled
- Custom control panels and programs



Style 3493
Shown with
Style 489 tip



Custom Industrial Systems Applications

Riot/Crowd Control Water Cannon

500 GPM (1900 LPM)

The style 3563 is a technologically advanced remote controlled water cannon with features to meet the demands necessary for emergency crowd control. The 3563 can provide continuous flows up to 500 gpm or a pulsing stream up to 200 gpm using the optional high speed pulse-stream valve and joystick. The UII control system provides proportional speed control to the rotation and elevation motors for quick, precise targeting.

3563 Crowd Control Truck Water Cannon

- Emergency crowd control
- Quick response
- Proven technology
- Easy to install and maintain
- Optional programmable pulse - Stream Jet
- Faster target acquisition
- Adjustable control system
- 320° Rotation
- 135° Elevation (+45° to -90°)
- Programmable pulse - Stream Jet options
- Position feedback standard (Display optional)



Style 3563 Shown with Style 489 Tip & 3485 Stream Shaper



Pulse/Stream Joystick

Style	Flow Rate	Max Pressure	Outlet	Inlet	Weight	Travel		Nozzle Options
						Vertical	Horizontal	
3563	500 GPM 100 PSI (1900 LPM @ 7 bar)	200 PSI (14 bar)	2 1/2" (65 mm)	2 1/2" (65 mm)	25 lbs (11 Kg)	-45° - +90°	0° - 320°	Solid bore, Adjustable or fixed flow
3563 With Optional High Speed Valve	200 GPM 100 PSI (750 LPM @ 7 bar)	150 PSI (10 bar)	1 1/2" (38 mm)	2" (51 mm)	25 lbs (11 Kg)	-45° - +90°	0° - 320°	Solid bore, Adjustable or fixed flow



Style 6036 CAN Direction Indicator



Optional high speed valve provides pulses between 1/2 second - 2 1/2 seconds in length or can be used in continuous mode.



Rover™ Monitor Cart 800 GPM (3000 LPM)

A single waterway monitor with wheeled maneuverability for in-plant protection.

3428 Rover Monitor Cart

- Two hose racks provide capacity for 100' (30 m) of 2 1/2" (65 mm) hose
- Complete with gauge and guard, safety chain, and locking wheels with ground spikes
- Removable handle for easy storage
- Horizontal travel: 40° right and left of center (80° total)
- Vertical travel: 90° to 35° above horizontal



Style 3428
Shown with Style 4452
Aquastream™ Master Stream
Nozzle

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3428	110 (49.9kg)	24" (610 mm)	42" (1066 mm)	2 1/2" (65 mm)	2 1/2" NH (65 mm)	800	3030

Hydrant Mount 1200 GPM (4500 LPM)

2775 Hydrant Mount - Ground Legs

- Hydrant Mount permits a fixed site monitor such as the Aries™, Omega or Bronco™ to be mounted to a 2 1/2" (65 mm) hydrant port
- Height adjustment from the ground to center of the hydrant discharge is 17 1/2" (445 mm) to 28" (712 mm)
- Length: 9 1/2" from the swivel to the middle of flange
- 2 1/2" swivel inlet
- 3" (75 mm) or 4" (100 mm) flange outlet - Must specify
- Weight: 41 lbs. (18.6 kg)
- Maximum operating pressure 100 psi (7 bar)
- Maximum flow 1200 gpm (4500 lpm)



Style 2775
Shown mounted on a hydrant
with Style 3526 Omega™
Monitor (page 57) and Style
4450 Aquastream Master
Stream Nozzle

Oscillating Flange 1500 GPM (5700 LPM)

The Style 3531 Oscillating Flange has been designed, engineered, and tested to protect some of the world's most valuable assets. Its unique maintenance-free polymer bearing design, high quality material construction and superior performance make it the ideal choice for a long-term, low service solution for protecting your hazardous and harsh environments. The Style 3531 is capable of flows to 1500 gpm at an oscillation range up to 165° and is compatible with most Akron Brass manual monitors.

3531 Oscillating Flange

- Maintenance-free polymer bearing (no ball bearings)
- Totally water powered (no electrical connections)
- Heavy-duty low friction loss brass waterway
- Stainless steel water drive turbine for long life performance
- Oscillation range: 30°, 60°, 90°, 115°, 140° and 165°
- Adjustable oscillation speed: 0-40 deg. / second
- Operating pressure: 50-250 psi (3 - 17 bar)
- Maximum flow and pressure: 1250 gpm (4800 lpm) @ 250 psi (17 bar) or 1500 gpm (5700 lpm) @ 180 psi (12.5 bar)
- Inlet & outlet: 4" 150#ASA flange
- Integrated test port allows testing of the Oscillating Flange without discharging water from the monitor

Oscillation Range up to 165°

Style 3531
Patent Pending



Style 3531 Shown with
Style 3528 Omega™ XP Monitor
and Style 4461 Rampage™ Nozzle



* When Used with FM Approved
Monitor and Nozzle



Style 3356
Shown with optional Dry
Chemical Nozzle and Low
Profile Rear Inlet



Akron® Roof Turrets offer greater reliability and superior performance when second best is not an option. Akron Turrets come in a variety of roof top designs and flows, either aspirated or non-aspirated, all with easy-to-use controls from inside the truck cab. Our Turrets offer joystick control and adjustable automatic oscillation.

Trident HFRT-10

Akron Roof Turrets offer greater reliability and unmatched superior performance in situations when second best is not an option. This roof turret will deliver up to 2000 GPM (7600 LPM). To meet the demands of the industry, multiple control options and a variety of nozzle options are available. All units exceed NFPA 414 and FAA requirements.

3356 Trident HFRT-10

- Manual handwheel controls
- Flow: 350-2000 GPM (1325-7600 LPM)
- Inlet pressure of 150 psi (10 bar) non-aspirated
190 psi (13 bar) aspirated
- MAX inlet psi 250 psi (17 bar)
- Horizontal rotation up to 355°
- Vertical travel from +70° & -30°
- Inlet: 4" (100 mm) 150 lb flange (68 kg)
- Outlet: 3.5" NH (89mm)
- Proportional speed control
- One touch stow and deploy
- Obstacle avoidance
- Adjustable automatic oscillation
- Position feedback
- 12V or 24V (Must specify)
- Works with Electric MasterStream Nozzles (standard outlet)
- Painted black finish
- Durable lightweight Pyrolite® construction
- UII Control System

Optional Features:

- Integrated dual gallonage foam tubes & fog nozzles
- Cowling with lights
- Wireless remote control
- Dry chemical piggy back nozzle
- Inside the cab manual overrides
- Rear inlet (4" flange, 4"- 5" victaulic)
- Custom paint (red, white, lime yellow, black standard)



Style 3356
Trident Standard 3 1/2" Outlet
Shown with Style 5178
Akromatic™ 2000 Nozzle



STYLE 3356
Trident Shown with
Optional Integrated Dual
Gallonage Fog Nozzle



Optional Integrated
Dual Gallonage
Foam Nozzle

Optional Cowling with
Halogen Lights

DUAL FLOW Selection GPM (LPM)

	375 (1500)	500 (1900)	600 (2250)	660 (2500)	750 (3000)	1000 (3800)
Low	375 (1500)	500 (1900)	600 (2250)	660 (2500)	750 (3000)	1000 (3800)
High	750 (3000)	1000 (3800)	1200 (4500)	1320 (5000)	1500 (6000)	2000 (7600)

Electric Roof Turret



3353
3354

Electric Roof Turret

- Flows from 250 to 1000 gpm (950 to 3800 lpm)
- 180° rotation & elevation travel
- 12 or 24 volt (Must Specify)
- 4" (100 mm) flange
- 2.5" (65 mm) outlet
- Position feedback
- Durable lightweight Pyrolite® construction
- Weight: 50 lbs (22.5 kg)
- Automatic drain valve for freeze protection
- Cast-in turning vanes for efficient flows
- Joystick or switch controller available



STYLE 3354
Shown with Style 5177 Nozzle



STYLE 3353
Shown with Style 5177 Nozzle



Bumper Turrets

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

FireFox™ Electric Remote Controlled Bumper Turret

The FireFox, an all Electronic Monitor from Akron Brass, is a technologically advanced remote controlled single waterway monitor. The FireFox Monitor is designed to meet various water, foam, CAFS, and dry chemical needs. This versatile 500 GPM (1900 LPM) monitor can be used for ARFF vehicles and deicing applications.

3463 FireFox Remote Controlled Monitor

For more product information see page 42



Position indicator available



Style 3600 Wireless Remote



Style 3463 Shown with Style 3293 Mid Flow Flat Disperse Nozzle

TuckAway Electric Bumper Turret

3352 Electric Bumper Turret

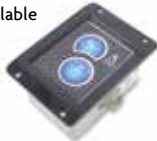
- Flows from 250 to 1000 gpm (946 to 3800 lpm)
- Cast-in turning vanes for efficient flows
- Position feedback
- Durable, lightweight Pyrolite® construction

Options

- Accepts a large variety of nozzles
- Speed control
- Position indicator



Position indicator available



Style 3600 Wireless Remote



Style 3352 Shown with Style 5177 Akromatic

Style	Weight lbs. (kg)	Height	Width	Inlet	Outlet	Flow	
						GPM	LPM
3352	37 (16.8 kg)	13 1/2" (343 mm)	11 1/4" (285 mm)	3" FL (75 mm)	2 1/2" (65 mm)	1000	3800

See Page 55, 205 for Electric Monitor Accessories



Ultra High Pressure Bumper Turret

In the new arena of ultra high pressure fire fighting, Akron Brass is introducing its Ultra High Pressure Bumper Turret. This new turret is capable of delivering 300 GPM (1140 LPM) at 1500 psi (103 bar).

3450 Ultra High Pressure Bumper Turret

- Flows 300 GPM (1140 LPM) at pressures up to 1500 psi (103 bar)
- Inlet: 2" NPT (50 mm)
- Outlet: 1.5" NH (38 mm)
- Vertical Travel: +70° & -30°
- Horizontal Travel: 180°
- 12V or 24V
- Position feedback
- Weight without nozzle 61 lbs.

Style 3450
Shown with
Style 3292 Nozzle



Nozzle Options:

Style 1417 Plain Tip w/ Style 3485 1½" Mini Shaper

Style 3292 Fog Nozzle 60 GPM (230 LPM) @ 1100 psi (76 bar)

Uses FireFox control options, see page 55, 205

Style	Weight lbs. (kg)	Height	Width	Inlet	Depth	Outlet	Flow	
							GPM	LPM
3450	61** (28 kg)	11 5/32"* (287 mm)	14 5/8"*** (372 mm)	2" NPT (50 mm)	13 5/32" (335 mm)	1 1/2" (38 mm)	300	1140

* From bottom of elevation motor to top of elevation gearbox

** Not including nozzle



Style 3600
Wireless Remote





4934





Link₂ **NEW**

The Link₂ wireless fleet information system collects critical vehicle data and reporting it to a secure web-based dashboard, you now have valuable insight into your vehicle's performance. Access your data anytime so you can be confident your vehicle is ready for the next run.

The Link₂ module connects directly to your vehicle's J1939 port and records vehicle data received from the CAN bus network. Information is captured and transmitted automatically to the Link₂ servers and viewed through the online dashboard. Receive alerts on your mobile device when your vehicle needs attention. Link₂ is compatible with all heavy duty trucks manufactured after 2001.

BENEFITS

Know Your Vehicles are Always Ready for the Next Run

Link₂ offers visibility to critical engine, fuel level, tank level, and diagnostic data. The data is automatically captured and reported via a standard Wi-Fi connection to an easy-to-use web dashboard. Link₂ helps maintenance personnel quickly and easily resolve issues to keep your fleet up and running.



6410-0000-01

Order Nos.	Description
6409-0000-01	Link2 Subscription 1 year renewal
6409-0000-02	Link2 Subscription 2 year renewal
6409-0000-05	Link2 Subscription 5 year renewal
6410-0000-01	Link2 Module only with 1 year subscription
6410-0000-02	Link2 Module only with 2 year subscription
6410-0000-05	Link2 Module only with 5 year subscription
6410-0000-91	Link2 Bundle Kit* with 1 year subscription
6410-0000-92	Link2 Bundle Kit* with 2 year subscription
6410-0000-95	Link2 Bundle Kit* with 5 year subscription

*Bundle kit includes: 10' antenna cable and connector kit

Improve Driver Safety and Performance

Use run data to enhance driver training and increase public safety. Information collected can be dissected to use as a training tool. Review runs step-by-step to help your team be more efficient while improving safety.

Convenient, Anytime Access to Your Vehicle Data

Collected vehicle data is presented on an intuitive, user-configurable dashboard for easy access anywhere in the world. Parameters can be configured for each monitored item. An e-mail alert is triggered by out-of-range parameters, letting you know exactly when your vehicle needs attention. Link₂ takes the guessing game out of cryptic engine codes so you can make informed decisions quickly.

Reduce Maintenance and Repair Costs

Link₂ can help you avoid costly unplanned maintenance and downtime. With easy access to vehicle data and email alerts, you can stay in touch with your vehicle at all times. Look and listen for early warning signs. Track daily usage to help you schedule preventative maintenance before problems develop.

Stay in Touch with Your Vehicle

View vehicle data through the Link₂ Dashboard. Understand and analyze your vehicle by utilizing the following tools:

- Alerts
- Maintenance
- Inspections
- Activity Logs and Graphs

Access your dashboard at link2dashboard.com

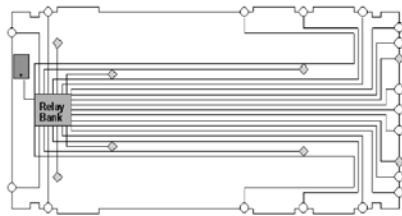




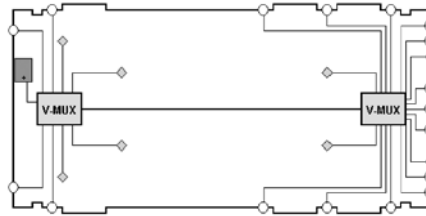
V-MUX® Multiplex Systems

Weldon, a division of Akron Brass | PH. 800.989.2718 (614.529.7230) | FAX 614.527.3547 | www.weldoninc.com

V-MUX ELECTRICAL SYSTEM SOLUTION = HARDWARE, SOFTWARE, AND SUPPORT



Traditional Wiring



V-MUX Wiring

Multiplexing is a means of transmitting multiple signals over one line.

V-MUX ADVANTAGE

Fewer wires. Traditional electrical systems have hundreds of wires running along the frame and through the cab and body. This often makes it difficult to install new components or troubleshoot existing ones. V-MUX will reduce the number of wires, reducing your labor.

Fewer splices and connectors. Fewer wires also means fewer splices and connections. Poor splicing techniques and corroded connections are two of the most common problems with traditional vehicle wiring. V-Mux reduces splices by 75% and reduces connections by 25%.

No electromechanical relays. Traditional wiring systems need to use relays for logic and output control. Relays are mechanical devices that will eventually fail. V-MUX uses solid state devices that do not wear out.

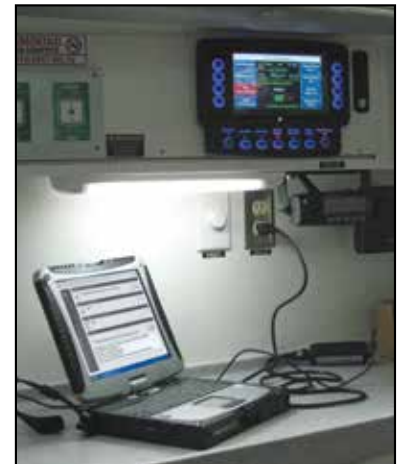
Built-in diagnostics. The laborious job of tracing electrical faults with a trouble light and volt-ohm meter is simplified by the built-in diagnostics that can be incorporated into the displays with a V-MUX System.

Dedicated factory support. The V-MUX system is supported by a world-wide, highly trained and specialized engineering group.

A long history of success. Since 1998, Weldon's V-MUX multiplexing systems have been in service in the harshest operating conditions, from Alaska to the Arabian desert.

An Enabling Technology. V-MUX allows the OEM to add more features and respond to market demands more quickly.

V-MUX integrates all systems and components; empowering the OEM to design their electrical systems using an intuitive suite of software tools.



V-MUX® MULTIPLEXING SYSTEM

V-MUX is a complete electrical control system. The power distribution units (nodes) reduce wire harness bundles and electrical control hardware. Our software introduces advanced control features not available in traditional wiring systems. The combination of hardware and software make up the V-MUX system.

Traditional Wiring



Vs.

V-MUX Wiring



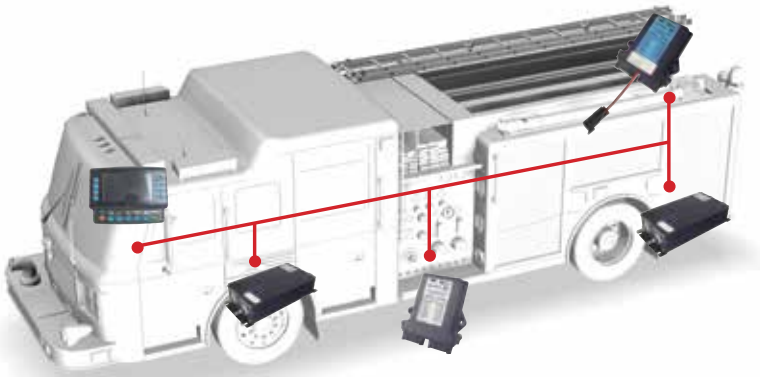
“Over the past ten years, V-MUX customers have spent less time installing their electrical systems.”

Pete Luhrs
Director of Multiplexing

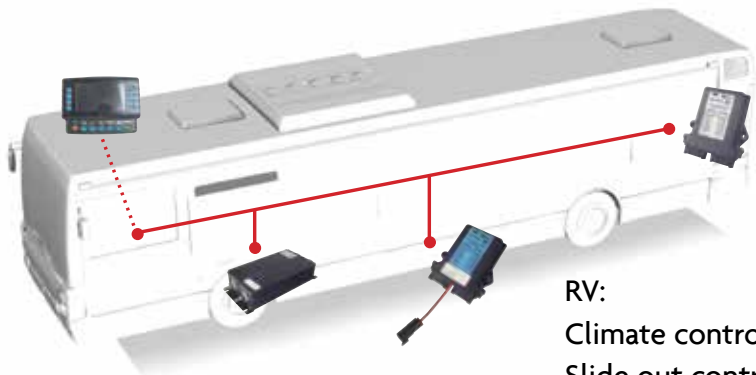


MULTIPLEXING FOR SPECIALTY VEHICLE MARKETS

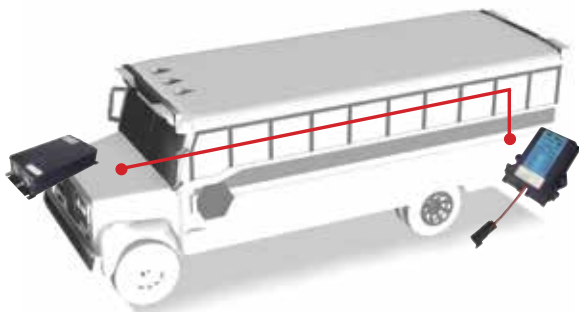
Ambulance:
 Flashers
 Climate control
 Oxygen/suction
 Dim lighting
 Cameras



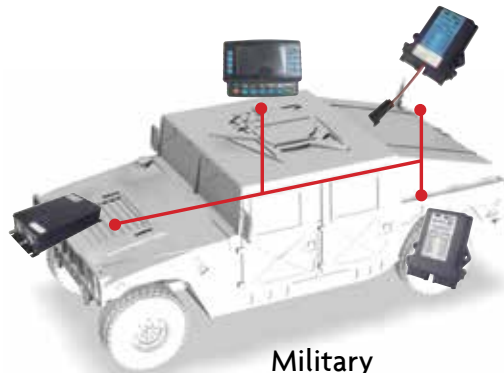
Fire:
 Load shedding
 Warning light control
 Pump controls
 Real-time diagnostics
 Vehicle data recorder



RV:
 Climate control
 Slide out control
 Chassis integration
 Lighting
 Cameras



Bus:
 Flash warning lights
 Child reminder
 Vehicle data recorder



Military
 Real-time diagnostics
 Climate control
 Black out mode
 Rugged high quality



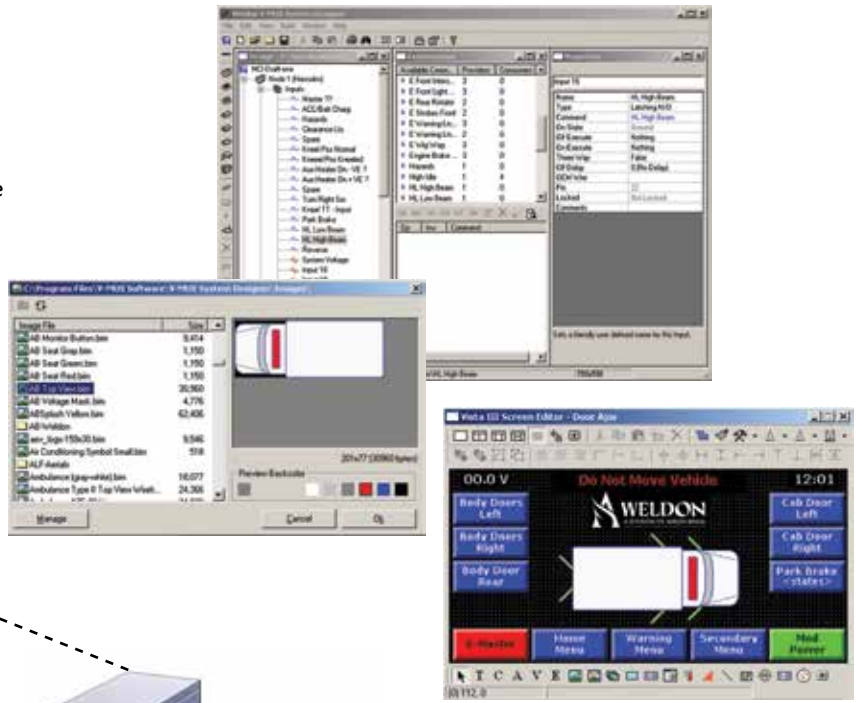
V-MUX® Multiplex Systems

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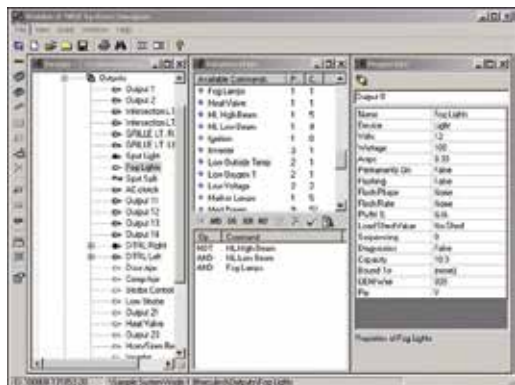
SystemDesigner® Software

The V-MUX® SystemDesigner software is an all encompassing tool that allows you to configure your electrical system from the ground up. Whether it is assigning commands to inputs, then assigning those commands to turn on outputs, then configuring the climate control, or designing attractive graphics for your application... SystemDesigner does it all!

- Allows the OEM to configure the vehicle
- User friendly Windows® based software
- Self reliant programming in the hands of the OEM
- Archive all custom designs for future use
- No need to have programmers on staff



Configure your application with our SystemDesigner software.



Compile information

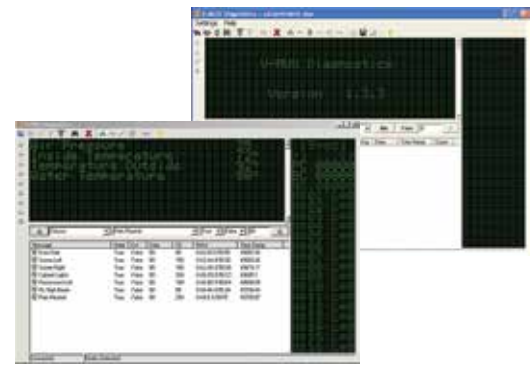


Then, download the node

V-MUX® Diagnostic Software

The V-MUX Diagnostics Software will aid you in troubleshooting your vehicle. The software will run on all Windows® based systems. We utilize USB technology to interface between your PC and V-MUX.

V-MUX software utilities, drivers, manuals, and guides are supported 24/7 at www.v-mux.com



V-MUX Downloader Software

V-MUX's Download Software provides a solution for the dealer or end user to re-flash or update the vehicle.

- Download changes or program a replacement node
- User friendly Windows® based software
- Software runs on any Windows® system





Vista IV Display

Control your lighting and HVAC with the full color Vista IV display. Now offering new features including: Optional Touch Screen with buttons, 800 x 480 resolution, Four Video Ports, Firmware update by USB. This display has a wide operating temperature range, Automatic Screen Switching in response to current conditions and Sleep Mode option to eliminate night glare. Available in panel mount or 6" arm mount.

Features:

- Touch screen option
- 800 x 480 resolution
- Four video ports
- Flash updates with USB memory stick
- Operates in 12V and 24V applications
- Virtual switches
- Display inside and outside temperature
- Automatic climate control
- 100% configurable (OEM level)
- Field re-programmable
- Peer to peer network
- On-board diagnostics / service information
- Colors change to indicate button status
- Improved sunlight readability
- Video ready for:
 - Backup camera / Thermal cameras
 - DVD
 - GPS



*Touch Screen Option
Now Available!*



6241-0130-00 Panel Mount with Bezel

Powered USB Pug



DIN Kit



Flash Updates with USB memory stick

Model Number Configuration Guide

624 A - B C D E - X X

A= Cable Accessory (1 = none; 2 = 6" Video Pig Tail; 3 = 10" Pig Tail)

B= Legend Button Colors (0=Red/Blue/Green; 1=Green/Blue/Green)

C=Touch Screen Capable (0=No; 1=Yes)

D=Finish/Enclosure (1=Standard) 2 = Sealed, 3 = Bezel, 4 = DIN

E=Mounting Method (0=Panel Mount; 1=6" Arm Mount) 2 = Open, 3 = Open, 4 = Dash

XX=Legend Label (Contact your Akron Brass Sales Rep for a current list of available legends)

Order Nos.	Description
6241-0010-00	Standard Vista IV, replaces Standard Vista III
6241-0110-00	Standard Vista IV with Touch
6241-0115-00	Rear Panel Mount Replacement For ON30-2391 & ON30-2392-00
6241-0144-00	DIN Dash Ford (F150-550 & E-Series)
6241-0144-02	DIN Dash Chevy/GMC
6241-0144-03	DIN Dash Sprinter Vans
6241-0144-04	DIN Dash Dodge RAM
6241-0130-00	Vista IV Touch Only with Bezel, Panel Mount
OK90-2310-00	Vista IV Connector Kit
OL40-2806-00	Video Pigtail (4 RCA Jacks) 6" Long
OL40-2806-01	Video Pigtail (4 RCA Jacks) 10" Long

Be sure to order 6242 or 6243 models if you want to use the Video option, these models include the OL40-2806-00 or -01 Video Pigtail.

Technical Specifications:

Operating Voltage	9-32v (12 or 24V)
Operating Temperature	-40°C to +85°C
Electrical Protection	Load dump, jump start, reverse polarity, ESD, EMI/RFI
Real-time Clock	Ten year retention
Mating Connector:	1: Comm. Hi, 2: Comm. Lo,
Deutsch DT06-4S	3: Ground, 4: Power
Startup Time	< 3 seconds





6310 Series, PODS

(Programmable On Demand Switches)

PODS are self contained, fully multiplexed switch modules. Program the controller and plug in each individual 3-Key or 4-Key Smart Switch Module. Use the 0L40-2020-00 cable assembly to daisy chain up to 16 modules. Create custom legends using the 0Q20-1736-00 die cut nylon sheet on your laser printer.

Order Nos.	Description
6310-0000-12	V-MUX Programmable Switch Controller, 12V PODS
6310-0000-24	V-MUX Programmable Switch Controller, 24V PODS
6311-0300-00	3-Key Smart Switch Module
6311-0400-00	4-Key Smart Switch Module
0Q20-1736-00	Legend Sheet, 88 per sheet
0L40-2088-00	Controller Cable Assembly for PODS 10 feet
0L40-2020-00	Module to Module Cable Assembly 10 inches
0K90-2311-00	Connector Kit PODS - kit includes all cables



Two 6311-0400-00 connected with 0L40-2020-00 cable assembly

PODs Rocker Switches

(Programmable On Demand Switches)

Order Nos.	Description
6321-0000-00	3 Position Main Module all blanks
6321-0000-01	3 Position expansion module all blanks
6330-0000-00	Demo Panel Switches - Standard Switch Panel, No Legends
0L40-2976-00	Harness Expansion Module
0L40-2995-00	Harness Main Module

Call for legends and part numbers



Standard Panel

6300 Series, Blue Touch Switch Panels

The Blue Touch Switch Panels can be used with a V-MUX system or with non multiplexed electrical systems. Create custom legends using the 0Q20-1736-00 die cut nylon sheet on your laser printer.

Order Nos.	Description
6300-0400-00	V-MUX Panel, four position
6300-0800-00	V-MUX Panel, eight position
0Q20-1736-00	Legend Sheet, 88 per sheet



6300-0400-00



6000 Series, Input / Output Node

The "Hercules" node is capable of carrying up to 120 amps of load at high temperatures. For years, this module has been the work horse of thousands of V-MUX systems. Newly designed power studs with molded flanges prevent rotation when terminals are overtightened, and provide added protection against water intrusion. All of the Inputs and Outputs are configurable by the OEM.

- Operates in 12V and 24V applications
- Sealed enclosure
- Sealed deutsch connectors
- Corrosion proof
- High capacity
- A & B communication ports
- LED status indicators
- Field re-programmable
- 16 digital inputs
- 3 analog inputs
- 24 positive outputs
- 2 ground outputs
- Control the (OU10-0715-00) VF display



6000-0000-04

Order Nos.	Description
6000-0000-04	V-MUX Hercules Node
0K90-2280-00	Connector Kit Hercules

6030 Series Input / Output Node

The 8x16 node has 6 Digital and 2 Analog inputs; each input is programmable. The node contains 16 outputs, 14 of which are high side 10.5 amp channels and two are low side 4 amp channels.

- Operates in 12V and 24V applications
- Sealed enclosure
- Sealed deutsch connectors
- A & B communications ports
- LED status indicators
- Field re-programmable
- 6 digital inputs (VBatt or Ground)
- 2 analog inputs (can also be used as VBatt switch)
- 14 positive outputs
- 2 ground outputs



6030-0000-00

Order Nos.	Description
6030-0000-00	V-MUX 8X16 Node
0K90-2286-00	Connector Kit for 8x16 Node

6010 Series, Input / Output Mini Node

The 6010 "mini" Node has four independently programmable switch inputs, one analog input and twelve 7.5 amp output channels.

- Sealed deutsch enclosure and connectors
- Corrosion proof
- Compact size
- A & B communication ports
- LED status indicators
- Field re-programmable
- 4 digital inputs
- 12 positive outputs
- Control the (OU10-0715-00) VF display



6010-0000-00

Order Nos.	Description
6010-0000-00	V-MUX Mini Node
0K90-2281-00	Connector Kit for 6010 Node



V-MUX® Multiplex Systems

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6020 Series, Input Node

The Input Node has 16 independently programmable switch inputs. Each input can be used for door interlocks, dash switches and switch-type sensors. This Input Node can interface with the VFD Display (0U10-0715-00)

- Operates in 12V and 24V applications
- Sealed deutsch enclosure and connectors
- Corrosion proof
- Compact size
- A & B communication ports
- LED status indicators
- Field re-programmable
- 16 digital inputs
- Control the (0U10-0715-00) VF display



6020-0000-00

Order Nos.	Description
6020-0000-00	V-MUX Input Module, 16 input
0K90-2282-00	Connector Kit for 6020 and VDR

Seat Belt Warning System

The Seat Belt Warning System addresses your safety concerns. Designed to alert the driver, the Seat Belt module will indicate when restraints of occupied seats are properly fastened keeping personnel safe. The 6204 Series meets NFPA 1917 requirements for your ambulance. Simple & reliable, the Seat Belt Warning System is based on the patented and proven V-MUX® multiplexing technology.

- Low profile, compact size
- Supports commercial and custom cab seating layouts; up to 10 seats
- Dimming feature adjusts indicator intensity to synchronize with dash lights
- Integrated door open indicator
- Built-in audible alarm will sound when Seat Belt Indicator display is red & parking brake is released
- Choose from display with door and warning ICONS or just seats
- Standard 4 year warranty
- Use the 6020 node as an entry point system - upgrade to the optional 6444 Vehicle Data Recorder (VDR)



6204-0014-01



6204-0024-01

Order Nos.	Description
6204-0014-00	Ambulance Seat Indicator w/Door Ajar - Analog Backlight
6204-0014-01	Ambulance Seat Indicator w/Door Ajar - Digital Backlight
6204-0024-00	Ambulance Seat Indicator - Analog Backlight
6204-0024-01	Ambulance Seat Indicator - Digital Backlight

Occupant Restraint Indicator

The Occupant Restraint Indicator module works in conjunction with the 6444 Series Vehicle Data Recorder to indicate passenger location and safety equipment status to the driver per NFPA 1901 requirements. The 6204 indicator includes audible and visual warning of unsafe occupant conditions. The Occupant Restraint Indicator works with your vehicle's V-MUX multiplexing system utilizing the Vista display.

- Low profile, compact size
- Supports commercial and custom cab seating layouts; up to 12 seats
- Dimming feature adjusts indicator intensity to synchronize with dash lights
- Built-in audible alarm
- Use in conjunction with Vehicle Data Recorder (VDR)



6204-0000-00



Order Nos.	Description
6204-0000-00	Occupant Restraint Indicator - Analog backlight interface
6204-0000-01	Occupant Restraint Indicator - Digital backlight interface
0K90-2783-00	Connector kit for Occupant Restraint Indicator



Vehicle Data Recorder (VDR) / Gateway

The Vehicle Data Recorder collects essential data and can easily be interfaced with V-MUX Multiplex System. Reviewing the information is made easy with an intuitive computer application. The VDR is NFPA 1901-2009 compliant.

- Recorded Data Includes: Vehicle Speed, Acceleration, Deceleration, Engine Speed, Engine Throttle Position, ABS Event, Seat Occupied Status, Seat Belt Status, Master Optical Warning Switch, Park Brake, Service Brake, Time, and Date
- Password protected by the customer
- Six (6) seat position inputs for occupied Seats and belts buckled. Additional six (6) seat expansion module available (p/n 6020-0000-00)
- Use as a V-MUX Gateway node and input node
- Data is extracted via USB
- Use in conjunction with the Occupant Restraint Indicator or V-MUX™ Multiplex System



Order Nos.	Description
6444-0000-00	Vehicle Data Recorder (VDR)
0L40-2597-00	Download Cable -USB to Deutsch
0K90-2282-00	Connector Kit for 6020 and VDR

ON70 Climate Control Module

Use this module with Vista IV display node for fully automated climate control system.

- Dedicated node specifically for climate control
- Control two fans, AC Compressor, condenser, evaporator switches and other interlocks
- Use this module with a Vista III display node for a fully automated climate control system



Order Nos.	Description
ON70-1519-03	Climate Controller Fahrenheit
ON70-1519-04	Climate Controller Celsius
0K90-2763-00	Connector Kit Climate Module

OR13 Series, Temperature Sensor

This sensor is used to report interior or exterior temperature. This data can be displayed, reported or used for A/C, heat, ice warning or other automatic functions.



Order Nos.	Description
OR13-0614-00	V-MUX Temperature Sensor, 3 wire
OR13-2557-00	V-MUX Temperature Sensor, 2 wire

OR00 Hall Effect Current Sensor

Easily integrate battery charge/discharge readings into the V-MUX system with this stand alone unit. (The shunt interface module is not needed for this sensor.)



Order Nos.	Description
OR00-2306-00	V-MUX Hall Effect Current Sensor +/- 300
OR00-2306-01	V-MUX Hall Effect Current Sensor, +/- 200
0L40-2355-00	Interface Harness, Hall Effect

V-MUX VFD Display

Two-line, twenty character text display is capable of showing a wide range of data from the V-MUX System. Directly runs off any V-MUX I/O node.

Examples of text:

- Display on command "Set Park Brake"
- Display diagnostics codes
- Display warnings - "ice" or "door ajar"
- Programmable messaging



Order Nos.	Description
OU10-0715-00	V-MUX VFD Display

Call for specification details



V-MUX® Multiplex Systems

6500 Series, Backup Camera Kits

The Vista III can be programmed to automatically switch to the camera image when in the backup mode.

The camera can also be used to monitor interior and exterior activity. Rear view or flush mount side view available

Order Nos	Description	Housing Color
6500-0000-00	V-MUX Camera, color video out, rear view mount	White
6500-0000-01	V-MUX Camera, color video out, rear view mount	Black
6501-0000-00	V-MUX Camera, black & white video out, left mount	White
6502-0000-00	V-MUX Camera, black & white video out right mount	White
6503-0000-00	V-MUX Camera, black & white video out, left mount	Chrome
6504-0000-00	V-MUX Camera, black & white video out right mount	Chrome
6505-0000-00	V-MUX Camera, black & white video out, left mount	Primer
6506-0000-00	V-MUX Camera, black & white video out right mount	Primer
6507-0000-00	Camera Kit, Color, Rear, 12/24V, with stainless steel bracket	Black/ Stainless
0L40-2032-00	25 ft shielded cable for 6500 camera	
0L20-2758-00	25 ft shielded cable for 6507 Camera	
0L20-2758-01	50 ft shielded cable for 6507 Camera	



6501-0000-00



6500-0000-00



6507-0000-00





Navigation GPS

6555-0000-00

The Weldon Navigation GPS has easy to use menus and is a Windows CE product we adapted to be a solid Navigation product to interface with the Vista Displays. Easily updated using the supplied SD Card from the GPS unit. New updates can be downloaded from your PC.

Features:

- Simple to use
- Interfaces with the Vista touch (III and IV)
- Replaces the Garmin GVN-53
- Practically drop in (same pin-outs on the Vista)
- Cost effective
- Fast performance
- Louder speaker



Download App Updates



Screen Shot



Map Screen Shot

6131 Series, Field Service Kit - Includes Remote Diagnostics

The V-MUX® Diagnostics kit will aide you in troubleshooting your vehicle, downloading changes or programming a replacement node. The software will run on Windows 2000, XP and Windows Vista. Software updates can be obtained on our website. For assistance with remote diagnostics, download the manual from the website at www.v-mux.com.

Kit Includes:

- Carrying case
- One-on-one cables for nodes
- Deutsch wire removal tool, 14-16 gauge wire (blue)
- Deutsch wire removal tool, 18-20 gauge wire (red)
- Cable, RS232 9 pin serial PC to transceiver
- Cable, RS485 transceiver to V-MUX
- Cable, troubleshoot Hercules outputs, (red)
- Cable, troubleshoot mini node outputs (black)
- Downloader manual, PDF
- Diagnostics manual, PDF



Order Nos.	Description
6131-0000-00	V-MUX Kit, Diagnostics, USB/Downloader

Modem Transceiver

6120-0000-00

Allows for remote interface with a V-MUX System from anywhere in the World! Now, technicians can make changes to a V-MUX equipped vehicle from near or far with the Modem Transceiver. This module allows connection to a vehicle by using a computer equipped with a modem, and a phone line. The module resides in the vehicle, allowing the user to plug the module into the nearest phone line allowing the diagnostic center to dial into the truck from your computer modem.

- OEMs can modify or reprogram modules to meet changing needs of their customer
- Dealers can re-flash stock replacement modules at remote stations
- End users do not need to travel long distances to diagnose electrical issues
- Everyone can troubleshoot using the modem and Weldon's diagnostics software;
- Diagnostics software is available for download at www.v-mux.com



Order Nos.	Description
6120-0000-00	V-MUX Modem Transceiver
0L40-2677-00	Modem Harness



Light Bars & Roof Top Lighting

Aero-Maxx® II NFPA Lightbars



9188-1559-00

9188-1500 Series

This lightbar meets NFPA 1901 upper Zone "A" requirements for both clearing and blocking modes. When combined with our versatile Diamondback perimeter warning lamps and LED beacons, a 100% NFPA certified Weldon warning lamp package can be provided! Permanent lightbar is standard with mounting hardware optional. Lightbar gutter mounting kits available separately.

- Intense LED lightheads provide a wide output coverage area exceeding NFPA requirements
- Rugged aluminum chassis and impact resistant polycarbonate lenses provide excellent durability in harsh environments
- Cover lenses available in clear or colored configurations to match the LED
- Slotted mounting bolt channels provide flexible mounting options
- Serviceable lenses, lightheads and controller allow long-term maintenance of the product
- Additional options include: arrow stick, take-down and alley lights

Order Nos.	Description
9188-1524L-00*	24" length, R/W/W forward; R/R outboard left
9188-1524R-00*	24" length, W/W/R forward; R/R outboard right
9188-1549-00	49" length, R/R/R/W/W/R/R/R front; R/R each side
9188-1554-00	54" length, R/R/R/W/W/W/R/R/R front; R/R each side
9188-1559-00	59" length, R/R/R/W/W/W/W/R/R/R front; R/R each side
9188-1572-00	72" length, R/R/R/W/W/W/W/R/R/R front; R/R each side
OJ90-2637-01	Mtg Bracket Kit, Ford 1/2T
OJ90-2637-02	Mtg Bracket Kit, Ford 3/4 to 1T
OJ90-2637-03	Mtg Bracket Kit, GM/Dodge 1/2T to 1T
OC20-2769-XX	Replacement Lenses (Short lens)
OC20-2770-XX	Replacement Lenses (Long lens)
OC20-2771-XX	Replacement Lenses (End lens)

* For split aerial applications



Mounting Bracket
OJ90-2637-03



Diamondback™ Lightbars

The Diamondback lightbar utilizes our popular V37 Diamondback LED lamps to provide an unsurpassed warning signal for the vehicle. Available in body mount and roof mount configurations. Halogen scene/loading lights, strobe heads and DOT lighting can be incorporated into the lightbar using our 3800 Series lamps. The lightbar body is constructed of clear anodizing extruded aluminum providing excellent durability and corrosion protection.

- LED - low amp draw
- Integrated flasher
- Body or roof mount (Must specify)
- Split bar configurations for aerials
- Straight, angle or wrap-around styles available



Order Nos.	Description
V3702-5935-00	8 Diamondback lightbar, R/R/SC/A/A/SC/R/R
V3702-6738-00	9 Diamondback lightbar, R/R/R/R/W/R/R/R/R
V3702-7434-00	10 Diamondback lightbar, R/R/R/R/W/W/R/R/R/R
V3713-8536-00	16 Diamondback wrap-around lightbar, red/wh

Custom configurations based on V34, V37 and 3800 Series Lamps available



3900 Series Light Bars

- LED - low amp draw
- Integrated flasher
- Body or roof mount
- Split bar configurations for aerials
- Straight, angle or wrap-around styles available



3901-5903-00



3901-1604-00

Order Nos.	Description
3901-1604-00	LED, 2 lamp, roadside, red
3901-1605-00	LED, 2 lamp, curbside, red
3901-5903-00	Lightbar, 8 lamp
3902-7408-00	All LED, 10-lamp, all red
3902-7411-00	LED/halogen, 10-lamp, ems front, R/R/R/R/Ch/Ch/R/R/R/R
3902-8813-00	LED/scene, 12-lamp, ems rear, R/R/R/R/Sc/A/A/Sc/R/R/R/R
3902-8816-00	LED/halogen, 12-lamp, ems front, R/R/R/R/R/Ch/Ch/R/R/R/R/R
3910-7202-00	All LED, 14 lamp, red wrap around
3913-7218-00	All LED, 12-lamp wrap-around design, all red
3913-8501-00	All LED, 16-lamp wrap-around design, all red

Note: R=Red, C=Clear, A=Amber, Ch=Clear Halogen, Sc=Scene

7150 - 7160 Series LED Beacon

This high power LED beacon is perfect for upper rear warning applications. The lamp can be surface mounted or pole mounted. In addition to the red and amber, the LED Beacon is also now available in white, blue & green.

- Eight 3 watt high power LEDs create an intense, attention grabbing signal
- Engineered reflector optics direct light efficiently into the required pattern
- Lamp includes 15 selectable flash patterns
- Coated die-cast aluminum housing protects against corrosion
- Replaceable lens cover provides lamp serviceability
- Engineered for 12 and 24 V applications
- 5 Year Warranty



7150-7160-10

Part Number	Description	SAE J1318
7150-7160-10	Red LED Beacon	Class 1
7150-7160-20	Amber LED Beacon	Class 1
7150-7160-30	White LED Beacon	Class 1
7150-7160-40	Blue LED Beacon	Class 1
7150-7160-50	Green LED Beacon	Class 1

7110 Series 360° Roof Top Strobes

Our conventional strobe lamp series features a high-heat, impact resistant polycarbonate lens. The Fresnel optics provide an SAE J1318 Class 2 compliant signal. The tough polycarbonate base is corrosion resistant for years of worry-free service.

- Polycarbonate lens with Fresnel optics
- Replaceable helical strobe tube
- Easy three-screw mounting
- SAE J1318 Class 2 compliant

Order Nos.	Description	SAE J1318
7110-0000-XX	360 Strobe Assembly	Class 2

xx denotes (-10 red), (-20 amber), (-30 clear)



7110-0000-10



Warning Lighting

Diamondback™ V-LED Perimeter Warning Lamps

With incredible brightness, unmatched directional visibility, customized flash and styling flexibility, and unique serviceability; the new patented Diamondback V-LED Perimeter Warning Lamp is loaded with powerful innovations that deliver unprecedented performance!

Exclusive Features:

- Exceeds industry requirements (NFPA, SAE, KKK-A-1822)
- High impact polycarbonate lens with scratch and haze resistant hard-coating provides a lifetime of durability and clarity
- Flush mount design utilizes only four screw holes and a wire exit hole in vehicle. Mounting pattern is common with most competitive lamps.
- Injection molded mounting pad is integrated with lamp head
- Four-wire lamp hook-up (power, ground, sync, and secondary enable wires)
- Chrome trim bezel option with injection molded gasket
- 12 and 24V operation
- Protected against reverse polarity, ESD, and transient voltage spikes (J1113-11)
- Fully tested for RF interference and susceptibility
- 5 year warranty

Lamp Configuration:

- Available in 2"x6", 3"x4", 3"x7", 4"x6", & 7"x9"
- Independently controlled LED segments allow for unmatched flash pattern options (left/right, up/down, x-pattern, chasing, and many more)
- Unmatched styling flexibility through the use of colored and colorless optical elements
- Lamp is completely reconfigurable via wireless download without removing lens or lamp from vehicle

Split Scene Lamp Option:

Add a scene lamp section to your Diamondback warning lamp. When used on lower level warning lamps, this feature provides the right amount of ground illumination near the apparatus. To equip your Diamondback with this feature, configure your Diamondback warning lamp as normal and add the following custom modifier to the end of the part number:

- 0006 Horizontal Split, Scene Lamp on Bottom
- 0007 Vertical Split, Scene Lamp on Right
- 0008 Vertical Split, Scene Lamp on Left

Example: V37W-C1HRW-0006 is a horizontal red (with red optics)/white split scene lamp section located at the bottom of the lamp.

Note, the scene lamp function powers "ON" with the warning lamp. You cannot control each section independently. See page 101 for sample part number configurations.

Diamondback™ surface mount scene lights available, See page 126.



Patented V-LED design allows replacment of LEDs



V46W-C00R
Shown with Bezel OB80-2336-00



V46W-C10R
Shown with Bezel OB80-2336-00



V46W-R
Shown with Bezel OB80-2336-00



V37W-C1HRW-0006

IR Programmer

ON60-2508-00

IR Programmer for use with Diamondback warning lights. The IR Programmer allows for a quick and wireless way to re-configure all Diamondback flash patterns on your vehicles.

Order Nos.	Description
ON60-2508-00	Diamondback Wireless Programming Device



IR Programmer for Diamondback™ Lights
ON60-2508-00



Diamondback™ LED Perimeter Warning Lamps



2"x 6"



3"x 4"



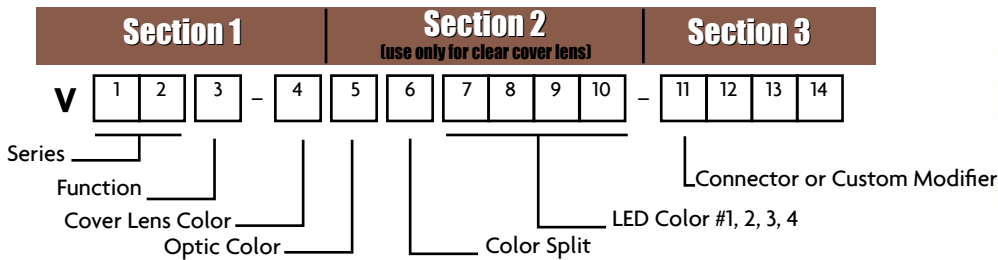
3"x 7"



4"x 6"

See page 20 for sample part numbers
Lamps shown with Bezels - ordered separately.

Model Number Configuration Guide



7"x 9"

Section 1

1	2	Series	3	Function	4	Cover Lens Color
3	4	3" x 4"	W	Warning	R	Red
3	7	3" x 7"	S	Scene	A	Amber
4	6	4" x 6"			C	Clear
7	9	7" x 9"			B	Blue

If Cover Lens Color is "C" Use Section 2; otherwise skip directly to section 3

Section 2

5	Optic Color	6	Color Split	7	8	9	10	LED Color #1	LED Color #2	LED Color #3	LED Color #4
0	Clear	0	None	1	1	1	1	R	Red		
1	Matches LED Color	H	Horizontal	1	1	2	2	A	Amber		
		V	Vertical	2	2	1	2	W	White		
		X	"X"	1	2	1	2	B	Blue		
		Q	Quad	1	2	2	1	G	Green		
			Only applies to clear cover lens								

Only applies to clear cover lens

Section 3

11	Connector	11	12	13	14	Custom Modifier for Warning/Scene Lamps
1	Delphi	0006				Horizontal Split, Scene Lamp on Bottom
2	Deutsch	0007				Vertical Split, Scene Lamp on Right
3	Amp	0008				Vertical Split, Scene Lamp on Left
0	None					

Sample Diamondback Part Numbers

Order Nos.	2" X 6" * Diamondback (DB) Descriptions	CTN
V26W-C00A	2X6 DB Amber LEDs W/ Clear Lens, Clear Optics	6
V26W-C00W	2X6 DB White LEDs With Clear Lens, Clear Optics	6
V26W-C0VRW	2X6 DB, Red/White LEDs, Vert Split, Clear Optics	6
Order Nos.	3" x 4" ** Diamondback (DB) Descriptions	CTN
V34W-R	3X4 DB Red LEDs W/ Red Lens	6
V34W-C00W	3X4 DB White LEDs With Clear Lens, Clear Optics	6
V34W-C0HRW	3X4 DB Red/White LEDs, Horiz Split, Clear Optics	6
Order Nos.	3" x 7" Diamondback (DB) Descriptions	CTN
V37W-A	3X7 DB Amber LEDs W/ Amber Lens	6
V37W-C00R	3X7 DB Red LEDs W/ Clear Lens, Clear Optics	6
V37W-C0HRA	3X7 DB Red/Amber LEDs, Horiz Split, Clear Optics	6
Order Nos.	4" x 6" Diamondback (DB) Descriptions	CTN
V46W-R	4X6 DB Red LEDs W/ Red Lens	6
V46W-C00W	4X6 DB White LEDs With Clear Lens, Clear Optics	6
V46W-CIHRB	4X6 DB Red/Blue LEDs, Horiz Split, Colored Optics	6
Order Nos.	7" x 9" Diamondback (DB) Descriptions	CTN
V79W-B	7X9 DB Blue LEDs W/ Blue Lens	6
V79W-C00W	7X9 DB White LEDs With Clear Lens, Clear Optics	6
V79W-CIHRA	7X9 DB Red/Amber LEDs, Horiz Split, Colored Optics	6

Sample Diamondback Warning/Scene Part Numbers

Order Nos.	Diamondback Warning/Scene Combination Lamps	CTN
V37W-CIHRW-0006	DB, 3x7, H split, red optic warn top/scene bottom	6
V46W-C0HRW-0006	DB, 4X6, H split, red warning top/scene bottom	6
V79W-C0VRW-0007	DB, 7X9, V split, red warn left/scene right	6

H= horizontal split, V= vertical split.
Many options available in 3x7, 4x6, and 7x9 sizes.

Order Nos	Service Parts for Diamondback Series	CTN
0B80-2495-00	Chrome Bezel Kit for 2"X6" Diamondback Lamps	6
0B80-2334-00	Chrome Bezel Kit for 3"X4" Diamondback Lamps	6
0B80-2335-00	Chrome Bezel Kit for 3"X7" Diamondback Lamps	6
0B80-2336-00	Chrome Bezel Kit for 4"X6" Diamondback Lamps	6
0B80-2337-00	Chrome Bezel Kit for 7"X9" Diamondback Lamps	6
0C20-2408-xx	V26 replacement cover lens	6
0C20-2191-xx	V34 replacement cover lens	6
0C20-2170-xx	V37 replacement cover lens	6
0C20-2177-xx	V46 replacement cover lens	6
0C20-2184-xx	V79 replacement cover lens	6

Note: Denote xx (-10) red lens, (-20) amber lens, (-30) clear lens, (-40) blue lens, (-70) green

* V26W available in vertical split (left/right) only
** V34W available in horizontal split (top/bottom) only



N T W



3800 / 4600 / 7800 Series Warning Lamps

Weldon's 3800, 4600, and 7800 series warning lamps are available in LED, Halogen or Strobe. The lens and reflector are sealed eliminating the problems of dust and moisture infiltration. All versions are available as a panel mount, or with a chrome trim flange. The LED versions contain a triple seal mating connector. The Halogen versions use an automotive style twist and lock socket that allows for easy, off-the-shelf bulb service.

LED Warning Lamps

- Superior light output
- Low amp draw
- Sealed lens and housing
- Sealed, integrated connector
- Operates in 12V and 24V applications
- Panel or chrome flange mount
- 5 year warranty

Order Nos.	Description	Amp Draw 12 V	Amp Draw 24V	CTN
3871-1000-xx	3" X 7" LED warning, panel mount	0.8	0.42	6
3872-1000-xx	3" X 7" LED warning, bezel mount	0.8	0.42	6
4671-1000-xx	4" X 6" LED warning, panel mount	0.9	0.35	6
4672-1000-xx	4" X 6" LED warning, bezel mount	0.9	0.35	6
7871-1000-xx	7" X 9" LED warning, panel mount	2.3	1.18	6
7872-1000-xx	7" X 9" LED warning, bezel mount	2.3	1.18	6

Note xx Denote (-10) red lens, (-20) amber lens, (-30) clear lens, (-40) blue lens



3871-1000-10



4672-1000-20

7701 Series, LED Flasher / Controller Module

This module is designed for (12) 3"x7" or 4"x6" lamps per channel, or (6) 7"x9" lamps. This flasher defaults to quad-pulse alternating flash on A-B vs. C-D on power up. Wig-wag forces the flasher into a steady alternating flash regardless of the enable connection.

- 3 different flash patterns: Quad, Wig Wag, and Random (Random has 7 different flash patterns)
- Potted internal components
- 16 Amp terminal load

Order Nos.	Description
7701-0000-00	LED controller

7701-000-00
Trademark Registration No. 2,562,962



3800 / 4600 / 7800 Series Warning Lamps

Halogen Warning Lamps

- Sealed lens and reflector
- No moisture or dirt issues
- Twist and lock socket out the back for easy bulb replacement
- Split lens color options available for 3800 series
- Panel or chrome flange mount
- 12V operation

Order Nos.	Description	Amp Draw 12 V	CTN
3811-0000-xx	3" X 7" Halogen warning, panel mount	4.2	6
3812-0000-xx	3" X 7" Halogen warning, bezel mount	4.2	6
4611-0000-xx	4" X 6" Halogen warning, panel mount	4.2	6
4612-0000-xx	4" X 6" Halogen warning, bezel mount	4.2	6
7811-0000-xx	7" X 9" Halogen warning, panel mount	4.2	6
7812-0000-xx	7" X 9" Halogen warning, bezel mount	4.2	6

Note xx Denote (-10) red lens, (-20) amber lens, (-30) clear lens, (-40) blue lens
3800 Split lens options (-13) LH red/clear, (-31)RH clear/red; (-14) LH red/blue, (-41) RH blue/red; (-21) LH amber/red, (-12) RH red/amber; (-24) LH amber/blue, (-42) RH blue/amber; (-43) LH blue/clear, (34) RH clear/blue.



7812-0000-20



4611-0000-10

Service Parts for LED & Halogen, See page 104
See page 104 for Flashers



Warning Lighting

7301 Series, Ambulance Flasher

This solid-state, heavy-duty flasher is packaged in a compact glass-filled nylon case. The unit measures only 1.90" h x 3.50" w x 4.75" d. The module is fully sealed with epoxy, completely impervious to dirt and moisture.

- Isolated terminals – prevents accidental shorts
- Program up to three lamps per channel
- Easy interchange with competitive models
- Complies with GSA-KKK Specification



7301-0000-00

Order Nos.	Description	CTN
7301-0000-00	Ambulance flasher, solid state, heavy-duty	10

3800 / 4600 / 7800 Series Warning Lamps

Strobe Warning Lamps

- Sealed lens and reflector
- No moisture or dirt issues
- Panel or chrome flange mount
- Split lens color options available for 3800 series
- Operates in 12V or 24V applications

Order Nos.	Description	Amp. Draw	CTN
3821-0000-xx	3" X 7" Strobe warning, panel mount	*	6
3822-0000-xx	3" X 7" Strobe warning, bezel mount	*	6
4621-0000-xx	4" X 6" Strobe warning, panel mount	*	6
4622-0000-xx	4" X 6" Strobe warning, bezel mount	*	6
7821-0000-xx	7" X 9" Strobe warning, panel mount	*	6
7822-0000-xx	7" X 9" Strobe warning, bezel mount	*	6

*Amp draw varies based on power supply used.



3821-0000-12

Note xx Denote (-10) red lens, (-20) amber lens, (-30) clear lens, (-40) blue lens
 3800 Split lens options (-13) LH red/clear, (-31)RH clear/red; (-14) LH red/blue, (-41) RH blue/red;
 (-21) LH amber/red, (-12) RH red/amber; (-24) LH amber/blue, (-42) RH blue/amber;
 (-43) LH blue/clear, (34) RH clear/blue.

3800, 4600, 7800 Series Service Parts

Order Nos.	Service Parts – Lamp Heads	CTN
0E22-0327-00	Repl. Bulb #795, Halogen	100
0K90-0336-00	Repl. Socket, single contact	10
0C90-1028-xx	Repl. Hal. lens/reflector assembly 3"X7"	6
0M10-1328-xx	Repl. Strobe head assembly 3"X7"	6
0C90-0350-xx	Repl. Hal. lens/reflector assembly 4"X6"	6
0M10-1330-xx	Repl. Strobe head assembly 4"X 6"	6
0C90-1138-xx	Repl. Hal. lens/reflector assembly 7"X 9"	6
0M10-1428-xx	Repl. Strobe head assembly 7"X 9"	6

Note xx Denote (-10) red lens, (-20) amber lens, (-30) clear lens, (-40) blue lens
 3800 Split lens options (-13) LH red/clear, (-31)RH clear/red; (-14) LH red/blue, (-41) RH blue/red;
 (-21) LH amber/red, (-12) RH red/amber; (-24) LH amber/blue, (-42) RH blue/amber;
 (-43) LH blue/clear, (34) RH clear/blue.



4621-0000-10



7822-0000-40

Order Nos.	Service Parts – Bezels and Gaskets	CTN
0B53-1016-00	3" X 7" Chrome bezel	6
0D30-1026-00	3" X 7" Mounting pad, bezel mount	6
0D10-1025-00	3" X 7" Gasket between lamp and bezel	6
0D30-1027-00	3" X 7" Mounting pad, panel mount	6
0B53-0333-00	4" X 6" Chrome bezel	6
0D30-0377-00	4" X 6" Mounting pad, bezel mount	6
0D10-0334-00	4" X 6" Gasket between lamp and bezel	6
0D30-0385-00	4" X 6" Mounting pad, panel mount	6
0B53-1125-00	7" X 9" Chrome bezel	6
0D30-1136-00	7" X 9" Mounting pad, bezel mount	6
0D10-1135-00	7" X 9" Gasket between lamp and bezel	6
0D30-1137-00	7" X 9" Mounting pad, panel mount	6



7400 Series, Strobe Power Systems

For new or retrofit applications. Power supply for NFPA or GSA-KKK vehicles. User-selectable flash patterns: dual, quad or random flash patterns. Three wire, shielded heavy-duty strobe cable offers connectors installed and is available in various lengths. Operates in 12V or 24V applications.

ORDER NOS.	Description
0L90-0979-06	Cable, strobe, 6' w/connector
0L90-0979-12	Cable, strobe, 12' w/connector
0L90-0979-20	Cable, strobe, 20' w/connector
0L90-0979-30	Cable, strobe, 30' w/connector
7404-0060-00	Strobe pack, 4-channel 60w
7414-0090-00	Strobe pack, 4-channel 90w



8401-0000-20, LED Door Warning Lamp

Weldon's 8401 Door Warning Lamp is an ideal auxiliary door warning light for your emergency vehicle application. Mounted on your apparatus doors, the light strip contains LEDs and specialized optics to emit an amber light flashing pattern that directs traffic away from the doors when open. Enhancing safety and effectiveness, Weldon engineers designed the optics specifically to throw the light away from the operators' eye and toward approaching traffic.

- Length: 16" Height: 3/4" Depth: 5/8"
- 15 traffic directing amber LEDs
- Sealed construction for excellent moisture protection
- Voltage: 12 V (.09 amp draw)

Order Nos.	Description	Amp Draw 12V	CTN
8401-0000-20	Door warning lamp, amber	.09	100





Warning Lighting

1020-9000 Series, 7" V-LED Warning Lamp

Weldon introduces a new revolutionary V-LED Warning Lamp which combines advanced electronics plus a conventional idea of just replacing a broken lens. Designed with serviceability in mind, the new warning light can be disassembled to change the lens or upgrade LED's, eliminating the need to replace the entire light. The 1020-9000 Series light provides industry leading thermal management, low current draw and lower long-term cost than ordinary lights. No other 7" LED Warning Light offers "service made easy" with upgradeable LED technology!

- Exclusive patented V-LED technology for superior thermal efficiency and excellent brightness
- Utilizes only 8 high-power LED's for optimal output intensity, fully illuminating the entire lens
- Cover lens is replaceable
- LED's are serviceable/upgradable
- Standard lead wires allow flexibility to add the connector of choice
- Exceeds SAE J887 requirements - DOT (FMVSS108) compliant
- Strobing and standard flash in one lamp
- Instant on for improved visibility and safety
- No switch mode regulation - eliminates radio interference
- Advanced lens design for maximum optical performance
- 5 year warranty

Order Nos.	Description	Amp Draw 12V	CTN
1020-9000-10	7" LED serviceable red Warning	1.0	12
1020-9000-20	7" LED serviceable amber Warning	1.5	12
1020-9030-xx	7" Serviceable LED Warning Lamp, AMP 250 Series connector	1.0 red 1.5 amber	12
1020-9090-xx	7" Serviceable LED Warning Lamp, Single AMP Univ Mate-N-Lok connector	1.0 red 1.5 amber	12

xx denotes (-10 red) or (-20 amber)

Order Nos.	Service Parts	CTN
OC20-2312-XX	Cover lens for 1020-9000	12
OC10-2313-00	Inner lens for 1020-9000	12
OD10-2316-00	Lens gasket	12
OD10-1977-00	Mounting gasket	12
OE30-2262-12	12 pack V-LED kit, red	1
OE30-2262-23	12 pack V-LED kit, amber	1
1021-0000-00	Visor for 1020	120



1020-9000-10



1020-9000-20



Connector for the 1020-9030 & 1020-5030



Connector for the 1020-9090 & 1020-5090



Patented V-LED design allows replacement of LEDs

1020-5000 Series LED Warning Light

1020-5000

Weldon introduces a new high-brightness LED Warning Light which combines advanced electronics and efficient optical elements. The warning lamp includes five state-of-the-art high power LEDs that project an intense signal. The 1020-5000 Series light provides industry leading thermal management, low current draw and lower long-term cost than ordinary lights.

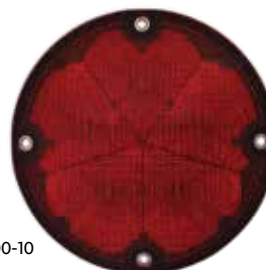
- Utilizes 5 high-power LED's for optimal output intensity
- Dual lenses efficiently distribute the light from the LEDs, fully illuminating the entire lens
- Low amp draw
- Standard lead wires allow flexibility to add the connector of choice
- Exceeds SAE J887 requirements
- DOT (FMVSS108) compliant
- Strobing and standard flash in one lamp
- Instant on for improved visibility and safety
- No switch mode regulation
- No radio interference
- 5 year warranty

Order Nos.	Description	Amp Draw 12V	CTN
1020-5000-xx	7" LED Warning lamp	1.10 Red 1.60 Amber	12
1020-5030-xx	7" LED Warning lamp w/AMP 250 Series Connector	1.10 Red 1.60 Amber	12
1020-5090-xx	7" LED Warning lamp w Single AMP Univ Mate-N-Lok connector	1.10 Red 1.60 Amber	12

xx denotes (-10 red) or (-20 amber)



1020-5000-20



1020-5000-10





Stop, Turn & Tail Lighting

1017-9000 Series, 7" Round, Single V-LED

Designed for long-term service and low lifecycle costs, Weldon's 1017-9000 Series offers the best of both worlds —combining the benefits of Weldon's patented V-LED technology in a traditional look. It is the industry's only serviceable, maintainable, and upgradable stop, tail, turn, and backup light. It is loaded with value-added features that reduce maintenance expenses and vehicle downtime, while enhancing signaling and visibility through optimized light control. Some of the key features/benefits include:

- Replaceable cover lens serviceable on the vehicle
- Upgradeable V-LED
- Single V-LED design
- Low power consumption/ampage draw
- Backup available page 116
- 5 year warranty



Patented V-LED design allows replacement of LEDs

Part Number	Description	Amp Draw 12V	CTN
1017-9000-10	Stop & Tail, Single V-LED, 7" Round, Red Lens	.57/.06	12
1017-9000-20	Rear Turn, Single V-LED, 7" Round, Amber Lens	.57/.06	12
OC80-2684-XX	Replacement cover lens kit		12
OE30-2262-12	V-LED Kit, 1 watt, Red, 12 pcs		1
OE30-2262-23	V-LED Kit, 2 watt, Amber, 12 pcs		1

Note: xx Denote (-10) red lens, (-20) amber lens

7" LED Stop, Turn & Tail Lamps

This 7" diameter series is now available in two LED versions!

LED, 1010-8100 Series

- Top-of-the line LED!
- Low amp draw
- Superb light output

Order Nos.	Description	Amp Draw 12V	CTN
1010-8100-xx	7" LED, stop & tail, lamp head only - no plug assy	0.38/0.049	12
1010-8110-xx	7" LED, stop & tail w/ 3-wire plug assy	0.38/0.049	12
1010-8111-xx	7" LED, stop & tail w/ weatherpak assy	0.38/0.049	12
1010-9110-20	7" LED, lamp, turn w/ 2-wire plug assy, amber	0.38	12
1010-9110-21	7" LED, left arrow turn w/ 2-wire plug assm, amber	0.38	12
1010-9110-22	7" LED, right arrow turn w/ 2-wire plug assm, amber	0.38	12
1010-8110-1K	7" LED, stop & tail kit, 2 lamps red		1
1010-8110-2K	7" LED, park & turn kit, 2 lamps amber		1
1010-8110-CK	7" LED, combo kit, 2 stop tail/2 park & turn lamps		1
OK90-1549-10	Plug assy, 2 wire to metripack conn, 1010-8100 LED		10
OK90-1549-20	Plug assy, 3 wire to metripack conn, 1010-8100 LED		10

NOTE: xx Denote (-10) red lens, (-20) amber lens

LED, 9186-5585 Series

- Economically priced
- Low amp draw
- Backup available page 117

Order Nos.	Description	Amp Draw 12V	CTN
9186-5585-10	7" econ. LED, stop & tail, reflex, red	.54/.03	12
9186-5585-20	7" econ. LED, park & turn, reflex, amber	.54/.03	12
9186-5586-10	7" econ. LED, stop & tail, red	.54/.03	12
9186-5586-20	7" econ. LED, Park & Turn, Amber	.54/.03	12



1010-8100-10



1010-8100-20



9186-5585-10



9186-5585-20



1010-9110-21



7" Incandescent Stop, Turn & Tail Lamps

Incandescent, 1000 / 1010 Series

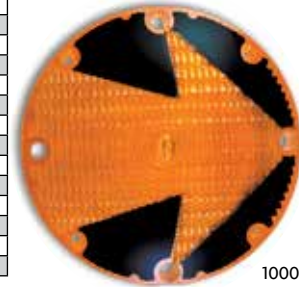
- Your choice of chrome flange or black base
- Available in flat back or socket back

Order Nos.	Description	Amp Draw 12V	CTN
1000-1100-xx	7" turn w/arrow, socket back, black base, sgl cont #1156 bulb	2.1	48
1000-1106-xx	7" turn w/arrow, ground wire, socket back, black base, sgl cont #1156 bulb	2.1	48
1000-6300-xx	7" turn w/arrow, flat back, chrome flange, sgl cont #1156 bulb	2.1	32
1000-7100-xx	7" turn w/arrow, flat back, black base, #1156 bulb	2.1	32
1010-0300-xx	7" stop or turn, socket back, chrome flange, #1156 bulb	2.1	32
1010-0320-10	7" stop & tail/dual cont #1157 bulb, chrome flange	2.1/.59	48
1010-1100-xx	7" stop or turn, socket back, black base, #1156 bulb	2.1	48
1010-1120-xx	7" stop & tail/ park & turn, socket back, black base, dual cont #1157 bulb	2.1/.59	48
1010-1126-xx	7" stop & tail, black base, socket back, ground wire, dual cont #1157 bulb	2.1/.59	48
1010-6300-xx	7" stop/turn, flat back, chrome flange, sgl cont #1156 bulb	2.1	32
1010-6320-xx	7" stop & tail, park & turn, chrome flange, flat back, dual cont #1157 bulb	2.1/.59	32
1010-7100-xx	7" stop or turn, flat back, black base, sgl cont #1156 bulb	2.1	32
1010-7120-xx	7" stop & tail/ park & turn, flat back, black base, dual cont #1157 bulb	2.1/.59	32
1002-0000-xx	Repl. lens, acrylic, arrow 7" round		24
1003-0000-xx	Repl. lens, acrylic		24
1014-0000-00	Repl. gasket, lens		12
1015-0000-00	Repl. mounting pad for black base		12
1016-0000-00	Repl. mounting pad for chrome flange		12
9018-0013-00	Repl. bulb: #1156 bulb, 32CP		100
9018-0020-00	Repl. bulb: #1157 bulb, 32/3CP		100

NOTE: xx Denote (-10) red Lens (-20) Amber Lens



1010-1120-10



1000-1100-20

9186 Series, 4"

This lamp series is available in LED or incandescent. The kit contains the lamp, mounting grommet and plug.

- Electrical "sure seal" connector for a weatherproof seal
- Low amp draw for the LED
- Sealed lamps keep out moisture and dirt



9186-5300-10



9186-5525-10



9186-5525-20

Order Nos.	Description	Amp Draw 12v	CTN
9186-5300-10	4" stop & tail lamp kit, 3-wire, grommet mt, red	2.9/0.6	50
9186-5525-10	4" LED stop & tail lamp kit, 3-wire, grommet mt, red	0.4/0.2	10
9186-5525-20	4" LED turn & park lamp kit, 3-wire, grommet mt, amber	0.4/0.2	10
OK90-1291-20	Replacement 3 wire/plug for 9186-5525		10

2000-2010 Series, 7" X 8" Stop, Turn & Tail Lamps

These lamps are available for horizontal mount (2000 series) and vertical mount (2005 series) applications.

- Flat back or socket back
- Chrome or black base
- Single or dual filament

Order Nos	Descr.	Amp Draw 12V	CTN
2000-1100-XX	Turn w/arrow, horz mt., socket back, blk base, sf #1156 bulb	2.1	32
2000-6300-XX	Turn w/arrow, horz mt., flat back, chrome base, sf #1156 bulb	2.1	32
2000-7100-XX	Turn w/arrow, horz mt., flat back, blk base, sf #1156 bulb	2.1	32
2005-1100-XX	Turn w/arrow, vert mt, socket back, blk base, sf #1156 bulb	2.1	32
2005-7100-XX	Turn w/arrow, vert mt, flat back, blk base, sf #1156 bulb	2.1	32
2010-1100-XX	Stop or turn, socket back, blk base, sf #1156 bulb	2.1	32
2010-1120-XX	ST&T, or Pk&T socket back, blk base, dc #1157 bulb	2.1/.59	32
2010-6300-XX	Stop or turn, flat back, chrome base, sf #1156 bulb	2.1	32
2010-6320-XX	ST&T, or Pk&T, flat back, chrome base, dc #1157 bulb	2.1/.59	32
2010-7100-XX	Stop or turn, flat back, blk base, sf #1156 bulb	2.1	32
2010-7120-XX	ST&T, or Pk&T, flat back blk base, dc #1157 Bulb	2.1/.59	32

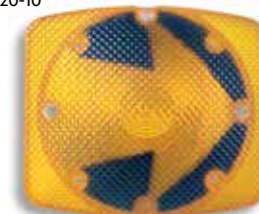
Note: XX Denote (-10) red lens, (-20) amber lens



2010-1120-10



2010-1100-20



2000-1100-20

Order Nos.	Service Parts for 2000-2010 Series	CTN
2002-0000-10	Lens, acrylic, red arrow	12
2002-0000-20	Lens, acrylic, arrow, amber	12
2003-0000-00	Gasket, lens	12
2004-0000-00	Mounting pad	12
9018-0013-00	Bulb: #1156 bulb, 32cp	100
9018-0020-00	Bulb: #1157 bulb, 32/3cp	100
2008-0000-10	Lens, acrylic, vertical, arrow, red	12
2008-0000-20	Lens, acrylic, vertical, arrow, amber	12
2011-0000-10	Lens, acrylic, red	12
2011-0000-20	Lens, acrylic, amber	12

Order Nos.	Service Parts for 2000-2010 Series	CTN
2002-0000-10	Lens, acrylic, red arrow	12
2002-0000-20	Lens, acrylic, arrow, amber	12
2003-0000-00	Gasket, lens	12
2004-0000-00	Mounting pad	12
9018-0013-00	Bulb: #1156 bulb, 32cp	100
9018-0020-00	Bulb: #1157 bulb, 32/3cp	100
2008-0000-10	Lens, acrylic, vertical, arrow, red	12
2008-0000-20	Lens, acrylic, vertical, arrow, amber	12
2011-0000-10	Lens, acrylic, red	12
2011-0000-20	Lens, acrylic, amber	12



Stop, Turn & Tail Lighting

5800 Series Stop, Turn & Tail Lighting

The 5800 Series lamps provide the same lens illumination area as a 7" round in an updated rectangular style. The all plastic construction is fully sealed to prevent dirt and moisture infiltration, at an economical price. The integral connector provides a quick and weatherproof connection.

- Fully sealed, all plastic construction – slim profile
- Polycarbonate lens
- Die-cut closed cell foam rubber mounting gasket
- 5801 – Designed to fit in 4" grommet mount cut out
- 5801 – 32 cp, 0.59/ 2.1 amp draw
- 5802 – Requires 1.5" cut out
- 5802 – 21 LED's - .38/.08 amp draw
- Vertical or Horizontal mount (non arrow versions)
- Measures 8.5"x5.25"



5801-0100-11



5801-0100-21



5801-0100-10



5801-0100-20



5802-0100-10



5802-0100-20

Order Nos.	Description	Amp Draw 12V
5801-0100-10	Stop/turn and tail	2.1/0.59
5801-0100-11	Red arrow turn	2.1/0.59
5801-0100-20	Park and turn, amber	2.1/0.59
5801-0100-21	Amber arrow turn	2.1/0.59
5802-0100-10	LED stop/turn and tail	.38/08
5802-0100-20	LED park and turn, amber	.38/08
5802-0100-21	LED arrow part and turn amber	
OK90-1969-10	Plug, 2 wire assembly	
OK90-1969-20	Plug, 3 wire assembly	

3800 Series, 3" X 7"

LED

- Low amp draw
- Unsurpassed light output
- Sealed lens and housing
- Available in panel or chrome flange mount
- Sequential arrow turn can be used to supplement your standard DOT approved turn signal
- Integrated 3-pin, triple seal connector
- Operates in 12 and 24V applications
- 5 year warranty



3871-2000-10



3872-0100-20

Order Nos.	Description	Amp Draw 12V	Amp Draw 24V
3871-2000-10	3"X7" LED, stop & tail, panel mount, red	.65/.11	.31/.04
3871-6000-21*	3"X7" LED, seq turn w/arrow lh, panel mount, amber	0.89	0.4
3871-6000-22*	3"X7" LED, seq turn w/arrow rh, panel mount, amber	0.89	0.4
3872-2000-10	3"X7" LED, stop & tail, bezel mount, red	.65/.11	.31/.04
3872-6000-21*	3"X7" LED, seq turn w/arrow lh, bezel mount, amber	0.89	0.4
3872-6000-22*	3"X7" LED, seq turn w/arrow rh, bezel/amber	0.89	0.4

* Supplemental use only. Must be paired with FMVSS 108 certified signal.

Incandescent

- Available in panel mount, or with a chrome trim flange
- Single or dual contact
- Twist lock socket for easy bulb service
- 12V only



3841-0000-10



3841-0000-20

Order Nos.	Description	Amp Draw 12V
3841-0000-10	3"x7" stop or tail, #1156 bulb, panel mount, red	2.1
3841-0000-20	3"x7" turn #3497 bulb, panel mount, amber	2.1
3841-0000-21	3"x7" turn w/arrow lh, #3497 bulb, panel mount, amber	2.1
3841-0000-22	3"x7" turn w/arrow rh, #3497 bulb, panel mount, amber	2.1
3842-0000-10	3"x7" stop or tail, #3497 bulb, bezel mount, red	2.1
3842-0000-20	3"x7" turn, #3497 bulb bezel mount, amber	2.1
3842-0000-21	3"x7" turn w/arrow lh, bezel mount, #3497 bulb, amber	2.1
3842-0000-22	3"x7" turn w/arrow rh, bezel mount, #3497 bulb, amber	2.1
3851-0000-10	3"x7" stop & tail, #2357 bulb, panel mount, red	2.2/.59
3851-0000-20	3"x7" park & turn, panel mount, #2357 bulb, amber	2.2/.59
3852-0000-10	3"x7" stop, turn & tail, bezel mount, #2357 bulb, red	2.2/.59



4600 Series, 4" X 6" LED Stop, Turn & Tail Lamps

LED

- Low amp draw
- Unsurpassed light output
- Sealed lens and housing
- Available in panel, chrome flange, or headlamp mount
- Sequential arrow turn can be used to supplement your standard DOT approved turn signal
- Integrated 3-pin, triple seal connector
- Operates in 12V and 24V applications
- 5 year warranty

Order Nos.	Description	Amp Draw 12V	Amp Draw 24V	CTN
4671-2000-10	4"X6" LED, stop & tail, panel mount, red	.69/.12	.31/.04	6
4671-6000-21*	4"X6" LED turn w/seq arrow lh, panel mount, amber	0.81	0.68	6
4671-6000-22*	4"X6" LED Turn w/Seq Arrow Rh, Panel Mount, Amber	0.81	0.68	6
4672-2000-10	4"X6" LED, stop & tail, bezel mt, red	.69/.12	.31/.04	6
4672-6000-21*	4"X6" LED turn w/seq arrow lh, bezel mount, amber	0.81	0.68	6
4672-6000-22*	4"X6" LED turn w/seq arrow rh, bezel mount, amber	0.81	0.68	6
4673-6000-21*	4"X6" LED turn w/seq arrow lh, head lamp mount, amber	0.81	.31/.04	6
4673-6000-22*	4"X6" LED turn w/seq arrow rh, head lamp mount, amber	0.81	0.68	6

* Supplemental use only. Must be paired with FMVSS 108 certified signal.



4671-2000-10



4672-6000-21

4600 Series, 4" X 6" Incandescent

Incandescent

- Available in panel mount, or with a chrome trim flange
- Single or dual contact
- Twist lock socket for easy bulb service
- 12V operation

Order Nos.	Description	Amp Draw 12V	CTN
4641-0000-10	4"x6" stop or tail, panel mount, red	2.1	6
4641-0000-20	4"x6" turn, #1156 bulb, panel mount, amber	2.1	6
4641-0000-21	4"x6" turn w/arrow lh, #1156 bulb, panel mount, amber	2.1	6
4641-0000-22	4"x6" turn w/arrow rh, #1156 bulb, panel mount, amber	2.1	6
4642-0000-10	4"x6" stop or tail, #1156 bulb, bezel mount, red	2.1	6
4642-0000-20	4"x6", turn, #1156 bulb, bezel mount, amber	2.1	6
4642-0000-21	4"x6" turn, w/arrow lh, #1156 bulb, bezel mount, amber	2.1	6
4642-0000-22	4"x6" turn, w/arrow rh, #1156 bulb, bezel mount, amber	2.1	6
4643-0000-20	4"x6" turn, headlamp mount, #1156 bulb, amber	2.1	6
4643-0000-21	4"x6" turn w/arrow lh, headlamp mount, #1156 bulb, amber	2.1	6
4643-0000-22	4"x6" turn w/arrow rh, headlamp mount, #1156 bulb, amber	2.1	6
4651-0000-10	4"x6" stop & tail, panel mount, #1157 bulb, red	2.1/.59	6
4651-0000-20	4"x6" park & turn, panel mount, #1157 bulb, amber	2.1/.59	6
4652-0000-10	4"x6" stop & tail, bezel mount, #1157 bulb, red	2.1/.59	6
4652-0000-20	4"x6" park & turn, bezel mount, #1157 bulb, amber	2.1/.59	6
4653-0000-20	4"x6" park & turn, headlamp mount, #1157 bulb, amber	2.1/.59	6



4651-0000-10



4641-0000-21

Service Parts for 4600 series Stop/Tail and Turn

Order Nos.	Service Parts For 3800, 4600, 7800 S-T-T	CTN
0C90-0350-xx	Repl. lens assy, hal-sf, 4600 series	6
0C90-0351-xx	Repl. lens assy, hal-df, 4600 series	6
0C90-0352-xx	Repl. lens assy, arrow, hal, 4600 series	6
0D30-0377-00	Repl. mounting pad, 4600 series, bezel	6
0D30-0385-00	Repl. mounting pad, 4600 series, panel	6
0K90-0336-00	repl. socket, single contact	6
0K90-0337-00	Repl. socket, dual contact	6
9018-0013-00	Repl. bulb: #1156 bulb, 32cp	6
9018-0020-00	Repl. bulb: #1157 bulb, 32/3CP	6

NOTE: xx Denote (-10) red, (-20) amber, (-21) left, (-22) right



Stop, Turn & Tail Lighting

9186 Series Outrigger Lamp

This dual faced outrigger lamp addresses illumination for aerial applications. Tough polycarbonate lenses are sealed to keep electronics free from moisture and dirt.

- Polycarbonate lenses
- Fully encapsulated electronics
- Chrome plated, die-cast zinc housing
- Pedestal mount
- Measures 4.17" diameter x 4.6" tall x 1.69" wide

Order Nos.	Description	Amp Draw 12V	CTN
9186-2366-10	LED Dual-Face Red/Red	0.7	12



9186-2366-10

3884 Series Tri & Quad Tail Lamp Assemblies – OUT OF THE BOX AND ON THE TRUCK!

Save installation time and labor with our total surface mount tail lamp assemblies, they are literally ready to mount straight out of the box, no sub assembly necessary!

The 3884 series, features three 3" x 7" lamps, overall dimension is 8.95" x 10.91".

- Easy installation
- Sealed lamps, no moisture or dirt issues
- LED or incandescent option

Order Nos.	Description	CTN
3884-0000-00	Tri: 3"x7" lamps, stop & tail, turn, backup	6
3884-0000-01	Tri: 3"x7" lamps, stop & tail, turn w/arrow lh, backup	6
3884-0000-02	Tri: 3"x7" lamps, stop & tail, turn w/arrow rh, backup	6
3884-0000-18	Tri: 3"x7" LED, stop & tail, seq turn lh, backup	6
3884-0000-19	Tri: 3"x7" LED, stop & tail, seq turn rh, backup	6
3884-0000-28	Tri: 3"x7" lamps, LED stop & tail, led seq turn lh, incdsnt backup	6
3884-0000-29	Tri: 3"x7" lamps, LED stop & tail, led seq turn rh, incdsnt backup	6
3884-0100-01	Tri: 3"x7" lamps, stop & tail, amber turn w/arrow lh, backup, packard con	6
3884-0100-02	Tri: 3"x7" lamps, stop & tail, amber turn w/arrow rh, backup, packard con	6
3884-0100-18	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn lh, backup, packard con	6
3884-0100-19	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn rh, backup, packard con	6
3884-0100-28	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn lh, incdsnt backup, packard con	6
3884-0100-29	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn rh, incdsnt backup, packard con	6
3884-0200-01	Tri: 3"x7" lamps, stop & tail, amber w/arrow lh, backup, duetsch con	6
3884-0200-02	Tri: 3"x7" lamps, stop & tail, amber w/arrow rh, backup, duetsch con	6
3884-0200-18	Tri: 3"x7" lamps, LED, stop & tail, amb seq turn lh, backup, duetsch con	6
3884-0200-19	Tri: 3"x7" lamps, LED, stop & tail, amb seq turn rh, backup, duetsch con	6
3884-0200-28	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn lh, incdsnt backup, duetsch con	6
3884-0200-29	Tri: 3"x7" lamps, LED, stop & tail, amber seq turn rh, incdsnt backup, duetsch con	6
3884-1000-01	Tri: 3"x7" lamps, amber turn w/arrow lh, stop & tail, backup	6
3884-1000-02	Tri: 3"x7" lamps, amber turn w/arrow rh, stop & tail, backup	6
3884-2000-00	Tri: 3"x7" lamps, stop & tail, red turn, backup	6
3884-8011-00	Tri: 3"x7" lamps, stop, turn & tail, backup & red halogen	6
3884-8012-00	Tri: 3"x7" lamps, stop, turn & tail, backup & amber halogen	6
3884-8090-00	Tri: 3"x7" lamps, stop & tail, red turn, backup	6
3884-9000-00	Tri: 3"x7" lamps, open, stop & tail, backup	6



3884-0100-18



3894 Series, 8.63" x 13.74" Quad Tail Lamp Assemblies

- Easy installation
- Sealed lamps, no moisture or dirt issues
- LED or incandescent option
- Can include your favorite warning lamp for a complete look

Order Nos.	Description	CTN
3894-0000-01	Quad: 3"X7" lamps, stop & tail, backup, open - lh	4
3894-0000-02	Quad: 3"X7" lamps, stop & tail, backup, open - rh	4
3894-0011-01	Quad: 3"X7" lamps, red hal warning, stop & tail, amber w/arrow ls, backup	4
3894-0011-02	Quad: 3"X7" lamps, red hal warning, stop & tail, amber w/arrow rh, backup	4
3894-0012-01	Quad: 3"X7" lamps, amb hal warning, stop & tail, amber w/arrow lh, backup	4
3894-0012-02	Quad: 3"X7" lamps, amb hal warning, stop & tail, amber w/arrow rh, backup	4
3894-0071-28	Quad: 3"X7" lamps, LED warning-red, stop & tail, amb seq turn lh & incdsnt backup	4
3894-0071-29	Quad: 3"X7" lamps, LED warning-red, stop & tail, amb seq turn rh & incdsnt backup	4
3894-0161-18	Quad: 3"X7" lamps, LED stop & tail, amb seq turn lh, backup, warning-red	4
3894-0161-19	Quad: 3"X7" lamps, LED stop & tail, amb seq turn rh, backup, warning-red	4
3894-0200-01	Quad: 3"X7" lamps, open, stop & tail, amber w/arrow lh, backup w/duetsch	4
3894-0200-02	Quad: 3"X7" lamps, open, stop & tail, amber w/arrow rh, backup w/duetsch	4
3894-0250-01	Quad: 3"X7" lamps, stop & tail, amber w/arrow lh, backup, open, duetsch	4
3894-0250-02	Quad: 3"X7" lamps, stop & tail, amber w/arrow rh, backup, open, duetsch	4
3894-0271-28	Quad: 3"X7" lamps, LED warning-red, stop & tail, amb seq turn lh, incdsnt backup, duetsch	4
3894-0271-29	Quad: 3"X7" lamps, LED warning-red, stop & tail, amb seq turn rh, incdsnt backup, duetsch	4
3894-0531-28	Quad: 3"X7" lamps, stop & tail, amb seq turn lh, incdsnt backup, warning-red, (2) duetsch	4
3894-0531-29	Quad: 3"X7" lamps, stop & tail, amb seq turnrh, incdsnt backup, warning-red, (2) duetsch	4
3894-1100-01	Quad: 3"X7" lamps, stop & tail, amber w/arrow, backup, red hal warning-lh	4
3894-1100-02	Quad: 3"X7" lamps, stop & tail, amber w/arrow, backup, red hal warning-rh	4
3894-1200-01	Quad: 3"X7" lamps, open, turn lh w/arrow, stop & tail, backup	4
3894-1200-02	Quad: 3"X7" lamps, open, turn rh w/arrow, stop & tail, backup	4



3894-0161-18

4684 Series, 8.41" x 15.03" Tri Tail Lamp Assemblies

- Easy installation
- Sealed lamps, no moisture or dirt issues
- LED or incandescent option

Order Nos.	Description	CTN
4684-0000-01	Tri: 4"X6" Lamps: stop & tail, amber w/arrow lh, backup	4
4684-0000-02	Tri: 4"X6" lamps: stop & tail, amber w/arrow rh, backup	4
4684-0100-01	Tri: 4"X6" lamps: stop & tail, amber w/arrow lh, backup, packard con	4
4684-0100-02	Tri: 4"X6" lamps: stop & tail, amber w/arrow rh, backup, packard con	4
4684-0100-18	Tri: 4"X6" lamps: LED stop & tail, amber seq turn lh, backup, packard con	4
4684-0100-19	Tri: 4"X6" lamps: LED stop & tail, amber seq turn rh, backup, packard con	4
4684-0100-28	Tri: 4"X6" lamps: LED stop & tail, amber seq turn lh, incdsnt backup, packard con	4
4684-0100-29	Tri: 4"X6" lamps: LED stop & tail, amber seq turn rh, incdsnt backup, packard con	4
4684-0200-01	Tri: 4"X6" lamps: stop & tail, amber w/arrow lh, backup, duetsch con	4
4684-0200-02	Tri: 4"X6" lamps: stop & tail, amber w/arrow rh, backup, duetsch con	4
4684-0200-18	Tri: 4"X6" lamps: LED stop & tail, amber seq turn lh, backup, duetsch con	4
4684-0200-19	Tri: 4"X6" lamps: LED stop & tail, amber seq turn rh, backup, duetsch con	4
4684-0200-28	Tri: 4"X6" lamps: LED stop & tail, amber seq turn lh, incdsnt backup, duetsch con	4
4684-0200-29	Tri: 4"X6" lamps: LED stop & tail, amber seq turn rh, incdsnt backup, duetsch con	4



4684-0100-18



Stop, Turn & Tail Lighting

4694 Series, 8.69" x 19.84" Quad Tail Lamp Assemblies

- Easy installation
- Sealed lamps, no moisture or dirt issues
- LED or incandescent option
- Can include your favorite warning lamp for a complete look

Order Nos.	Description	CTN
4694-0000-01	Quad: 4"X6" lamps: stop & tail, arrow turn lh, backup, open	4
4694-0000-02	Quad: 4"X6" lamps: stop & tail, arrow turn rh, backup, open	4
4694-0011-01	Quad: 4"X6" lamps, red wng, stop & tail, amber turn lh, backup	4
4694-0011-02	Quad: 4"X6" lamps, red wng, stop & tail, amber turn rh, backup	4
4694-0171-18	Quad: 4"X6" LED wng-red, stop & tail, amber seq turn lh, backup, packard con	4
4694-0171-19	Quad: 4"X6" LED wng-red, stop & tail, amber seq turn rh, backup, packard con	4
4694-0511-01	Quad: 4"X6" lamps, red wng, stop & tail, amber turn lh, backup	4
4694-0511-02	Quad: 4"X6" lamps, red wng, stop & tail, amber turn rh, backup	4
4694-0561-28	Quad: 4"X6" lamps, LED stop & tail, amb seq turn lh, incdnt backup, led wng-red, (2) duetsch con	4
4694-0561-29	Quad: 4"X6" lamps, LED stop & tail, amb seq turn rh, incdnt backup, led wng-red, (2) duetsch con	4



4694-0171-18

4681/82 Series, 6.68" x 21.48" Horizontal Tri Tail Lamp Assemblies

- Easy installation
- Ideal where space is limited yet attractive and high quality lighting is needed
- Sealed lamps, no moisture or dirt issues
- LED or incandescent option

Order Nos.	Description	CTN
4681-3200-01	Tri: horizontal mount, stop & tail, amber w/arrow lh, backup	4
4682-3200-02	Tri: horizontal mount, stop & tail, amber w/arrow rh, backup	4
4681-3200-18	Tri: horizontal mount, LED stop & tail, amber w/arrow lh, backup	4
4682-3200-19	Tri: horizontal mount, LED stop & tail, amber w/arrow rh, backup	4
4681-3200-28	Tri: horizontal mount, LED stop & tail, amber w/arrow lh, incdnt backup	4
4682-3200-29	Tri: horizontal mount, LED stop & tail, amber w/arrow rh, incdnt backup	4

Order Nos.	Service Parts for tri and quad assemblies
0C90-0350-xx*	Repl. lens assy, halogen, 4600 series
0C90-0352-21	Repl. lens assy, halogen, 4600 left arrow turn, amber
0C90-0352-22	Repl. lens assy, 4600 right arrow turn, halogen, amber
0C90-1028-xx*	Repl. lens/refl assy, hal-sf, 3800 series
0C90-1029-10	Repl. lens/refl assy, hal-df, 3800 series
0C90-1030-21	Repl. lens/refl assy, left arrow, 3800 series
0C90-1030-22	Repl. lens/refl assy, right arrow, 3800 series
0D40-0512-00	Repl. mounting pad for 3884 series
0D40-1143-00	Repl. mounting pad for 4684 series
0D40-1144-00	Repl. mounting pad for 4694 series
0D40-1203-00	Repl. mounting pad for 3894 series
0D40-1339-01	Repl. mounting pad for 4681 series
0K90-0336-00	Repl. socket, single contact
0K90-0337-00	Repl. socket, dual contact
9018-0013-00	Repl. bulb: #1156, 32cp
9018-0020-00	Repl. bulb: #1157, 32/3cp
9018-0022-00	Repl. bulb: #3497 for 3800
9018-0021-00	Repl. bulb: #2357 for 3800



4681-3200-29

NOTE: xxDenote (-10) red, (-20) amber, (-30) clear lens





Backup Lighting

7" Backup Lamps

Weldon's 7" backup lamps are available in LED and incandescent. Commonly used with the 1000 and 1010 stop, tail, turn lamps.

1017-9000 Series, 7" Round, Single V-LED

- Replaceable cover lens serviceable on the vehicle
- Upgradeable V-LED
- Single V-LED design
- Low power consumption/amperage draw
- DOT (FMVSS108) compliant
- Use with 1017 stop, tail and turn, See page 108
- 5 Year warranty

Order Nos.	Description	CTN
1017-9000-30	Backup, Single V-LED, 7" Round, Clear Lens	12
0C80-2684-30	Replacement cover lens kit for 1017 backup	12
0E30-2262-37	V-LED Kit, 1 watt, Clear, 12 pcs	1



1017-9000-30
V-LED™



9186-5586-30
LED



1013-1100-30
Incandescent

LED, 9186-5585-30 Series

- Low amp draw
- 20 LED's
- Fully encapsulated electronics
- Flat back design

Order Nos.	Description	Amp Draw 12V	CTN
9186-5586-30	7", econ. LED, black base	.26	12

Incandescent, 1013 Series

- Your choice of chrome flange or black base
- Available in flat back or socket back
- DOT (FMVSS108) compliant

Order Nos.	Description	Amp Draw 12V	CTN
1013-1100-30	7", socket back, black base, #1141 bulb, clear	1.9	48
1013-6300-30	7", flat back, chrome flange, #1141 bulb, clear	1.9	32
1013-7100-30	7", flat back, black base, #1141 bulb, clear	1.9	32
1003-1000-30	Repl. lens, acrylic, clear		12
1014-0000-00	Repl. gasket, lens		12
1015-0000-00	Repl. mounting pad for panel mount		12
1016-0000-00	Repl. mounting pad for chrome flange mount		12
9018-0019-00	Repl. bulb #1141, 21cp		100

5800 Series Backup Lights

The 5800 Series lamps provide the same lens illumination area as a 7" round in an updated rectangular style. The all plastic construction is fully sealed to prevent dirt and moisture infiltration, at an economical price. An integral connector provides a quick and weatherproof connection. See page 110 for stop, turn, tail.

- Fully sealed, all plastic construction
- Polycarbonate lens
- Slim profile
- Die-cut closed cell foam rubber mounting gasket
- 5801 - Designed to fit in 4" diameter grommet mount cut out
- 5802 - Requires only 1.5" diameter clearance hole for plug
- 5801 - Vertical or horizontal mount
- 5801 - 32 cp – 2.1 amp draw
- 5802 - 21 LED's, 0.27 amp draw
- Measures 8.5"x5.25"



5802-0100-30



5801-0100-30

Order Nos.	Description	Amp Draw 12V
5801-0100-30	Incandescent backup, clear/no plug assembly	2.1
5802-0100-30	LED backup, clear vertical mount /no plug assembly	0.27
0K90-1969-10	2 wire plug assembly for 5801 and 5802 backup	



3800-4600-7800 Series Backup

These lamps feature a lens and reflector that are sealed eliminating problems associated with moisture and dust infiltration. Available in LED as a supplemental lamp.

- Sealed lens and reflector
- Available in panel or chrome flange mount
- Low amp draw for LED

Order Nos.	Description	Amp Draw 12V	CTN
3841-0000-30	3"X7" panel mount, #1156 bulb, clear	2.1	6
3842-0000-30	3"X7" bezel mount, #1156 bulb, clear	2.1	6
3871-8000-30	3"X7" LED, panel mount, auxilliary backup	0.62	6
3872-8000-30	3"X7" LED, bezel mount, auxilliary backup	0.62	6
4641-0000-30	4"X6" panel mount, #1156 bulb, clear	2.1	6
4642-0000-30	4"X6" bezel mount, #1156 bulb, clear	2.1	6
4671-8000-30	4"X6" LED, panel mount, auxilliary backup	0.62	6
4672-8000-30	4"X6" LED, bezel mount, auxilliary backup	0.62	6
7841-0000-30	7"x9" panel mount, #1156 bulb, clear	2.1	6
7842-0000-30	7"x9" bezel mount, #1156 bulb, clear	2.1	6



3841-0000-30



4641-0000-30

Service Parts For 3800, 4600 Backup

Order Nos.	Service Parts for 3800, 4600, 7800 Backup	CTN
0C90-0350-33	Repl. lens/refl assy, 4600	6
0C90-1028-33	Repl. lens/refl assy, 3800	6
0D30-0377-00	Repl. mounting pad, 4600 series, bezel mount	6
0D30-0385-00	Repl. mounting pad, 4600 series, panel mount	6
0D30-1026-00	Repl. mounting pad for 3800 series, bezel mount	6
0D30-1027-00	Mounting pad for 3800 series, panel mount	6
0K90-0336-00	Repl. socket, single contact	10
9018-0013-00	Repl. bulb: #1156, 32cp	100

9186-4500 Series, 3.875" Backup

This lamp can be used as a backup or utility lamp.

- Polycarbonate lens
- Black ABS trim ring

Order Nos.	Description	Amp Draw 12V	CTN
9186-4570-30	Black bezel, 1 wire, #1156 bulb	2.1	100
9186-4571-30	Black bezel, 2 wire, #1076 bulb	1.8	100
9018-0013-00	Repl. bulb, #1156, 32cp		100
9018-0025-00	Repl. bulb, #1076, 32cp		100



9186-4570-30

9186-5000 Series, 4" Backup

These 4" backup lights are fully sealed to prevent dirt and moisture infiltration. The 9186-5515 flange mount secures the lamp to the vehicle and a MP150 connector provides a quick connection. The kit includes the lamp, mounting grommet and plug.

- Polycarbonate lens
- Sealed lamp
- "Sure seal" connector

Order Nos.	Description	Amp Draw 12V	CTN
9186-5300KC	4" backup, clear, incand, grommet mount w/ metripack con	2.1	50
9186-5515-31	4" backup, clear LED, flange mount, w/metripack con	.34	10
9186-5526-30	4" backup, clear LED grommet mount	.34	10



4186-5300KC



9186-5526-30



9186-5515-31



Marker Lighting

9186-8560 Series, Turn / Marker, 2.91" X 3.69"

Available in LED! Functions as a side turn indicator* or marker light

- Stainless steel housing
- No rust or corrosion issues
- Durable polycarbonate lens

Order Nos.	Description	Amp Draw 12V	CTN
9186-8580-29	LED turn/marker, amber	0.1/0.4	24
9186-8560-29	Marker w/ground tab, #1157 bulb, amber	.59/2.1	50
9186-8589-24	LED amber side turn/mrkr custom leads	0.1/0.4	24
OC12-1181-00	Repl. lens, polycarbonate, amber		12
OD10-1176-00	Repl. gasket, lens		12
OD30-1092-00	Repl. mounting pad		12
9018-0020-00	Repl. bulb: #1157, 32/3cp		100

*no current DOT requirement for side turn



9186-8560-29

2710 Series, LED Side Turn / Marker, 6" x 2.65"

This lamp features eleven high-brightness LED's to provide an effective signal. The inner lens optics direct most of the light rearward into the vehicle blind spot area. The acrylic lens and base are vibration welded to achieve a water-tight seal. All electronic components are potted for added protection. The lamp uses a sealed connector to enable a reliable interconnect between the lamp and the vehicle. Metal bushings are inserted at the mounting points for added durability. Standard equipment on Navistar ProStar®.

- Excellent blind spot signal coverage
- Sealed lens/housing with potted electronics
- Metal bushings at mounting points

Order Nos.	Description	AMP Draw	CTN
2710-0100-20	Amber LED Turn/Marker, Amber Lens	.13/.05	50
2710-1100-20	Amber LED Turn/Marker, Clear Lens	.13/.05	50
OK90-2869-00	Plug Assembly, 3-Wire		10
OD10-2753-00	Mounting Pad		12



2710-0100-20



2710-1100-20





5150 / 5180 Series, Marker, 1 1/2" X 3 1/2", PC Rated

These lamps feature a tough acrylic lens with a built-in shield for added durability. The LED lamp provides reliable, long-life service! Both lamps meet combination clearance and marker functions.

- Built-in shield
- Armored metal shield available separately
- Low amp draw

Order Nos.	Description	Amp Draw	CTN
5150-0000-10	Marker, incandescent, no plug, red	0.35	200
5150-0000-20	Marker, incandescent, no plug, amber	0.35	200
5150-0100-10	Marker, incandescent w/plug, red	0.35	200
5150-0100-20	Marker, incandescent w/plug, amber	0.35	200
5180-0100-10	Marker, LED, no plug, red	0.04	200
5180-0100-20	Marker, LED, no plug, amber	0.04	200
5180-0110-10	Marker, LED w/plug, red	0.04	200
5180-0110-20	Marker, LED w/plug, amber	0.04	200
OJ10-2161-BK	Shield for 5150/5180, powder coat black		50
OJ10-2161-GY	Shield for 5150/5180, powder coat grey		50
OK90-1601-00	Socket wedge base, w/delphi for 5150		10
OK90-1803-00	Plug assm, 2 wire, for 5180 lamp		10
OD10-1630-00	Replacement mounting pad		12
9018-0012-00	Replacement bulb #168		100



5150-0000-10



5180-0100-20
Shown with optional guard (OJ10-2161-BK)



5180-0100-10
Shown with optional Shield (OJ10-2161-GY)



5180-0100-10
Shown with OK90-1803-00 Plug Assembly





Marker Lighting

5210 / 5211 Series, LED Marker Lights

These compact, low profile LED Marker Lights are grommet mounted and protrude less than 3/8" from the vehicle surface eliminating the need for shields or branch protection. The lamp mounts in a 3/4" diameter hole and does not require any additional fasteners. D.O.T. certified and PC rated for combined clearance and side marker functions.

- 5210 Series have a colored lens. Available colors - red and amber for D.O.T. applications; white, green and blue for accent and indication applications
- 5211 Series have a clear lens with colored LEDs. Available colors - red and amber for D.O.T. applications; green and blue for accent and indication applications

Order Nos.	Description	12 V Amp.	CTN
5210-1000-10	LED marker lamp, red LED/lens, grmt mt.	.05	100
5210-1000-20	LED marker lamp, amber LED/lens, grmt mt.	.05	100
5210-1000-30	LED marker lamp, clear LED/lens, grmt mt.	.02	100
5210-1000-40	LED marker lamp, blue LED/lens, grmt mt.	.02	100
5210-1000-70	LED marker lamp, green LED/lens, grmt mt.	.02	100
5211-1000-10	LED marker lamp, red LED, clear lens, grmt mt.	.05	100
5211-1000-20	LED marker lamp, amber LED, clear lens, grmt mt.	.05	100
5211-1000-40	LED marker lamp, blue LED, clear lens, grmt mt.	.02	100
5211-1000-70	LED marker lamp, green LED, clear lens, grmt mt.	.02	100



5210-1000-10



5210-1000-20

9186-1500 Series, 1.1" X 2.59" LED Marker Lamp

These lamps utilize LED technology for unsurpassed life and reliability. Two lead wires exit for isolated ground or chassis connection. Use the OJ10-1200 brush guard for added durability.

- Low amp draw
- Sonic-welded base and lens
- Offered in a variety of colors
- Stainless brush guard available

Order Nos.	Description	Amp Draw 12V	CTN
9186-1500-10	LED clearance/marker, red	0.05	48
9186-1500-20	LED clearance/marker, amber	0.05	48
9186-1501-30	LED utility, clear	0.05	48
9186-1501-40	LED utility, blue	0.05	48
9186-1501-50	LED utility, green	0.05	48
OJ10-1200-00	Brush guard, stainless steel	-	50
OD10-1208-00	Mounting pad for brush guard	-	12
OD10-1530-00	Repl. mounting pad	-	12



9186-1501-30



9186-1500-20



OJ10-1200-00
Brush Guard



9186-1500-10

8101/8102 Series, Miniature License Illuminator

This surface mount lamp features a tough housing and lens for a long life. Available in LED and incandescent.

- Miniature, only 2.8" wide & 2" high
- Tough housing and lens

Order Nos.	Description	Amp Draw 12V	CTN
8101-0100-30	License lamp, #168 bulb, 3 CP w/delphi conn	0.35	100
8102-0100-30	LED licence lamp w/delphi conn	0.1	100
9018-0032-00	Repl. bulb, #168, 3CP		100



8102-0100-30



8101-0100-30



8051 Series 8" Recessed Low Profile Interior Dome Lamp

The new LED dome lamp featuring a patented low profile and unique cooling fin design. This light protrudes only 1/16 of an inch beyond the headliner and is 5/8 of an inch deep. The light output will reach 1,600 lumens at 25W max.

- Ultra low profile, flush mount design
- Exceptional light distribution angle for superior photometric performance
- 1600 lumens output (25W @ 12v, 21W@24v)
- Die Cast housing with white powder coat
- Direct fit to 8046, 8047, 8048 and 8049 opening
- Meets GSA-KKK specifications when installed properly
- 5 year warranty
- Operates in High/Low or Accepts 100Hz to 1kHz power PWM on the high intensity input

Order Nos.	Description	Amp Draw 12V	Amp Draw 24
8051-0000-30	Recessed Low Profile Interior Dome Lamp	2.1	.90



8051-0000-30

8" Recessed Interior Dome Lamp

Available in patented V-LED technology, Incandescent or Halogen, the 8" LED Interior Dome Lamp minimizes heat and vibration issues, and requires less current draw. This LED dome lamp features patented V-LED technology for optimal light output. LED's are serviceable, allowing the lamp to be upgraded as LED technology progresses. Light output is 750 lumens while consuming only 10 watts of power. A new deeper housing provides a completely flush mounted lamp. Surface mount version also available.

8047 / 8049 Series:

- Upgradable V-LED technology
- Only 10 watts power consumption
- Flush mount or surface mount
- Less than 1 amp draw in high mode at 12V
- Utilizes only 8 high-power LED's for optimal output intensity
- Stainless steel or white powder coated housing
- 5 year warranty

8040 Series:

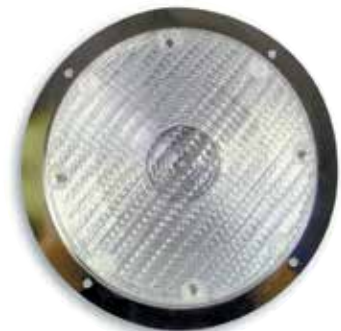
- Meets GSA-KKK specifications when installed properly
- Single or Hi/Low operation



8049-0000-30



8049-0001-30



8046-0320-80



8049-0000-10

Order Nos.	Description	Amp Draw 12V	CTN
8040-0500-80	Recessed mount, sf #1156 bulb, ss body, clear lexan lens	2.1	32
8040-0520-80	Recessed mount, df #1157 bulb, ss body, clear lexan lens	2.1/.59	32
8046-0300-80	Recessed mount, single bulb #gh9, ss body, clear lexan lens	2.9	32
8046-0320-80	Recessed mount, hi/lo, #gh9/#906, ss body, clear lexan lens	2.9/.69	32
8047-1000-10	V-LED upgradable surface mount (no pan), hi/lo, red	.6/.05	12
8047-1000-30	V-LED upgradable surface mount (no pan), hi/lo, clear	.8/.06*	12
8049-0000-30	V-LED upgradable recessed mount, hi/lo, ss body, clear	.8/.06*	12
8049-0001-30	V-LED upgradable recessed mount, white body, hi/lo, clear	.8/.06*	12
8049-0000-10	V-LED upgradable recessed mount, hi/lo, ss body, red	.6/.05	12
8049-0001-10	V-LED upgradable recessed mount, hi/lo, white body, red	.6/.05	12
9018-0013-00	Replacement bulb, sf, #1156, 32 cp for 8040-0500-80		100
9018-0020-00	Replacement bulb, df, #1157, 32/3 cp for 8040-0520-80		100
9018-0034-00	Replacement bulb, #gh9 halogen 37.5w for 8046 series		100
9018-0035-00	Replacement bulb, lo, #906, 6cp for 8046-0520-80		100
1003-0000-80	Replacement lexan lens for 8040/8046, clear		12
0C20-2401-30	Replacement lens for 8047/8049, clear frosted		12
0C20-2401-10	Replacement lens for 8047/8049, red Frosted		12

*@14V



Interior Dome Lighting

ON80-2485 Series, PWM Converter, 2 Channel

This module eliminates the flicker that is sometimes associated with PWM dimming of LED dome lamps. The module has two channels and can supply up to 10 amps per channel. Maximum output for both channels combined is 15 amps.

- Can be used with 8047, 8049 and 8051 dome lamps

Order Nos.	Description	CTN
0N80-2485-00	PWM Converter, 2 Channel	1



ON80-2485-00

8080 / 8081 Series 8.02" x 4.1" LED Cab Dome Light

This standard cab dome light is available in incandescent and LED. Available in black or grey bezel, and in +Battery (-8000) for multiplexed systems, or Ground (-7000) switching configurations.

- Black (8080) or grey (8081) bezel
- +Battery (-8000) or ground (-7000) switching configurations
- Meets NFPA Illumination

Order Nos.	Description	Amp Draw 12V	CTN
8080-0000-13	Dual dome, bulb, ground switched, black bezel, red/clear	2/4	60
8080-1000-13	Dual dome, bulb, +batt switched, black bezel, red/clear	2/4	60
8080-7000-13	Dual dome, LED, ground switched, black bezel, red/clear	0.4/0.8	60
8080-8000-13	Dual dome, LED, +batt switched, black bezel, red/clear	0.4/0.8	60
8081-0000-13	Dual dome, bulb, ground switched, grey bezel, red/clear	2/4	60
8081-1000-13	Dual dome, bulb, +batt switched, grey bezel, red/clear	2/4	60
8081-7000-13	Dual dome, LED, ground switched, grey bezel, red/clear	0.4/0.8	60
8081-8000-13	Dual dome, LED, +batt switched, grey bezel, red/clear	0.4/0.8	60
0C10-2228-10	Lens, 8080/8081 series, red		12
0C10-2228-30	Lens, 8080/8081 series, clear		12
0C10-2228-40	Lens, 8080/8081 series, blue		21



8081-7000-13



8080-7000-13

8086 Series 9.65" x 4.81", Red/Clear Interior Lamp, Euro-Style On / Off Switch

With the same concept as the 8080/8081 series, this lamp features euro-style buttons.

- Black bezel
- Off-the-shelf bulb
- Blue lens available

Order Nos.	Description	Amp Draw 12V	CTN
8086-6978-68	Dome, w/push buttons, red/clear lens, #922 bulb	0.98/1.96	60
0C11-1223-00	Replacement lens, red		12
0C13-1225-00	Replacement lens, clear		12
0C14-1226-00	Replacement lens, blue		12
0E13-1878-00	Replacement bulb: #922, incandescent, 15 CP		100



8086-6978-68



V26S / V34S Diamondback V-LED Utility Lamps

With all the same features as our Diamondback Scene Lamps, the V26S and V34S are available for use as compartment, stepwell, boarding, and area lighting lamps. These lamps are surface mounted, and fully upgradable/serviceable!

- High optical efficiency maximizes illumination with minimum current draw
- High precision optical elements direct lighting onto work surfaces which minimizes scatter
- High impact polycarbonate lens with anti-scratch hard coating
- Integral mounting pad
- Optional chrome plated bezels with molded mounting pads
- 5 year warranty

Order Nos.	Description	Amp Draw 12V	Amp Draw 24V	CTN
V26S	2x6 DB Utility lamp	.46	.23	6
V34S	3x4 DB Utility lamp	.46	.23	6
V34S-9009	3x4 DB Utility lamp w/Delphi connector	.46	.23	6
0C20-2408-30	2x6 Cover Lens, Clear			6
0C20-2191-30	3x4 Cover Lens, Clear			6
0B80-2495-00	Bezel Kit, 2X6 Diamondback			6
0B80-2334-00	Bezel Kit, 3x4 Diamondback			6

See page 126 for Diamondback 3x7, 4x6, and 7x9 Scene Lamps.



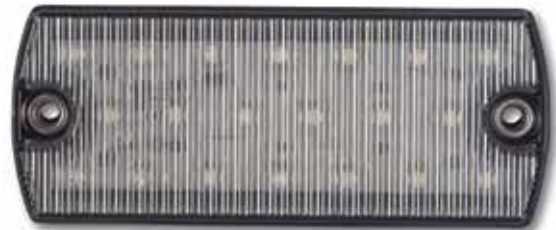
V26S

2630 / 2631 Series Dome/Pump Panel Lamp

The 2630 and 2631 lamps can be used as a dome or in pump panel applications directly replacing the 2030 series lamps. The LED version features a slim profile allowing for improved clearance and lowered amperage current draw. Both lamps are all plastic construction and fully sealed to prevent moisture, dirt and corrosion issues.

- Directly replaces current 2030 series pump panel and compartment lamps
- Fully sealed, surface mount with foam mounting pad
- 2630 - 21 CP incandescent – 1.44 Amp draw
- 2631 – 6 CP 20 LEDs - 0.3 amp draw
- 2631 – slim profile (.78" thick)
- Measures 2.5"x6"

Order Nos.	Description	Amp Draw 12V	CTN
2630-0000-30	Incandescent sealed lamp	1.44	72
2631-0000-30	LED sealed lamp	0.3	72



2631-0000-30



2630-0000-30

8270-0100-30 LED Work Lamp

This OEM approved LED work lamp features four mid-power LED's, providing 120 lumens of brilliant white light. The engineered optics focus the light downward onto the work area. Lamp mounting points include nickel plated brass bushings to provide durable installation to the vehicle. Lens and base are vibration welded and electronics are potted to ensure years of worry-free service. Lamp fits standard 4" round flange mount applications - great for heavy truck hook-up work areas. Also works great as a bus loading lamp around entry/exit doors. 12V Only. Standard equipment on Navistar ProStar®.

Order Nos.	Description	Amp Draw 12V	CTN
8270-0100-30	LED Work Lamp	.18	50
OK90-3101-00	2 wire plug		12



8270-0100-30



Utility Lighting

9186 Series, Stepwell Lamp

This lamp will not rust or corrode and the glass lens will hold up to extreme temperatures.

- Your choice of 21, 32, 50 candlepower
- Molded mounting pad provides an excellent seal
- Stainless construction, no corrosion issues

Order Nos.	Description	Amp Draw 12V	CTN
9186-8562-30	Stepwell, 32CP, #1156 bulb, clear	2.1	24
9186-8563-30	Stepwell, 32CP, #1156 bulb, w/ground wire, clear	2.1	24
9186-8563-34	Stepwell, 32CP, #1638 bulb, w/ground wire - 24v	1.0	24
9186-8564-30	Stepwell, 21CP, #1141 bulb, clear	1.4	24
9186-8565-30	Stepwell, 21CP, #1141 bulb, w/ground wire, clear	1.4	24
9186-8566-30	Stepwell, 50CP, #1195 bulb, clear	3.0	12
OC63-1180-00	Repl. lens, glass, clear		12
OD10-1176-00	Repl. gasket, lens		12
OD30-1092-00	Repl. mounting pad		100
9018-0013-00	Repl. bulb: #1156, 32CP		100
9018-0019-00	Repl. bulb: #1141, 21CP		100
9018-0051-00	Repl. bulb: #1638, dc 32CP		100



9186-8563-30

9186 Series, License Illuminator / Stepwell

This lamp can be used in a license or stepwell application.

- Corrosion resistant
- Die cast zinc housing and ABS base
- Twist-lock socket for easy bulb service
- Available with isolated ground for non metallic surface mounting

Order Nos.	Description	Amp Draw 12V	CTN
9186-23882-30	Stepwell & utility, #906 bulb, clear	0.69	100
OJ10-0393-00	Bracket, black		10
9018-0035-00	Repl. bulb, #906 WB 6CP		100
9186-23882-2540	Repl. mounting pad		12



9186-23882-30



OJ10-0393-00

LED Courtesy Lamps, Small In Size, Large In Light Output!

These miniature LEDs are available in amber, blue, clear, green and red. These weatherproof LEDs are potted in epoxy for added durability. Lamp measures only 1.13" x .75"

- Your choice of chrome or black body
- Excellent for water level indicator
- Low amp draw

Order Nos.	Description	Amp Draw	CTN
9186-2300-xx	LED courtesy, black	0.025	50
9186-2301-xx	LED courtesy, chrome	0.025	50

Note: xx Denote (-10 red), (-20 amber), (-30 clear), (-40 blue), (-50 green)



9186-2300-10



9186-2300-30

9185 Series, 4" Utility Lamps

This recessed mount lamp series can be used as a compartment or an underbody lamp. The 9185-40034 series features epoxy-sealed terminals and can be used for underbody applications. An aluminum bracket is available separately for underbody illumination.

Order Nos.	Description	Amp Draw 12V	CTN
9185-40003-3	Utility/grommet kit, clear	1.4	50
9185-40034	Utility kit, clear	1.4	50
OJ10-0503-00	Mounting bracket for underbody application, 9185-40003		48



9185-40003-3



OJ10-0503-00





Vehicle Scene Lighting

Diamondback™ LED Scene Lamp

To provide a seamless look across your apparatus, use the Diamondback LED scene lamp in conjunction with your Diamondback LED warning lamps. Unlike other LED scene lamps the Diamondback LED scene lamp is surface mounted. No large body cut outs required.

- Patented Diamondback styling to complement warning lamps
- Very high optical efficiency maximizes illumination with minimum current draw
- High precision optical elements direct lighting onto work surfaces which minimizes scatter
- Efficient electronic regulation reduces current draw and maintains LED intensity throughout the lamps operating voltage range of 11-32V (intensity may diminish below 11V input)
- Eight (8) element lamps operate at 12W (1A), Sixteen (16) element lamps operates at 24W (2A)
- Diamondback combination warning/scene available. See page 100
- Like all Diamondback products, these scene lamps offer:
 - 5 year warranty
 - High-impact polycarbonate lens with anti-scratch hardcoating
 - V-LED devices to maximize thermal and optical performance
 - Fully upgradable/serviceable components
 - Integral mounting pad
 - Optional chrome plated bezels with molded mounting pads
 - V79S light output of 1200 lumens



V375

Order Nos.	Description	Amp Draw 12V	Amp Draw 24V	CTN
V375	Diamondback LED scene, 3X7, 8 element	.92	.45	6
V46S	Diamondback LED scene, 4X6, 8 element	.92	.45	6
V79S	Diamondback LED scene, 7X9, 16 element	1.84	.96	6

Bezel kits available separately

Bezel Kits Part Numbers

Order Nos.	Description	CTN
0B80-2335-00	Chrome bezel kit for 3"X7" Diamondback	6
0B80-2336-00	Chrome bezel kit for 4"X6" Diamondback	6
0B80-2337-00	Chrome bezel kit for 7"X9" Diamondback	6
0C20-2170-30	V37 replacement cover lens, clear	6
0C20-2177-30	V46 replacement cover lens, clear	6
0C20-2184-30	V79 replacement cover lens, clear	6



V46S



V79S

3x4 and 2x6 V-LED Utility lamps are also available. See page 123.



V265



V345



HID Scene Lighting

- Generates truer, daylight illumination
- 250 Candle Power – 3200 Lumens
- Instant restrike
- Consumes 33% less power than halogen (35w HID vs. 50w halogen)
- Rated at 3,000 hours of service
- Bulb is serviceable
- Ballast and interconnects included
- Designed for 12v applications



3862-0000-33



4662-0000-33



7862-0000-33

Order Nos.	Description	Amp Draw 12V	CTN
3862-0000-33	3" X 7" HID scene, bezel mount, clear	2.6*	6
4662-0000-33	4" X 6" HID scene, bezel mount, clear	2.6*	6
7862-0000-33	7" X 9" HID scene, bezel mount, clear	2.6*	6
0E93-1571-00	Repl. bulb/adaptor assy		1
0N00-1471-00	HID Ballast		1
0L40-1472-00	Harness		1
0D00-1569-00	HID Spacer 3800		1
0D00-1570-00	HID Spacer 4600		1
0D00-1458-00	HID Spacer 7800		1

*after bulb warm up

3800, 4600, 7800 Series Halogen Scene Lamps

Weldon's Halogen Scene lights feature a combination of 15 to 26 degree optics to effectively illuminate the work area. The lens and reflector are sealed eliminating the problems of dust and moisture infiltration.

Order Nos.	Description	Amp Draw 12 V	CTN
3811-0000-33	3" x 7" Halogen, #886, panel mount, clear	3.9	6
3812-0000-33	3" x 7" Halogen, #886, bezel mount, clear	3.9	6
4611-0000-33	4" x 6" Halogen, #886, panel mount, clear	3.9	6
4612-0000-33	4" x 6" Halogen, #886, bezel mount, clear	3.9	6
7811-0000-33	7" x 9" Halogen, #886, panel mount, clear	3.9	6
7812-0000-33	7" x 9" Halogen, #886, bezel mount, clear	3.9	6



3811-0000-33



4612-0000-33



7812-0000-33

Order Nos.	Service Parts for 3800, 4600, 7800 Series & HID Scene Lamps	CTN
0C90-0350-33	Repl. lens/refl assy, clear, scene/backup, for 4600	6
0C90-1028-33	Repl. lens/refl assy, clear, scene/backup, for 3800	6
0C90-1138-33	Repl. lens/refl assy, sf-scene, for 7800	6
0D30-0377-00	Repl. mounting pad, 4600, bezel	6
0D30-0385-00	Repl. mounting pad, 4600, panel	6
0D30-1026-00	Repl. mounting pad, 3800, bezel	6
0D30-1027-00	Repl. mounting pad, 3800, panel	6
0D30-1136-00	Repl. mounting pad, 7800, bezel	6
0D30-1137-00	Repl. mounting pad, 7800, panel	6
0E22-1357-00	Repl. bulb: #886, halogen, right angle base, 100 cp @ 12.8 v, 3.9a	100
0K90-1806-00	Scene lamp socket/harness kit, 886 bulb	10
0D10-1025-00	Repl. gasket between lamp/bezel 3800	6
0D10-1024-00	Repl. gasket between lamp/bezel 4600	6
0D10-1035-00	Repl. gasket between lamp/bezel 7800	6
0B53-1016-00	bezel 3"x7"	
0B53-0333-00	bezel 4"x6"	
0B53-1125-00	bezel 7"x9"	

2010 Series, 7" x 8" Sealed Beam Scene Lamps

- Available with chrome or black base
- Your choice of 35 and 50 watts
- Numerous castings available

Order Nos.	Description	Amp Draw 12V	CTN
2010-0370-30	7" X 8", 35w, #4436 bulb, chrome base, rec. mount, clear	2.3	24
2010-0390-30	7" X 8", 50w, #h7635 bulb, chrome base, rec. mount, clear	4.2	24
2010-1170-30	7" X 8", 35w, #h4436 bulb, black base, rec. mount, clear	2.3	24
2010-1190-30	7" X 8", 50w hal, #h7635 bulb, black base, rec. mount, clear	4.2	24
1012-0000-00	Repl. bulb clip		12
2003-0000-00	Repl. gasket, lens, clear		12
2011-0000-30	Repl. lens, acrylic, clear		12
2023-0000-00	Repl. mounting pad		12
9018-0001-00	Repl. bulb: sealed beam, #4436, 35w		48
9018-0031-00	Repl. bulb, sealed beam, #h7635, 50w		48



2010-1170-30



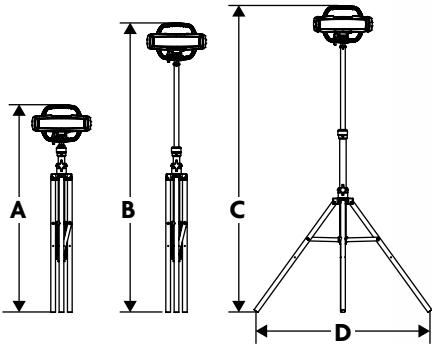


Hazardous Location SceneStar™ **NEW!** ELSS-XLAC-HDPL, ELSS-XLAC-HDPD

The SceneStar LED Scene Light has been reconfigured and reinvented for use in hazardous locations. With 20,000 lumens, it provides operators with a flexible solution for use in areas with flammable vapors or gases. It has been UL listed for Class 1 Division 2 Groups B, C and D. Combining the UL listing with Akron Brass quality, durability and proven performance makes this the obvious choice for lighting your hazardous scenes.

This Hazardous Location SceneStar is available in two portable configurations, a Quad POD and a portable base. The following are additional features of the Hazardous Location SceneStar:

- Available in 120VAC, 220 watt portable and Quad POD configurations only.
- The light output and optics are identical to the standard 120VAC version, including 20,000 lumens with a flood/spot reflector for complete area lighting.
- Cord lengths of 5, 25 or 50 ft (1.5, 7.6, 15.2 m) with a standard 3-prong 120VAC hazardous area plug. Cord carrying strap included.



Type	Part #*	Wattage	Voltage	AMPS	Lumens	Weight	Dimensions			
							A	B	C	D
Portable	ELSS-XLAC-HDPL	220 W	120VAC	1.8	20,000	15 lbs (6.8 kg)				
Quad Pod	ELSS-XLAC-HDPDTBQ3						56" (1.4 m)	77" (2 m)	82" (2.1 m)	46" (1.2 m)
Quad Pod	ELSS-XLAC-HDPDTBQ4						58" (1.5 m)	89" (2.3 m)	99" (2.5 m)	58" (1.5 m)

*Specify cable length of 5, 25 or 50 ft (1.5, 7.6, 15.2 m) when ordering



SceneStar & Extenda-Lite® Light Heads

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

SceneStar™ LED Scene Light

ELSS-SLDC, XLDC and ELSS-XLAC

Operating in the dark is difficult and dangerous. Scene lighting is essential for night operations and helps emergency responders spot hazards, creating safe work environments. Akron Brass is committed to protecting those who protect us by presenting a complete line of LED scene lights.

Packed with high performance features, the SceneStar can be customized to meet your specific application. From generator light kits to apparatus mounted lights to cord reel lights, Akron Brass delivers the most options for your lighting solutions.



48 Ultra bright LEDs delivering a powerful 20,000 lumens

High impact, UV resistant handles & heat sink cover

Instant On/Off


Tempered glass

Dual ergonomic handles for easy light head positioning


ELSS-XLAC-PL



LED

	Light Head	Bulb Type	Wattage	Voltage	Amps	Lumens	Certifications	Light Head Dimensions	Weight
	ELSS-SLDC	LED	150	10-32 V DC	12 (12 V DC) 6 (24 V DC)	14,000	CE, ROHS	14" W x 4 1/4" H x 5.6" D (356 x 108 x 142 mm)	10 lbs. (4.5 kg)
	ELSS-XLDC	LED	220	10-32 V DC	18 (12 V DC) 9 (24 V DC)	19,000	ROHS		
	ELSS-XLAC	LED	220	120 AC	1.8	20,000	UL, ROHS, CSA		
	ELSS-XLAC2	LED	220	240 AC	.9	20,000	CE, ROHS		



HID

Light Head Description	Light Head	Bulb Type	Wattage	Voltage	Amps	Lumens	Certifications	Light Head Dimensions	Available Options
	ELSL-1000	HID	1000	120/240 AC	9/4.5	110,000		20"W x 8"H x 13"D (508 x 203 x 330 mm)	SW



Akron Brass Extenda-Lite Scene Lights are designed to withstand the rigors demanded by the fire service, providing superior lighting in every situation. Akron's lights are manufactured using the highest quality materials and workmanship.

Halogen

Light Head Description	Light Head	Bulb Type	Wattage	Voltage	Amps	Lumens	Certifications	Light Head Dimensions	Available Options
 <p>Low Profile Beta **</p>	ELBE-150***	Quartz Halogen	150	12 DC *	12.5	3,000		13.75"W x 4"H x 3.5"D (350 x 101 x 89 mm)	WG SW* DH (AC only)
	ELBE-300	Quartz Halogen	300	24 DC 120 AC/240 AC	12.5 2.6/1.3	5,000 5,400			
	ELBE-500	Quartz Halogen	500	120 AC/240 AC	4.5/2.3	10,500			
	ELBE-650***	Quartz Halogen	650	120 AC	5.4	25,200			
	ELBE-750***	Quartz Halogen	750	120 AC	7	21,000			
 <p>Night Breaker</p>	ELNB-300	Quartz Halogen	300	24 DC † 120 AC/240 AC	12.5 2.6/1.3	5,000 5,400	CE	8 1/2" W x 6 1/2" H x 7" D (216 x 165 x 178 mm)	DH (AC only) SW*
	ELNB-500	Quartz Halogen	500	120 AC/240 AC	4.5/2.3	10,500			
	ELNB-750	Quartz Halogen	750	120 AC	7	21,000			
 <p>ST Series **</p>	ELST-150	Quartz Halogen	150	12 DC *	12.5	3,000		8.75"W x 8.5"H x 5.5"D (222 x 216 x 140 mm)	WG SW* DH (AC only)
	ELST-300	Quartz Halogen	300	24 DC 120 AC/240 AC	12.5 2.6/1.3	5,000 5,400			
	ELST-500	Quartz Halogen	500	120 AC/240 AC	4.5/2.3	10,500			
 <p>ST Series</p>	ELST-1000	Quartz Halogen	1000	120/240 AC	9/4.5	21,500	CE	16.5"W x 9.5"H x 5.5"D (420 x 241 x 140 mm)	DH (AC only) WG SW*
	ELST-1500	Quartz Halogen	1500	120/240 AC	13/6.3	35,000			

*On/off switch comes standard on 12V lights.

**Highly Polished Specular Hammertone Reflector.

*** Not CE approved

****UL & CE rating pending

† Not available in 12V

Light Head Options:



WG
Chrome Plated Wire Guard



SW *
Switch for Light Head (Includes rubber boot)



DH
Any two standard Extenda-Lite heads mounted on a 2" aluminum cross bar. Two heads independently swivel.



B
Bottom handle only

*On/off switch comes standard on 12V lights.

**Highly Polished Specular Hammertone Reflector.



Extenda-Lite® PL-Series Lights & Extenda-POD

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

PL-Series

Heavy-Duty Portable Handheld Lights designed to provide effective portable lighting where you need it.

- Superior powder coated aluminum construction
- Available with SceneStar™, Stonco, Night Breaker and Beta light heads (Not recommended for use in 12V applications)
- UL listed with Stonco light heads
- Heavy-duty chrome-plated wire guard - not standard on all
- Standard with prewired 12" pigtail and L5-15 (110V)*
- Meets NFPA requirements
- Triangle base for added stability

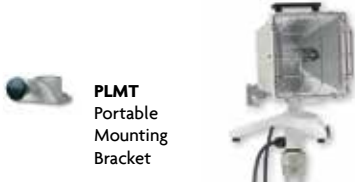


ELSS-XLAC-PL
Portable light with
SceneStar light head



ELBE-750-PL
Portable light with Beta
light head

Mounting Options:



PLMT
Portable
Mounting
Bracket



POD-PL **
PL-Series Light
mounted on the
Extenda-POD

ALL 110 & 220 Volt
EXTENDA-LITES use
2-Wire Plus Ground as
Standard



PLMT - can mount a PL Light
on its side or upside down

* Specify plug if something other than standard plug is required
** When ordering PL on tripod, PL-POLE-MT bracket must also be added

Extenda-POD

The Extenda-POD offers three lights in one. The portable base can be truck mounted, portable, and have the tripod feature. Heavy-duty tripods engineered for maximum stability and durability while providing fully adjustable scene lighting from 3'-11' in height.

- Available in 5 sizes, specify size in part number when ordering. See page 133
- Custom sizes not available
- Heavy-duty anodized aluminum poles & leg braces for extreme strength and durability
- Heavy-duty 1 1/4" anodized aluminum legs provide ultimate stability
- Twist lock for quick and easy height adjustment (Standard unless otherwise specified)
- Available with any Akron Brass light head (not recommended for use in 12V applications)
- Can be used as a pull-up light while mounted
- Standard with pre-wired L5-15 (110V) plug on 110 AC versions

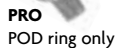
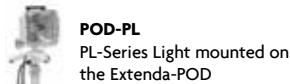
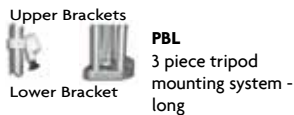
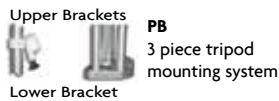


POD-PL
PL-Series Light mounted
on the Extenda-POD



E-4750-POD
Extenda-POD with
Beta light head

Mounting Options:

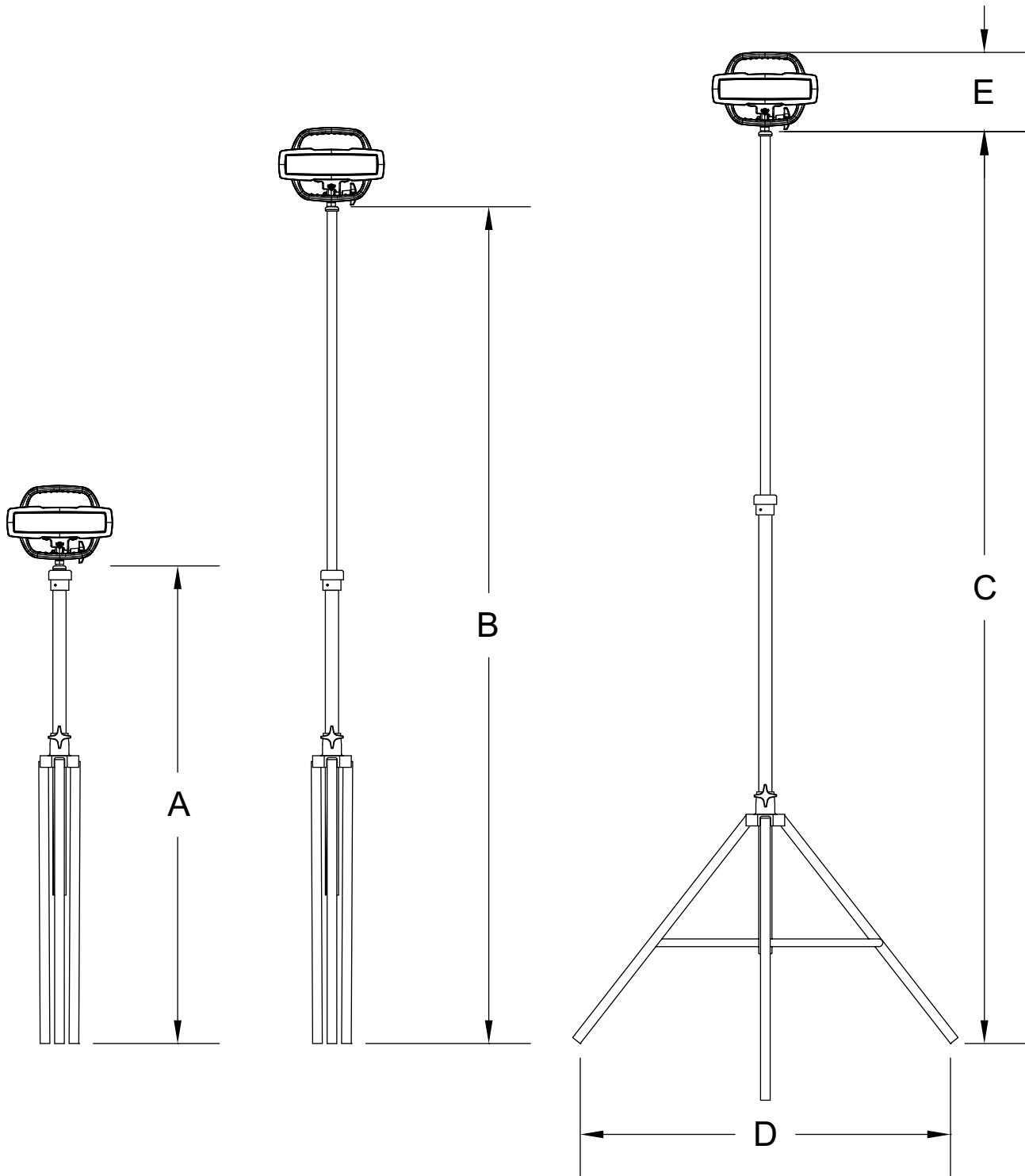


Other Options:



LC
Locking Collar

Extenda-Lite® Extenda-POD Dimensions



	POLE DIMENSIONS (mm)			
	A	B	C	D
T1	60" (1524 mm)	106" (2692.4 mm)	118" (2997.2 mm)	48" (1219.2 mm)
T4	52" (1320.8 mm)	74" (1879.6 mm)	96" (2438.4 mm)	48" (1219.2 mm)
T2	41" (1041.4 mm)	69" (1752.6 mm)	74" (1879.6 mm)	39" (990.6 mm)
T3	30" (762 mm)	52" (1320.8 mm)	59" (1498.6 mm)	28" (711.2 mm)
T5	26" (660.4 mm)	41" (1041.4 mm)	43" (1092.2 mm)	22" (558.8 mm)

Light Head	Head Height
	E
Beta	9" (228.6 mm)
Stonco	12" (304.8 mm)
SceneStar	12" (304.8 mm)
NightBreaker	11" (279.4 mm)
SuperLight	13" (330.2 mm)



Extenda-Lite® Pull-Up & Push-Up

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

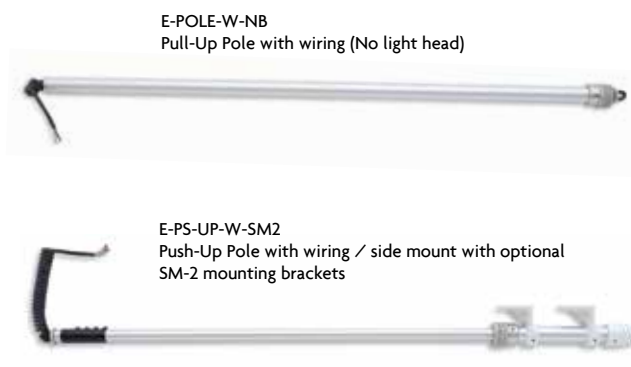
Extenda-Lite® Pull-Up & Push-Up Lights

- Fully adjustable telescoping poles
- Pull-up Styles are standard with 58" (1473.2 mm) outside poles and 48" (1219.2 mm) inside poles
- Push-up Styles are standard with 11.5" (292.1 mm) outside poles and 60" (1524 mm) inside poles
- Custom sizes available
- Heavy-duty anodized aluminum poles
- Twist Lock for quick and easy height adjustment
- Internal coil cord (standard)
- External coil cord available at no charge
- Powder coated mounting brackets
- Available with any Akron Brass light head
- Can be provided as a pole only (less the light head and brackets)



ELSS-XLDC-PU-SM
Pull-Up Side Mount
with SceneStar head
& SM-2 mounting
brackets

ELST-1500-PS-SM
Push-Up Side Mount with
Stonco light head & SM-2
mounting brackets



E-POLE-W-NB
Pull-Up Pole with wiring (No light head)

E-PS-UP-W-SM2
Push-Up Pole with wiring / side mount with optional
SM-2 mounting brackets

Mounting Options:

 SM2 Side Mount Bracket 2 1/8" Offset	 SM4 Side Mount Bracket 4 1/4" Offset	 FM Flush Mount Bracket	 TM Top Mount Bracket (For use with Pull-up)	 TR Through the Roof Bracket (For use with Push-up)	 NB No Bracket (Use this option if brackets are not required)
---	---	--	--	--	--

Other Options:

 HC-4 Handle Cup for Push-Up Lights with 4 1/4" Offset	 HC-2SC Handle Cup with Stop 2 1/8" Offset	 HC-4SC Handle Cup with Stop 4 1/4" Offset	 FM-Spacer Spacer for Flush Mount 1/2" Thick
 WO Wire Out the Top of the Pole	 KO Knurled Outside Pole (pull-up only)	 UI Up Indicator Switch	 SC Stop Collar (2 Pieces) For Inside Pole SC-171 Stop Collar (2 pieces) for outside pole. Air operated only.



Extenda-Lite Swiveling Bases (SB) & Pedestal Mount (PM)

Akron Brass' non-telescoping swivel bases provide a permanently mounted scene light designed to rotate 350° while still allowing the light head to be tilted up or down.

- Hand knobs for quick and easy swivel adjustment
- Powder coated mounting brackets
- Available with SM-4 or SM-2 offset bracket
- Available with any Akron Brass light heads



Manual Mast

This collapsible pole assembly is designed to be folded away into the stored position. It will accept a variety of light heads, strobes, or even an antenna. The Manual Mast has a footprint of just 7.5" by 42" and can be permanently mounted on a flat surface. With no internal space required for storage, this pole assembly will work anywhere side mounting or internal compartment mounting is not an option. Applications include roofs of utility vehicles or trailers, tops of skid units, or even mobile generator trailers.

- One person setup in less than a minute
- Collapsed height of 5.5"
- Various pole lengths available
- Made of the same durable materials you have come to expect from the Extenda-Lite line
- Stable in high winds
- Standard with up indicator, locking brackets, and no-mar stops



MMST (Pole only)



ELBE-500-MMST

Other Options:



LC
Locking Collar

DIN Mount

Portable version with standard DIN mount

- Mounts to standard DIN mounted tripods
- Standard with 3 meters of cable and European AC plug



ELSS-XLAC-HD-DIN

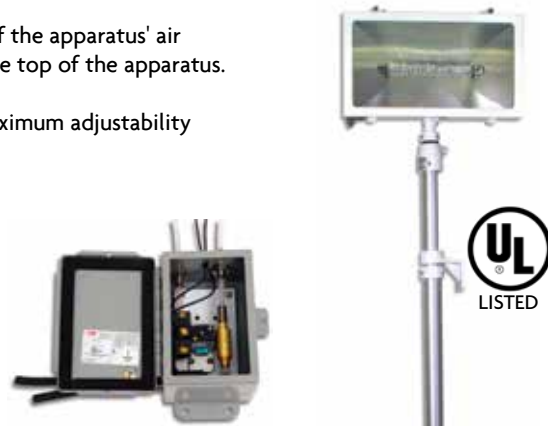


Extenda-Lite® Air Operated Mast

Extenda-Lite® Air Operated Poles (AO)

This pneumatically raised telescoping pole has been designed to operate off the apparatus' air system and provide effective scene lighting while keeping firefighters off the top of the apparatus.








- Light head can be manually rotated left and right and up and down for maximum adjustability
- Heavy-duty anodized aluminum poles
- Weatherproof control box with built-in air controls
- Pressure switch inside the control box turns on the light when raised
- Internally coiled cord
- Available with any Akron Brass light head
- Can be fitted with other equipment such as: cameras, weather instruments, antennas or rotating lights
- Standard sizes are: 48 (Side Pole)/58 (outside) - 104" Extended length
38 (Side Pole)/48 (outside) - 84" Extended length



AO-1
Air Control Box

ELST-1500-AO-SM
Includes Air control Box

Mounting Options:

- | | | |
|--|---|--|
| 
SM-2-LC
Side Mounting Bracket with lock. Holds any pole 2 1/8" away from body. Designed for use with Air Operated Poles | 
TM-LC
Top Mounting Bracket with lock. Designed for use with Air Operated Poles | 
SM-4-LC
Side Mounting Bracket with lock. Holds any pole 4 1/4" away from body. Designed for use with Air Operated Poles |
| 
SM2
Side Mount Bracket 2 1/8" Offset | 
SM4
Side Mount Bracket 4 1/4" Offset | 
FM
Flush Mount Bracket |
| 
TM
Top Mount Bracket | NB
No Bracket
(Use this option if brackets are not required) | |

Recessed Lights

Akron Brass' Recessed lights are designed for compact apparatus perimeter lighting.

Recessed Light (RM)

- Available with Beta or SceneStar lights
- Recessed within the apparatus body panel
- Mounts with less than 2" of depth
- Completely accessible from the front for easy bulb replacement on Beta light
- Available in either 0 or 16 degree (Beta)



ELSS-XLAC-RM



ELBE-650-RM-16
Recessed Beta Light



ELSS-SLDC-RM

Brow Lights

Akron Brass' Brow lights are designed for compact apparatus perimeter lighting.

Beta Brow Light (BL)

- Exterior mounted
- Universal mounting brackets
- Can be set to any desired angle
- Various mounting positions
- Completely accessible from the front for easy bulb replacement



EKSS-XLDC-BL
19k SceneStar Brow Light



ELBE-500-BL
Beta Brow Light

ScenStar Brow Light (BL)

- Designed specifically to fit the profile of the cab
- Provide CAB information when ordering
- Available with AD & DC SceneStars

Extenda-Lite® Ordering Information



Extenda-Lite Ordering Information

To order simply choose one from column **A** (Light Head, pages 130-131), one from column **B** (Mounting Type, pages 132-136)

Mounting brackets from column **C** (Mounting brackets, page 132-136) & any additional options from column **D** (Options, page 132-136)

A

B

C

D

Light Head*	Mounting Type	Description	Mounting Brackets	Description	Options	Description
ELSS-SLDC	PL	Portable	SM2	2" Side Mount	FM-Spacer	Flush Mount Spacer
ELSS-XLDC	PU-PL	Pull-Up with Portable	SM2-LC	2" Side Mount with lock	HC-2	2" Handle Cup
ELSS-XLAC	PU	Pull-Up	SM4	4" Side Mount	HC-2SC	2" Handle cup w/stop
ELNB-150	PS-PL	Push-Up with Portable	SM4-LC	4" Side Mount with lock	HC-4	4" Handle Cup
ELNB-300	PS	Push-Up	FM	Flush Mount	HC-4SC	4" Handle Cup w/stop
ELNB-500	POD	Tripod	TM	Top Mount	TLC	Tripod Locking Collar
ELNB-750	POD-PL	Tripod with Portable	TM-LC	Top Mount with lock	LC	Locking Collar
ELBE-150	SB	Swivel Base	EX	Extrusion Mount	WG	Wire Guard
ELBE-300	SB-PL	Swivel Base with Portable	NB	No Bracket	SW	Switch
ELBE-500	RM-0	Recessed Mount w/0° angle (Beta or ELSS-SLDC)	TR	Through the roof	UI	Up Indicator Switch
ELBE-650	RM-10	Recessed Mount w/10° angle (ELSS-SLDC only)	PB	3 Piece Tripod mount	KO	Knurled Outside Pole
ELBE-750	RM-16	Recessed Mount w/16° angle (Beta only)	PBL	3 Piece long Tripod Mount	DH	Dual Head
ELST-150	BL	Brow Light (Beta or SceneStar only)	PRO	Pod Ring Only	SC	Stop Collar
ELST-300	MMST	Manual Mast	PLO	Pod Ring Long Only	SC-171	Stop Collar - AO pole
ELST-500	AO	Air Operated Pole	PLMT	Portable mount for PL	B	Bottom Handle Only
ELST-1000	PM	Pedestal Mount	PL-Pole-MT**	PL mount on SB, POD, PS, PU	WO	Wire Out The Top
ELST-1500	DIN	DIN Mount (SceneStar Only)				
ELST-12V1						
ELST-12V2						
ELST-DM						
ELSL-1000						

*Refer to Pages 130 - 131 for Light Head options

** When ordering a PL base on a SB, POD, PS, or PU, PL-POLE-MT must be added. Refer to Price Guide for pricing with this bracket

NOTE: To order pole only, do not include column "A".

Example 1: ELST-500-PU-SM2-UI

500 watt Stonco light with Pull-Up Poles & 2" Side Mount Brackets and a Up Indicator

ELST-500 - **PU** - **SM2** - **UI** = **ELST-500-PU-SM2-UI**

A **B** **C** **D**

Example 2: ELBE-300-PU-SM4-DH-UI-SW

300 watt Beta light with Pull-Up Poles, 4" Side Mount Brackets, Dual Head, Up Indicator & Switch

ELBE-300 - **PU** - **SM4** - **DH** - **UI** - **SW** = **ELBE-300-SM4-DH-UI-SW**

A **B** **C** **D**



 **AKRON**
FIRE DEPARTMENT



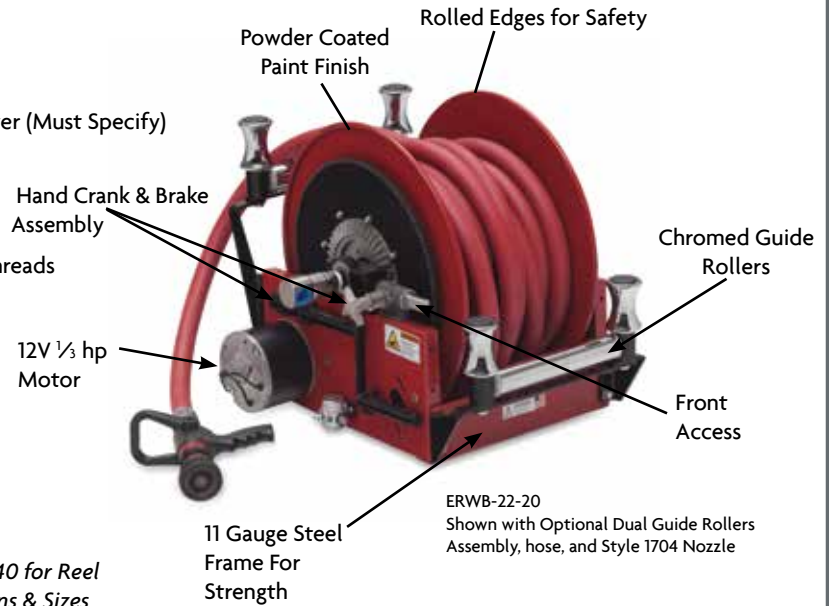
The Akron Brass Booster Reel is designed to be light weight and extremely durable. There are more options than ever as these reels are available in multiple sizes, and in both electric and manual rewind.

ERWB & MRWB

- Heavy-duty construction for durability
- All stainless steel hardware
- Powder coated finish, standard colors are red and silver (Must Specify)
- Enclosed Hub
- Rolled edge discs
- Swept axle for reduced friction loss
- NFPA compliant
- Standard inlet: 90° super swivel with 1" female NPT threads
- Standard outlet: 1" male NST threads (1 3/8" x 8 TPI)
- 1000 PSI pressure rating
- Hand crank & brake
- Handles 3/4" (19 mm) and 1" (25 mm) Booster Hose
- 1/3 hp motor

Additional Options:

- Chrome plated spools & rollers
- Control box with switch & breaker
- Speed control
- 1/2 hp motor
- 24V motor
- NPSH or BSP outlet threads
- Front access location options
 - 30°
 - Vertical
- Hose - See below



See Page 140 for Reel Dimensions & Sizes



MRWB-16-28
Shown with Optional Guide Rollers Assembly



MRWB-24-20

Boostlite® Forestry Hose

Akron Brass is now offering a superior **lightweight**, heavy-duty fire hose. This hose works great for wildland brush fire truck attack hose, range control attack hose, and booster reel hose.

- Kink resistant, even at low pressures.
- Bend radius is less than 3.5" (8.9 cm) for a 3/4 inch (19mm) hose, and 4.5" (11.4 cm) for a 1 inch (25mm) hose.
- Non-Collapsible and fits standard Akron Brass hose reels.
- Heavy duty spun yarn construction.
- The lining process produces an amazingly thin but smooth inner waterway, yielding an extremely low friction loss for maximum flow.
- Standard Strobe Yellow Permatek™ HP treatment for greater visibility & abrasion resistance and also greatly reduces moisture absorption through the jacket.
- Resistant to most chemicals, petrol products, ozone & U.V. exposure, hydrolysis, and rot & mildew.
- Temperature range of -60° F to 140° F (- 50° C to 60° C).



Lightweight



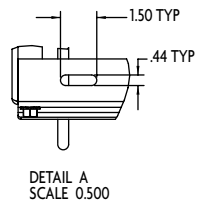
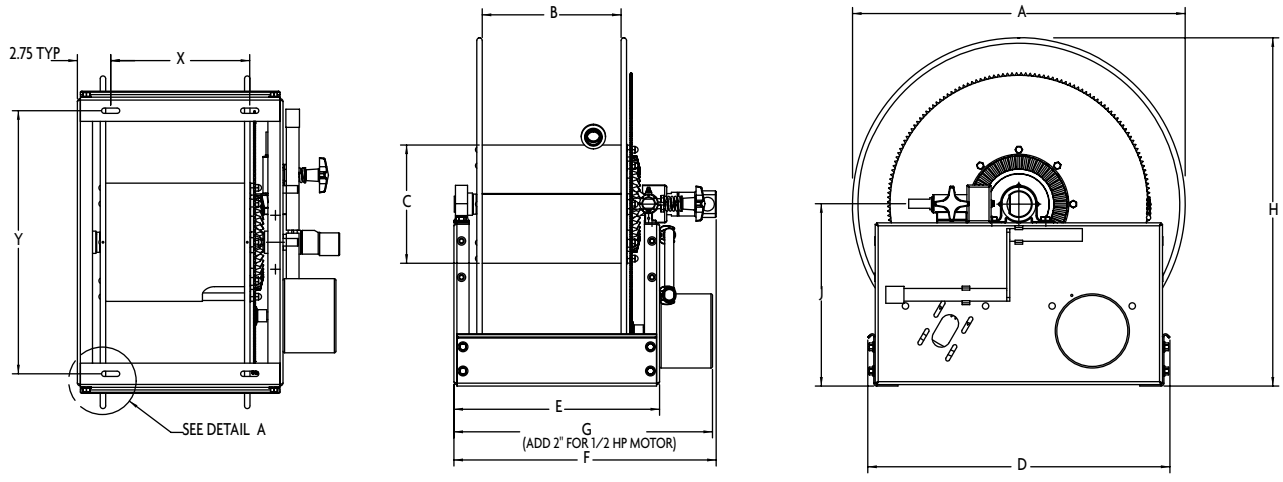
Booster 1"
Standard Booster
Hose also available.

Hose Type	Internal Diameter	Operating Pressure (psi)	Burst Pressure (psi)	Weight (lb/foot)	Color	Lengths	Hose Fittings
Lightweight	1" (25 mm)	400 (27 bar)	2000 (138 bar)	.193 w/o couplings	Yellow	50', 100', 150', & 200' (15.2 m, 30.5 m, 45.7 m & 61 m) (lengths over 100' are spliced)	NST or NPSH aluminum couplings (rocker lug or pin hole)"
Booster 1"	3/4" or 1" (19 m or 25 m)	800 (55 bar)	3200 (220 bar)	3/4" = .42 1" = .60	Red	50', 100', 150', & 200' (15.2 m, 30.5 m, 45.7 m, 60 m, 61 m & 90 m)	NST or BSP aluminum couplings (metric hoses have brass NST)"

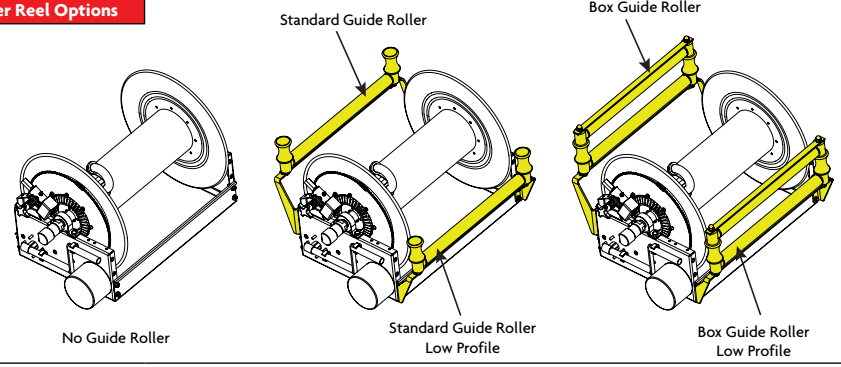


Booster Reels

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Booster Reel Options



MODEL	HOSE CAPACITY		Weight (Less Hose)	A	B	C	D	E	F	G	H	J	X	Y
	3/4" (19mm)	1" (25mm)												
ERWB-16-24	125' (38m)	75' (23m)	-	16.00 (406)	24 (610)	8.00 (203)	17.50 (445)	29.83 (758)	34.54 (877)	34.15 (867)	17.57 (446)	9.30 (236)	24.00 (610)	14.25 (362)
ERWB-16-28	150' (46m)	100' (31m)	114 lbs. (52.7 kg)	16.00 (406)	28 (711)	8.00 (203)	17.50 (445)	33.83 (859)	38.54 (979)	38.15 (969)	17.57 (446)	9.30 (236)	28.00 (711)	14.25 (362)
ERWB-22-11	125' (38m)	75' (23m)	-	22.00 (559)	11.50 (292)	10.00 (254)	21.00 (533)	17.00 (432)	21.68 (551)	21.38 (543)	22.41 (569)	11.45 (291)	11.50 (292)	17.75 (451)
ERWB-22-15	175' (54m)	100' (31m)	-	22.00 (559)	15.50 (394)	10.00 (254)	21.00 (533)	21.00 (533)	25.68 (652)	25.38 (645)	22.41 (569)	11.45 (291)	15.50 (394)	17.75 (451)
ERWB-22-20	225' (69m)	150' (46m)	115 lbs. (52.1 kg)	22.00 (559)	20.00 (508)	10.00 (254)	21.00 (533)	25.50 (648)	30.18 (767)	29.88 (759)	22.41 (569)	11.45 (291)	20.00 (508)	17.75 (451)
ERWB-22-24	300' (92m)	200' (61m)	-	22.00 (559)	24.00 (610)	8.00 (203)	21.00 (533)	29.85 (758)	34.31 (871)	34.23 (870)	22.41 (569)	11.45 (291)	24.00 (610)	17.75 (451)
ERWB-22-28	350' (107m)	225' (69m)	-	22.00 (559)	28.00 (711)	8.00 (203)	21.00 (533)	33.85 (860)	38.31 (973)	38.23 (971)	22.41 (569)	11.45 (291)	28.00 (711)	17.75 (451)
ERWB-24-11	150' (46m)	100' (31m)	-	24.00 (610)	11.50 (292)	10.00 (254)	25.00 (635)	17.00 (432)	21.68 (551)	21.38 (543)	27.04 (687)	15.08 (383)	11.50 (292)	21.75 (553)
ERWB-24-15	225' (69m)	125' (38m)	-	24.00 (610)	15.50 (394)	10.00 (254)	25.00 (635)	21.00 (533)	25.68 (652)	25.38 (645)	27.04 (687)	15.08 (383)	15.50 (394)	21.75 (553)
ERWB-24-20	300' (92m)	175' (54m)	117 lbs. (53 kg)	24.00 (610)	20.00 (508)	10.00 (254)	25.00 (635)	25.50 (648)	30.18 (767)	29.88 (759)	27.04 (687)	15.08 (383)	20.00 (508)	21.75 (553)
ERWB-27-11	225' (69m)	150' (46m)	114 lbs. (52.7 kg)	27.50 (699)	11.50 (292)	10.00 (254)	25.00 (635)	17.00 (432)	21.68 (551)	21.38 (543)	28.79 (731)	15.08 (383)	11.50 (292)	21.75 (553)
ERWB-27-15	300' (92m)	200' (61m)	116 lbs. (52.6 kg)	27.50 (699)	15.50 (394)	10.00 (254)	25.00 (635)	21.00 (533)	25.68 (652)	25.38 (645)	28.79 (731)	15.08 (383)	15.50 (394)	21.75 (553)
ERWB-27-20	400' (122m)	250' (77m)	-	27.50 (699)	20.00 (508)	10.00 (254)	25.00 (635)	25.50 (648)	30.18 (767)	29.88 (759)	28.79 (731)	15.08 (383)	20.00 (508)	21.75 (553)
ERWB-29-11	250' (77m)	175' (54m)	-	29.00 (737)	11.50 (292)	10.00 (254)	25.00 (635)	17.00 (432)	21.68 (551)	21.38 (543)	29.54 (750)	15.08 (383)	11.50 (292)	21.75 (553)
ERWB-29-15	350' (107m)	225' (69m)	-	29.00 (737)	15.50 (394)	10.00 (254)	25.00 (635)	21.00 (533)	25.68 (652)	25.38 (645)	29.54 (750)	15.08 (383)	15.50 (394)	21.75 (553)
ERWB-29-20	450' (138m)	300' (92m)	-	29.00 (737)	20.00 (508)	10.00 (254)	25.00 (635)	25.50 (648)	30.18 (767)	29.88 (759)	29.54 (750)	15.08 (383)	20.00 (508)	21.75 (553)

- NOTES:
- When installing guide rollers ERWB-GR, Add 4-1/2" to "D" dimension.
 - The "G" dimension is for 1/3 HP motors. Add 2" for 1/2 HP motors. Reels handling 200' or more must use 1/2 HP motor.
 - Reels can be supplied with 1/3 HP And 1/2 HP motors in 12V or 24V.
 - A flexible connector must be used between the inlet pipe and the inlet swivel joint.
 - For manual rewind reels, use prefix "MRWB" in place of "ERWB".
 - Additional configurations are available upon request.

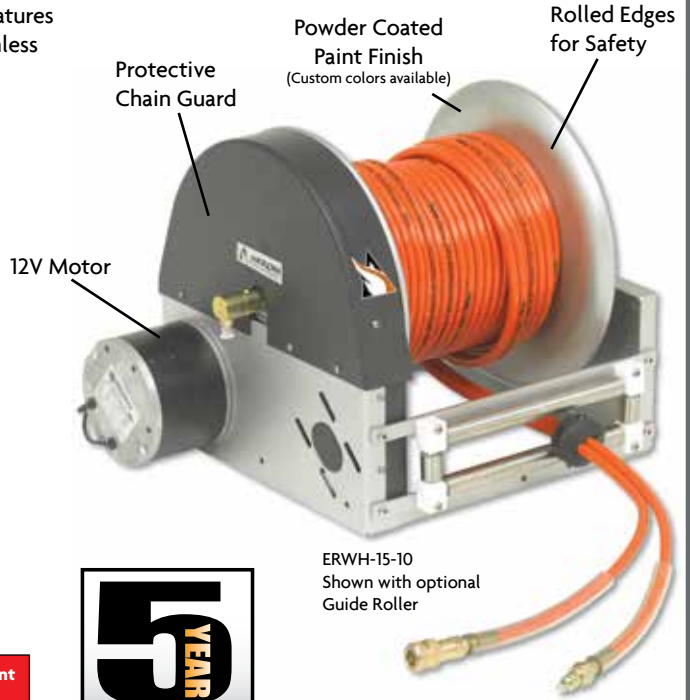


Electric Rewind Hydraulic Reel

The Electric Rewind Hydraulic Reel (ERWH) has many of the same features and durability as all Akron Reels such as a powder coated finish, stainless steel hardware and ease with installation.

ERWH-15-10, ERWH-16-6, ERWH-10-16

- Heavy-duty construction for durability
- All stainless steel hardware and rollers
- Powder coated finish, standard colors are red and silver
- Rolled edge discs
- Universal frames for flexibility of installation (4 motor locations)
- Rear motor mount option for narrower profile; maximizes compartment space
- Removable hub for ease of installation
 - Hub is easily removed to mount frame to apparatus
- Inlet: 1/4" NPT female threads
- Outlet: #4 JIC male threads
- Hydraulic hose packages available
- Meets NFPA requirements, allows for 10% overage of hose
- Tested at a 2:1 safety factor



ERWH-15-10
Shown with optional
Guide Roller



See Page 144 for Reel
Dimensions & Options

Hydraulic

Part Number	Rated PSI *	1/4" (6.4 mm) Hose Max Capacity	Side Mount Motor	Rear Mount Motor
ERWH-15-10	10,000 (690 bar)	100' (30.5 m)	Yes	Yes
ERWH-10-16	10,000 (690 bar)	80' (24.4 m)	No	Yes
ERWH-16-6	10,000 (690 bar)	100' (30.5 m)	Yes	Yes

* Tested at 2:1 safety factor



ERWH-16-6
Shown with optional hydraulic hose.



ERWH-10-16
Compact configuration for use with limited compartment space. Standard with guide rollers and speed control.

Twin Hose Options

- Acceptable for use with phosphate ester hydraulic fluid

*Single line lead-in hose available (need 2)

Hydraulic Twinline Hose	Internal Diameter	Operating Pressure (psi)	Burst Pressure (psi)	Colors Available	Lengths	Hose Fittings *
5,000 psi	1/4" (6.4 mm)	5,000 psi (345 bar)	20,000 psi (1379 bar)	Orange Blue Green Red Yellow	50' & 100' (15 & 31 m)	#4 Female JIC swivel x #6 Male O-Ring BOSS
10,000 psi	1/4" (6.4 mm)	10,000 psi (690 bar)	40,000 psi (2758 bar)	Orange Black Blue Red Yellow	100' (31 m)	#4 Female JIC swivel x #6 Male O-Ring BOSS or #4 Female JIC swivel x 1/4 Male BSP thread



* Quick connect couplers available - call for availability



Electric Rewind Reels

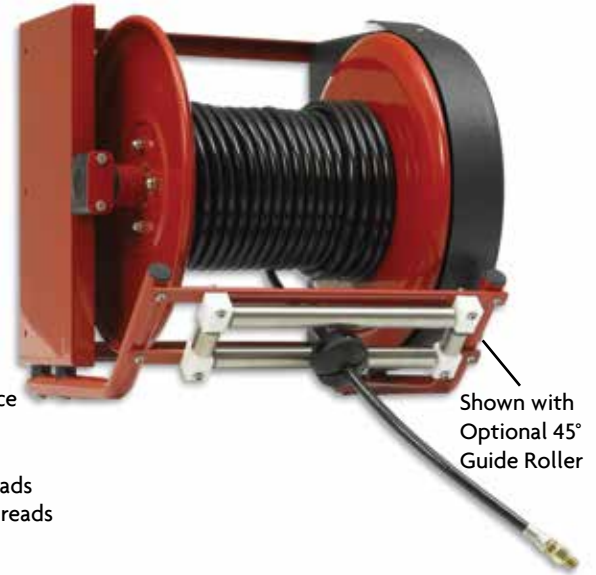
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Electric Rewind Air Reel

The Electric Rewind Air Reels have many of the same features and durability as all Akron Reels. These include a powder coated finish, stainless steel hardware and ease with installation. There are two versions: the utility air reel (ERWU) for air tools (300 psi), and breathing air (ERWBA) reels that work with both low pressure (3000 psi) and high (6,000 psi).

ERWU-15-10; ERWU-10-16; ERWU-16-6;
ERWA-15-10; ERWA-10-16; ERWA-16-6

- Heavy-duty construction for durability
- All stainless steel hardware and rollers
- Powder coated finish, standard colors are red and silver
- Rolled edge discs
- Universal frames for flexibility of installation (4 motor locations)
- Rear motor mount option for narrower profile; maximizes compartment space
- Removable hub for ease of installation
 - Hub is easily removed to mount frame to apparatus
- Inlet: Utility air is 1/4" female NPT threads and breathing air is #4 JIC male threads
- Outlet: Utility air is 1/4" female NPT threads and breathing air is #4 JIC male threads
- Air hose packages available

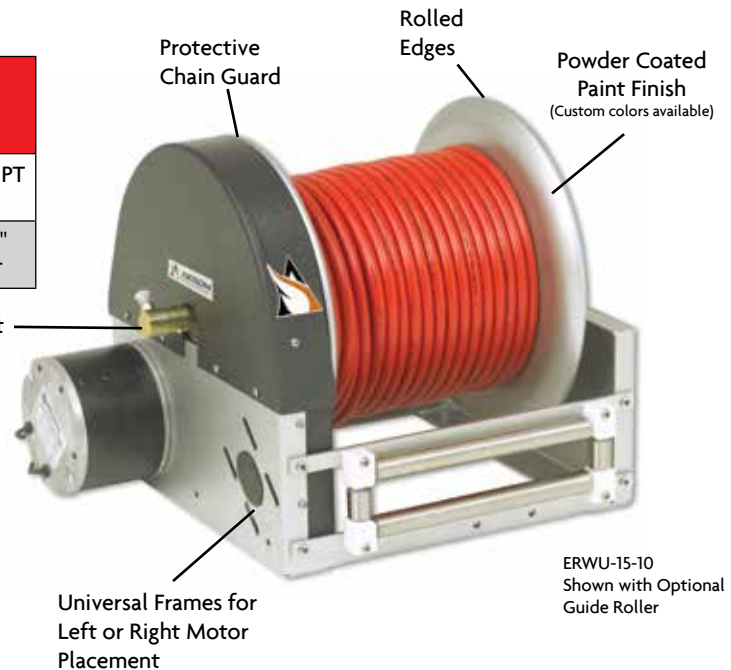


Part Number	Rated PSI*	Hose Capacity**	Side Mount Motor	Rear Mount Motor
ERWU-15-10	300 (21 bar)	200' of 3/8" (61 m of 9.5 mm) 150' of 1/2" (45.7 m of 12.7 mm)	YES	YES
ERWA-15-10	6000 (414 bar)	Up to 300' of 1/4" (92 m of 4.6 mm)	YES	YES
ERWU-16-6	300 (21 bar)	150' of 3/8" (46 m of 9.5 mm) 100' of 1/2" (31 m of 12.7 mm)	YES	YES
ERWA-16-6	6000 (414 bar)	Up to 200' of 1/4" (61 m of 6.4 mm)	YES	YES
ERWU-10-16	300 (21 bar)	100' of 3/8" (31 m of 9.5 mm) 50' of 1/2" (15 m of 12.7 mm)	NO	YES
ERWA-10-16	6000 (414 bar)	Up to 150' of 1/4" (46 m of 6.4 mm)	NO	YES

* Tested at a 2:1 safety factor

** Allows for 10% overage of hose capacity

Utility Air Hose	ID	"Working Pressure (psi)"	Lengths	Hose Fittings
300 psi	3/8"	300	100', 150', & 200'	1/4" Male NPT
300 psi	1/2"	300	150' & 200'	1/4" x 3/8" Male NPT



See Page 144 for Cord Reel Dimensions & Options



These reels are built to Akron Brass' standard of performance and reliability. They have a powder coated finish and stainless steel hardware for years of durable service life. In addition, these reels are some of the most versatile reels available. If the desired motor location is known, simply specify and we will ship the reel ready to mount. They can be mounted on the floor, back wall or even the ceiling of any compartment. The guide rollers can be ordered in various configurations to make sure the cord or hose wraps correctly no matter where the reel is mounted.

Electric Rewind Cord Reel

The Electric Rewind Cord Reel is a natural extension of our current line of power distribution equipment. This reel contains many great features including:

ERWC-15-10, ERWC-16-6, ERWC-10-16 & ERWC-10-28

- Internally grounded
- Heavy-duty construction for durability
- All stainless steel hardware and rollers
- Powder coated finish, standard colors are red and silver
- Rolled edge discs
- Live slip ring design
- Custom length cords and connections available
- Meets NFPA requirements, allows for 10% overage of cord

Cord

Part Number	12/3 600 V Cord Capacity	10/3 600 V Cord Capacity	10/4 & 12/4 Cord Capacity	Side Mount Motor	Rear Mount Motor
ERWC-15-10	250' (76.2m)	200' (61m)	200' (61m)	Yes	Yes
ERWC-16-6	175' (53.3m)	150' (45.7m)	-	Yes	Yes
ERWC-10-16	150' (45.7m)	100' (30.5m)	100' (30.5m)	No	Yes
ERWC-10-28	250' (76.2m)	200' (61m)	200' (61m)	No	Yes

See Page 132 for Cord Reel Dimensions & Options



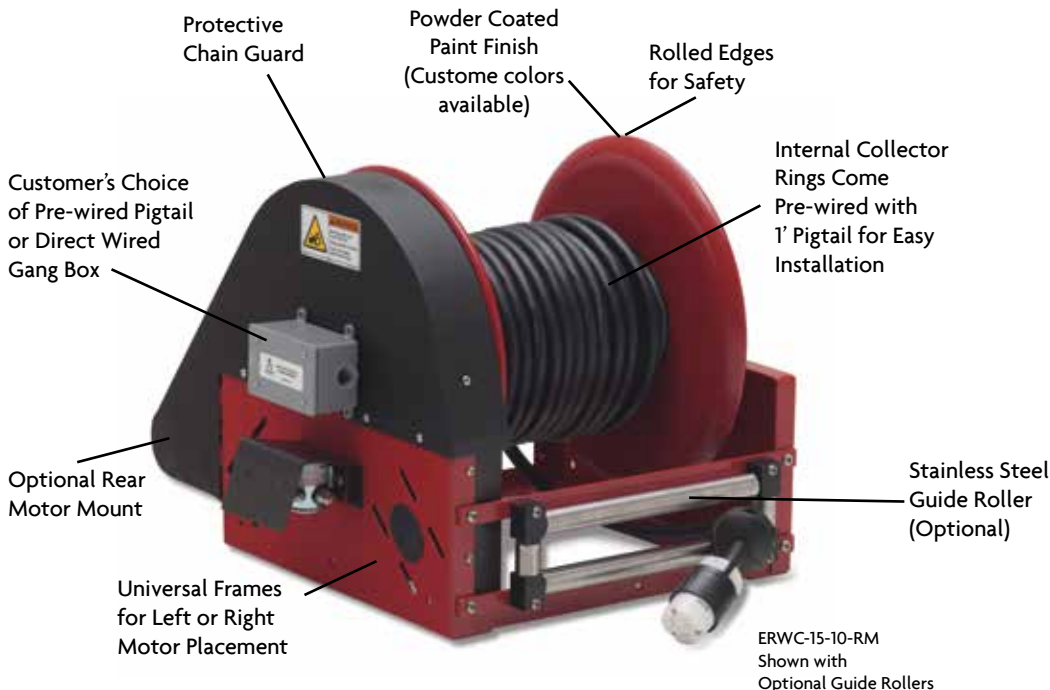
ERWC-16-6
New compact configuration for use with limited compartment space, Shown with optional guide rollers and cord.



ERWC-10-16
Shown with optional guide rollers and cord.



ERWC-10-28
Shown with optional guide rollers and cord.

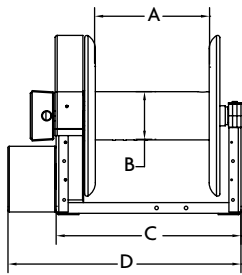




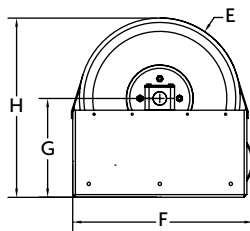
Electric Rewind Reels

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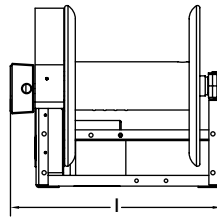
MOTOR POSITIONS
1-4 DIMENSIONS



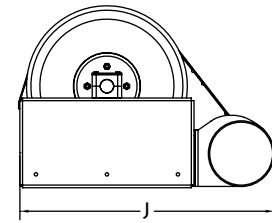
MOTOR POSITIONS
1-4 DIMENSIONS



REAR MOTOR
POSITION DIMENSIONS



REAR MOTOR
CONFIG DIMENSIONS



Standard Reel Chart

PART NUMBER	REEL TYPE	A	B	C	D	E	F**	G	H	I*	J*
ERWC-15-10	CORD	10.7	4.5	17.3	22	15	17	9.3	16.8	19.6	23.9
ERWC-16-6	CORD	5.6	4.5	11	15.2	16.5	17	9.3	17.7	13.3	23.9
ERWH-15-10	HYDRAULIC	10.7	4.5	17.3	22.7	15	17	9.3	16.8	19.1	23.9
ERWH-16-6	HYDRAULIC	5.6	4.5	11	16.1	16.5	17	9.3	17.7	12.7	23.9
ERWA-15-10	BREATHING AIR	10.7	4.5	17.3	22	15	17	9.3	16.8	19.1	23.9
ERWA-16-6	BREATHING AIR	5.6	4.5	11	16.1	16.5	17	9.3	17.7	12.7	23.9
ERWU-15-10	UTILITY	10.7	4.5	17.3	22	15	17	9.3	16.8	19.1	23.9
ERWU-16-6	UTILITY	5.6	4.5	11	16.1	16.5	17	9.3	17.7	12.7	23.9

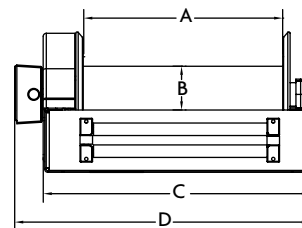
*I and J are for rear motor mount only

**F does not apply to rear mount

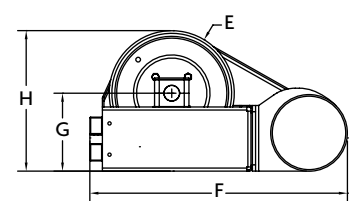
Low Profile Chart

PART NUMBER	REEL TYPE	A	B	C	D	E	F	G	H
ERWC-10-16	CORD	16	4.5	21.3	23.7	10	19.6	6.2	11.2
ERWC-10-28	CORD	16	4.5	33.4	35.7	10	19.6	6.2	11.2
ERWH-10-16	HYDRAULIC	16	4.5	21.3	23.9	10	19.6	6.2	11.2
ERWU-10-16	UTILITY	16	4.5	21.3	23	10	19.6	6.2	11.2
ERWA-10-16	BREATHING AIR	16	4.5	21.3	23.7	10	19.6	6.2	11.2

LOW PROFILE DIMENSIONS

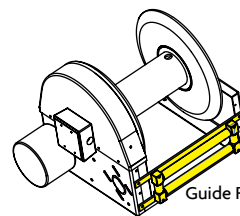


LOW PROFILE DIMENSIONS

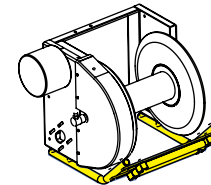


NOTE: Some dimensions may vary slightly.

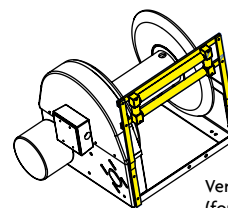
Ball Stops	
CS-08	Cord Stop for 8 Gauge Wire
CS-10	Cord Stop for 10 Gauge Wire
CS-12	Cord Stop for 12 Gauge Wire
HS-BA	Hose Stop for Breathing Air Hose
HS-TOOL	Hose Stop for Utility Air Hose
HS-TWIN	Hose Stop for 1/4" Twin Line Hose
Guide Rollers	
GR	Guide Roller Assembly
GR-V45	Guide Roller Assembly (Vertical 45 Degree Angle)
GR-V90	Guide Roller Assembly (Vertical 90 Degree Angle)
GR-V0	Guide Roller Assembly (Vertical 0 Degree Angle)
GR-THRU	Guide Roller Assembly (Thru Compartment Flush Mount)
Control Boxes	
ERW-SL	Control Box with Switch and Breaker Only
ERW-SCS	Control Box with Speed Control
Rear Mount	
ERW-RMC	Rear Mount Conversion Kit for Electric Rewind Reels
Brake	
ERW-BR1	Brake For All Reels With Hose



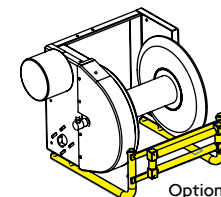
Guide Roller (GR)



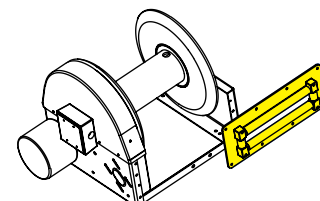
Optional 45° Guide Roller



Vertical (GR-V0)
(for upside down applications)



Optional 90° Guide Roller



Thru Compartment/Flush Mount (GR-THRU)



Akron Brass Cord Reels are the ultimate in managing portable power cords. The Cord Reel allows for fast, easy deployment and retraction of extension cords without the hassle of twisting or knotting. Akron Cord Reels are available in Live and Non-Live configurations.

- All live reels are internally grounded
- Available in 3 sizes 10", 15" & 18"
- Heavy-duty construction
- Powder coated
- Live slip ring design
- Adjustable tension nut
- 6' direct wire pigtail (10/3 Black)
- Meets NFPA requirements

Additional Options

- NEMA configuration connectors
- Heavy-duty cord & connectors (custom lengths)
- ECR-MT cord reel mounting bracket

ECRP-18, ECRP-15, & ECRP-10 are live cord reels allowing continuous power to the cord as it is deployed or retracted while providing excellent storage and organization of extension cords.

ECRP-18-GB, ECRP-15-GB, & ECRP-10-GB are live cord reels with a gang box permanently mounted to the axle. Simply plug the cord into a receptacle and carry the reel to the fire ground or work site.

Cord Reel Lights are reverse wired live cord reels, which allows a plug on the cord to be plugged into a power source while the Cord Reel Light is carried to the fire ground or work site. The Cord Reel Light allows the scene to be illuminated while providing a receptacle for additional tools or lights. Akron Brass' Cord Reel Lights come in several variations with either 500 or 750 Watt low profile Beta Light heads or LED SceneStar.

NCRP-18, NCRP-15, & NCRP-10 are non-live cord reels providing excellent storage and organization of extension cords.

NCRP-18-GB, NCRP-15-GB, & NCRP-10-GB are non-live cord reels with a gang box permanently mounted to the reel. Simply plug the cord into a receptacle and carry the reel to the fire ground or work site.



ECRP-15
15" Cord Reel with
optional cord



ECRP-10-GB
10" Live Cord Reel
with gang box



ECRP-10-ELSS-XLAC



ECRP-10-ELBE-500
10" Cord Reel
Light with
optional
yellow cord



18" Cord Reel

15" Cord Reel

10" Cord Reel



NCRP-18
18" Non-Live
Cord Reel



ECR-MT
Cord Reel
mounting brackets

Cord Type	10" Cord Reel Capacity	Weight W/cord	15" Cord Reel Capacity	Weight W/cord	18" Cord Reel Capacity	Weight W/cord
14/3-300 Volt	150' (45.7 m)	22# (10 kg)	300' (91.5 m)	46# (20.1 kg)	450' (137 m)	61# (27.7 kg)
12/3-300 Volt	100' (30.5 m)	22# (10 kg)	200' (61 m)	46# (20.1 kg)	300' (91.5 m)	61# (27.7 kg)
10/3-300 Volt	N/A	N/A	100' (30.5 m)	42# (19 kg)	175' (53.3 m)	60# (27.2 kg)
14/3-600 Volt	50 (15.2 m)	17# (7.7 kg)	125' (38 m)	37# (16.8 kg)	225' (68.7 m)	54# (24.5 kg)
12/3-600 Volt	N/A	N/A	100' (30.5 m)	41# (18.6 kg)	150' (46 m)	54# (24.5 kg)
10/3-600 Volt	N/A	N/A	75' (22.8 m)	40# (18.1 kg)	100' (30.5 m)	49# (22.3 kg)



LEDGEN

DC 12V 1A

50 AMP REVERSE

HONDA



The Akron Brass Junction Box is a must have on every apparatus, as it provides easy distribution of power for all your electrical needs on the fire ground. The Junction Box's durable design utilizes a heavy duty powder coated aluminum housing with a large integral handle and internally backlit faceplates. This makes the Junction Box easy to carry with excellent visibility, allowing easy electrical connection in the darkest conditions. Akron Brass Junction Boxes can be custom configured to meet your department's needs. Inlet options include: a flanged inlet plug, a 12" pigtail with any grounded NEMA plug configurations, or pre-wired for hard wiring the unit onto a cord reel or electrical cord set. Outlet receptacle options include any NEMA configurations for each of the four receptacles.

- Durable powder coated aluminum construction
- Backlit faceplates
- Custom configurations
- Easy to carry
- UL listed plugs and receptacles
- Meets NFPA requirements
- 9 1/4" (235 mm) L x 5 1/2" (104 mm) W x 8 1/2" (216 mm) H
- Standard color: Gray unless specified

Additional Options:

- 30 Amp or dual inlet configurations
- GFCI protected receptacles
- 15, 20 or 30 amp circuit breakers
- Custom powder paint (yellow, red, white, or black)
- Rubber feet
- Wire mesh cord grip



EJBX-MT - can mount a Junction Box on its side or upside down



Junction Box with EJBX-VMT Mounting Bracket



Junction Box with EJBX-MT Mounting Bracket



Junction Box with EJBX-HMT-TP Mounting Bracket



EJBX-HANGER Junction Box Hanger

Junction Box ready for Direct Wiring



EJBX-CUSTOM-CB Junction Box with 4 circuit breakers



Junction Box with Pigtail and Plug


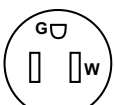
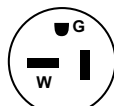

















JUNCTION BOX OPTIONS	
EJBX- MT	Apparatus Mounting Bracket Set
EJBX-VMT	Vertical Mounting Bracket, powder painted White (Black, Yellow or Red available upon request)
EJBX-VMT-TP	Aluminum treadplate vertical mounting bracket
EJBX-HMT	Horizontal Mounting Bracket, powder painted White (Black, Yellow or Red available upon request)
EJBX-HMT-TP	Aluminum treadplate horizontal mounting bracket
EJBX-Hanger	Junction Box Hanging Strap; allows hanging on ladders, out of water.
EJBX-GFI	Household duplex receptacle (Note: The GFCI receptacle will be wired first making all down stream receptacles protected unless requested otherwise).
BK-1	First circuit breaker with weatherproof snap cover; specify 15, 20 or 30 amp (Not available with EJB-MT).
BK-2-3-4	Second, third and fourth circuit breaker after the first breaker is ordered.
EJBX-RF	Four black rubber feet on bottom of the Junction Box
EJBX-PP	Powder coating the Junction Box; specify Yellow, Red, White or Black.
134-CG	One foot pigtail with a wire mesh cord grip; replaces standard stain relief.
L5-30 or L6-30	3-wire, 30 AMP plug, receptacle or recessed flanged inlet
L14-20	4-wire, 20 AMP plug, receptacle or recessed flanged inlet
L14-30	4-wire, 30 AMP plug, receptacle or recessed flanged inlet





Plugs & Connectors

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NEMA Number Plug	NEMA Number Connector	P/N	Description	
 NEMA 5-15P		202-PG	Household plug	15 AMP, 125V
		212-CN	Household connector	15 AMP, 125V
		222-R	Household single receptacle	15 AMP, 125V
		222-R/D	Household duplex receptacle	15 AMP, 125V
		232-FI	Household flanged inlet plug	15 AMP, 125V
 NEMA 5-20P		209-PG	Household plug	20 AMP, 125V
		219-CN	Household connector	20 AMP, 125V
		229-R	Household single receptacle	20 AMP, 125V
		229-R/D	Household duplex receptacle	20 AMP, 125V
		239-FI	Household flanged inlet plug	20 AMP, 125V
 NEMA L5-15P		203-PG	Twist lock plug	15 AMP, 125V
		213-CN	Twist lock connector	15 AMP, 125V
		223-R	Twist lock single receptacle	15 AMP, 125V
		223-R/D	Twist lock duplex receptacle	15 AMP, 125V
		233-FI	Twist lock flanged inlet plug	15 AMP, 125V
 NEMA L5-20P		204-PG	Twist lock plug	20 AMP, 125V
		214-CN	Twist lock connector	20 AMP, 125V
		224-R	Twist lock single receptacle	20 AMP, 125V
		234-FI	Twist lock flanged inlet plug	20 AMP, 125V
 NEMA L6-20P		205-PG	Twist lock plug	20 AMP, 250V
		215-CN	Twist lock connector	20 AMP, 250V
		225-R	Twist lock single receptacle	20 AMP, 250V
		235-FI	Twist lock flanged inlet plug	20 AMP, 250V
 NEMA L5-30P		208-PG	Twist lock plug	30 AMP, 125V
		218-CN	Twist lock connector	30 AMP, 125V
		228-R	Twist lock single receptacle	30 AMP, 125V
		238-FI	Twist lock flanged inlet plug	30 AMP, 125V
 NEMA L6-30P		206-PG	Twist lock plug	30 AMP, 250V
		216-CN	Twist lock connector	30 AMP, 250V
		226-R	Twist lock single receptacle	30 AMP, 250V
		236-FI	Twist lock flanged inlet plug	30 AMP, 250V
 NEMA L14-20P		701-PG	Twist lock plug	20 AMP, 125/250V
		711-CN	Twist lock connector	20 AMP, 125/250V
		721-R	Twist lock single receptacle	20 AMP, 125/250V
		731-FI	Twist lock flanged inlet plug	20 AMP, 125/250V
 NEMA L14-30P		703-PG	Twist lock plug	30 AMP, 125/250V
		713-CN	Twist lock connector	30 AMP, 125/250V
		723-R	Twist lock single receptacle	30 AMP, 125/250V
		733-FI	Twist lock flanged inlet plug	30 AMP, 125/250V
 WEATHER PROOF PLUG & COVER	 WEATHER PROOF CONNECTOR COVERS	150-RB	15 AMP connector boot	15 AMP
		151-RB	15 AMP plug boot	15 AMP
		152-RB	20/30 AMP connector boot	20/30 AMP
		153-RB	20/30 AMP plug boot	20/30 AMP





Heavy Duty Extension Cord

Akron Brass' Heavy Duty Power Cord is ideal for use with all your portable electrical requirements. This Seoprene 105 power cord is offered in either Black or Yellow colored jackets, 300 or 600-volt construction, custom lengths, and your choice of grounded plugs and connectors. Akron's Heavy Duty Cords are ideal for use on fire grounds, rescue scenes or any place you require durable, high quality, power cords.

- Superior durability
- Water & oil resistant
- UL listed
- CSA approved STW or SJTW
- MSHA approved for flame resistance
- Meets Federal Spec. JC-580B



Black Extension Cord



Yellow Extension Cord

The yellow cord has better visibility and is 25% more abrasion resistant

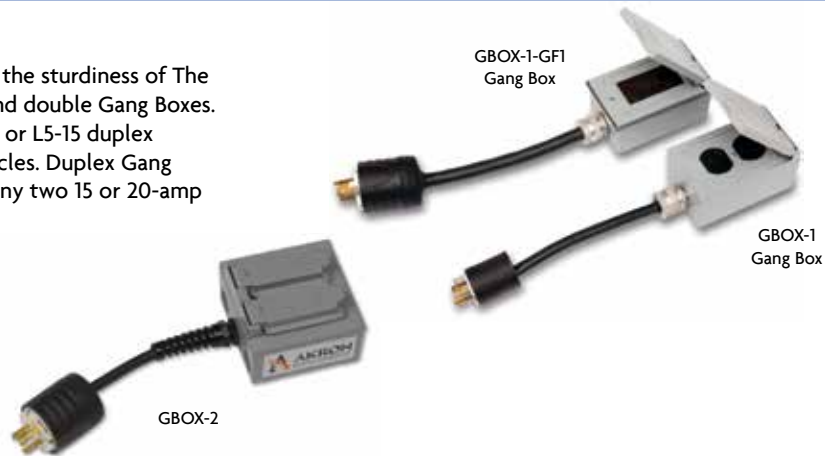
P/N	Wire Gauge	Voltage	Wire Type	Normal Od	Wt. Per 100'	Color
143B300	14/3	300	SJEOW	.370 (9 mm)	8#	Black
123B300	12/3	300	SJEOW	.435 (11 mm)	12#	Black
103B300	10/3	300	SJEOW	.580 (15 mm)	20#	Black
143B600	14/3	600	SEOW	.525 (13 mm)	14#	Black
123B600	12/3	600	SEOW	.595 (15 mm)	19#	Black
103B600	10/3	600	SEOW	.655 (17 mm)	24#	Black
104B600	10/4	600	SEOW	.705 (18 mm)	30#	Black
083B600	8/3	600	SEOW	.700 (18 mm)	33#	Black
084B600	8/4	600	SEOW	.783 (20 mm)	43#	Black
143Y300	14/3	300	SJEOW	.391 (10 mm)	8#	Yellow
123Y300	12/3	300	SJEOW	.460 (12 mm)	12#	Yellow
103Y300	10/3	300	SJEOW	.599 (15 mm)	20#	Yellow
143Y600	14/3	600	SEOW	.556 (14 mm)	14#	Yellow
123Y600	12/3	600	SEOW	.635 (16 mm)	19#	Yellow
103Y600	10/3	600	SEOW	.695 (18 mm)	24#	Yellow
104Y600	10/4	600	SEOW	.735 (19 mm)	30#	Yellow
083Y600	8/3	600	SEOW	.742 (19 mm)	33#	Yellow
084Y600	8/4	600	SEOW	.830 (21 mm)	43#	Yellow

Circuit Ampacity / Cord Length

Circuit Ampacity	50 Ft (15m)	100 Ft (30m)	150 Ft (45m)	200 Ft (60m)	250 Ft (75m)	300 Ft (90m)
5	16	16	16	16	16	14
7.5	16	16	16	16	16	14
10	16	16	16	16	14	14
15	14	14	14	14	12	12
20	12	12	12	12	12	10
25	12	12	12	12	10	10
30	10	10	10	10	10	10
35	8	8	8	8	8	8
40	8	8	8	8	8	8
50	6	6	6	6	6	6

Gang Boxes

For the departments that do not require the sturdiness of The Junction Box, Akron Brass offers single and double Gang Boxes. Single Gang Boxes are available with 5-15 or L5-15 duplex receptacles or 5-20 GFCI duplex receptacles. Duplex Gang Boxes are available with your choice of any two 15 or 20-amp straight blade or twist lock receptacles.



Pigtails

Let Akron Brass make pigtails for your equipment. We offer a wide selection of plugs and connectors to create the perfect pigtail for your apparatus shoreline or pigtails to match neighboring departments. (Caution: There is a risk of overrating the plugs or connectors when two different amperages are used.)





Generators

Honda Generators

Honda EU Series Generators: Honda EU generators represent the leading edge of portable power technology. Honda generators are the most trusted generators in the world because of their reliable, fuel efficient, quiet, and consistent delivery of power.

- Honda Inverter Technology: operates the most sensitive electronics
- Eco-Throttle System: for excellent fuel economy and quiet operation
- Electronic Ignition
- Oil Alert: Protecting your generator from devastating low oil conditions
- USDA-qualified spark arrestor/muffler

Style	Max Wattage	Running Wattage	HP	Dimensions	Dry Weight
EU1000i	1000W	900W	1.8 HP	17.7" x 9.4" x 15.0"	29 lbs
EU1000i-CA	1000W	900W	1.8 HP	17.7" x 9.4" x 15.0"	29 lbs
EU2000i	2000W	1600W	2.5 HP	20.1" x 11.4" x 16.7"	46.3 lbs
EU2000i-CA	2000W	1600W	2.5 HP	20.1" x 11.4" x 16.7"	46.3 lbs
EU3000iS	3000W	2800W	6.5 HP	25.8" x 18.9" x 22.4"	134 lbs
EU6500iS	6500W	5500W	13 HP	33.5" x 26.4" x 27.5"	253 lbs



EU6500iS



EU1000i



EU2000i



EU3000iS

Honda EM Series Generators

Honda EM Series Generators have a heavy-duty frame for added protection, voltage regulation for continuous stable power, wide handles for easy transporting, wheel kit and electric start. Honda generators are the most trusted generators in the world because of their reliable, fuel efficient, quiet, and consistent delivery of power.

- Honda Inverter Technology: operates the most sensitive electronics
- Eco-Throttle System: for excellent fuel economy and quiet operation
- Electronic Ignition
- Oil Alert: Protecting your generator from devastating low oil conditions
- USDA-qualified spark arrestor/muffler



EM5000iS

Style	Max Wattage	Running Wattage	HP	Dimensions	Dry Weight
EM5000iS	5000W	4500W	11 HP	31.9" x 26.4" x 27.2"	217 lbs

Generator Light Kits

Our Generator Light Kits incorporate a portable generator with an Akron Brass Light Head, providing a versatile portable light. These kits make it easy to light areas of a structure where typical fixed lights can not reach, or enables the release of apparatus back into service as their onboard generators and lighting are no longer needed at the emergency scene.

- 120V AC with ON/OFF switch
- Powder coated mounting brackets
- Hand knobs for quick and easy adjustment
- Available as a light kit Honda Generators
- Available with Akron Brass 300, 500, 650, or 750 Watt halogen light heads
- Available with SceneStar

Additional Options

- Heavy-duty chrome-plated wire guard
- Light kits with a Honda EU1000i or EU2000i generator (Light kits with EU2000i generators can utilize an Akron Brass 1000 or 1500Watt Halogen light head)

ELST-500-LKi



ELST-1500-HG2
Generator light kit with EU2000 Honda generator and ST Series light head



ELSS-XLAC-HK-LKi



ELSS-XLAC-HG
Generator light kit with EU1000 Honda generator and SceneStar light head



Honda Pumps

Honda Pumps are the most trusted in the world because of their reliable, fuel efficient, quiet, and easy to start engines. Akron Brass offers Lightweight, General Purpose, High Pressure, Submersible, Trash, Diaphragm and Multi-Purpose pumps.

De-Watering Pumps:

Akron Brass offers an extensive selection of de-watering pumps for irrigation, flood control, light construction, swimming pool draining, and more. Powered by Honda's easy-starting, quiet-running mini four-stroke engine, these models deliver exceptional performance in a truly lightweight package.

Style	Pump Type	Discharge Capacity	Dimensions	Dry Weight
WX10K1AT	Lightweight, Centrifugal, Self-Priming	37 GPM	12.8" x 8.7" x 11.8"	13.4 lbs
WX15AX2	Lightweight, Centrifugal, Self-Priming	72 GPM	12.8" x 10.8" x 14.8"	19.8 lbs
WB20XK2	General Purpose, Centrifugal, Self-Priming	152 GPM	17.9" x 14.4" x 16.5"	46 lbs
WB30XK2	General Purpose, Centrifugal, Self-Priming	275GPM	20.1" x 15.2" x 17.9"	60 lbs
WH15XK1	High Pressure, Centrifugal, Self-Priming	115 GPM	16.3" x 14.2" x 15.9"	48.5 lbs
WH20XK1A	High Pressure, Centrifugal, Self-Priming	134 GPM	16.7" x 14.8" x 15.9"	51.8 lbs



WX10K1AT



WX15AX2



WB20XK2



WB30XK2



WH15XK1



WH20XK1A

Construction & Multi-Purpose Pumps:

Akron Brass offers an extensive selection of construction pumps for jobs sites where high volume trash water capacity is required. Powered by Honda's easy-starting, commercial grade engines engine and protected by the rugged full frame and silicon carbide seals these models deliver exceptional performance in any environment.

Style	Pump Type	Discharge Capacity	Dimensions	Dry Weight
WT20AK3A	Trash, Centrifugal, Self-Priming	187 GPM	24" x 18.1" x 18.3"	104 lbs
WT30XK3A	Trash, Centrifugal, Self-Priming	319 GPM	26" x 19.5" x 20.3"	132 lbs
WT40XK2A	Trash, Centrifugal, Self-Priming	433 GPM	28.9" x 21.1" x 22.2"	172 lbs
WDP30XK1AT	Diaphragm, Self-Priming	80 GPM	31.5" x 30.5" x 25.7"	163 lbs
WMP20ZA	Multi-Purpose, Centrifugal, Self-Priming	220 GPM	20.5" x 15.7" x 17.7"	56 lbs



WT20AK3A



WT30XK3A



WT40XK2A



WDP30XK1AT



WMP20XA

Submersible Pumps:

The submersible line of Honda pumps features high quality stainless steel casings, which means no rust or corrosion and a long life span. These submersible pumps are lightweight, offer truly automatic operation, feature built-in thermal resets to protect the pump from running dry. All five models feature a float switch, providing automatic starting for convenience.

Style	Pump Type	HP	Discharge Capacity	Dimensions	Dry Weight
WSP33K1AA	Submersible Standard	1/3	40 GPM	6.4" x 10.3"	11 lbs
WSP53AA	Submersible Standard	1/2	70 GPM	8.3" x 17.2"	27 lbs
WSP73AA	Submersible Standard	3/4	74 GPM	8.3" x 17.2"	27 lbs
WSP50AA	Submersible Standard	1/2	110 GPM	9" x 21.5"	36 lbs
WSP100AA	Submersible Standard	1	150 GPM	9" x 22.8"	41 lbs



WSP33K1AA



WSP53AA



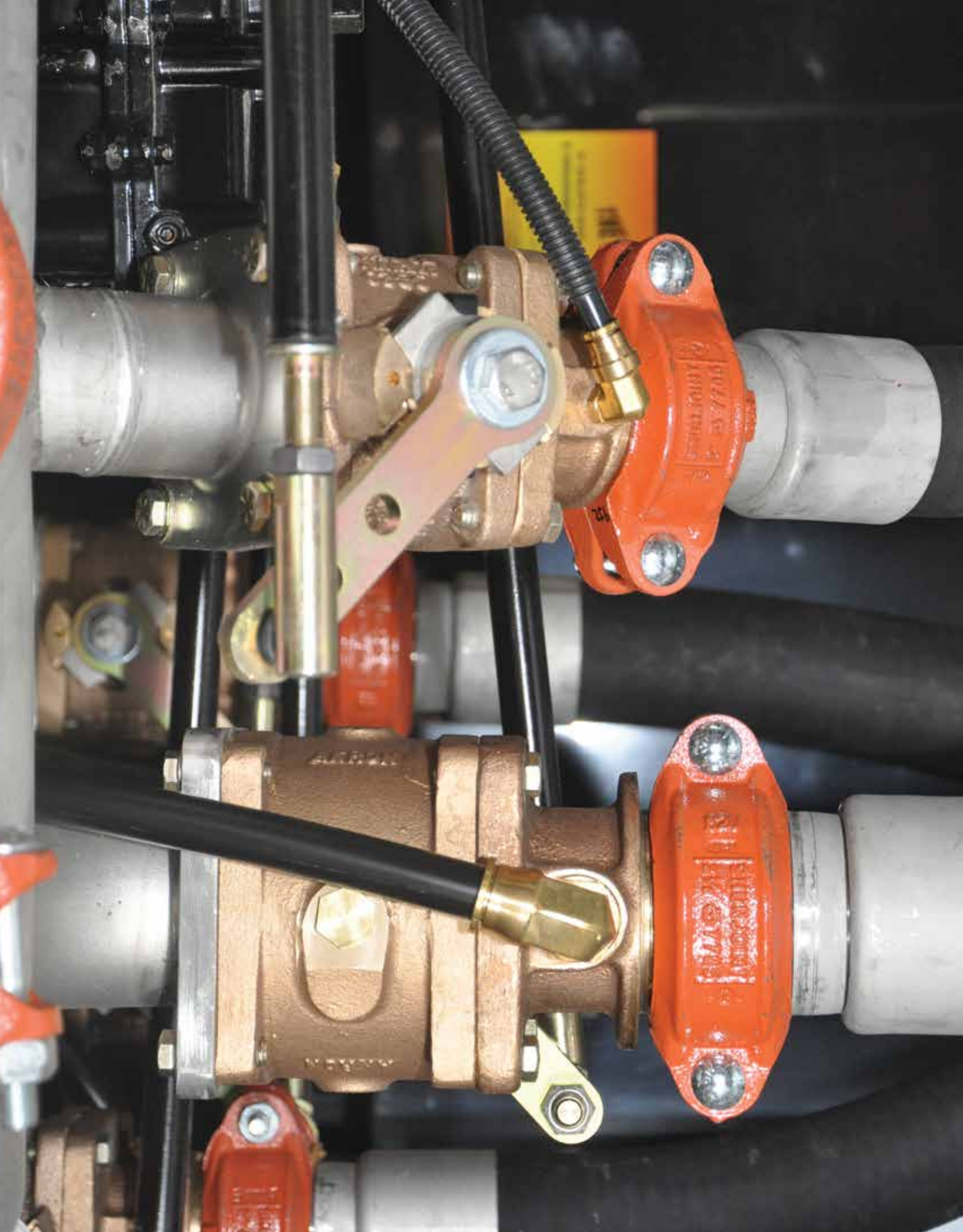
WSP73AA



WSP50AA



WSP100AA





Generation II Heavy Duty Swing-Out™ Valves

Akron Brass continues to offer a wide variety of apparatus valves to meet the demands of today's fire service. All Swing-Out Valves are designed for operating pressures of at least 250 psi (17 bar) and meet the NFPA 1901 Standard for valve opening and closing speed control when operated with a gear actuator, electric actuator or Slo-Cloz™. In addition, every valve is factory tested in accordance with current NFPA Standards.

HEAVY-DUTY VALVES



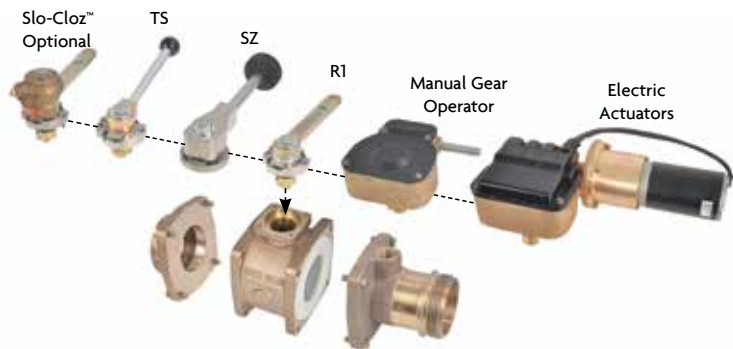
*Limited to Manufacture Defects

Akron's legendary Swing-Out valve has been further enhanced with major upgrades:

- A single valve body that will accept a variety of actuators*.
- HydroMax™ technology: A patent pending ball geometry providing operating and flow performance never seen before in apparatus valves.

Swing-Out Valve Features:

- 90° handle travel
- No lubrication or regular maintenance required
- Simple two seated design (no O-Rings to cut or lose during assembly or maintenance)
- Wide range of available adapters (reference valve guide for availability)
- High quality brass body – Cast, machined and assembled at our facility in Wooster, Ohio



8600 Heavy Duty Swing-Out Valve Series

- Available actuators: SZ, Manual Gear, Electric and Rack and Sector
- Available in 2" thru 3 1/2" sizes
- 316 Stainless Steel ball with HydroMax™ technology



Style 8625 with electric actuator and stainless steel ball with HydroMax™ technology

8800 Heavy Duty Swing-Out Valve Series

- Available actuators: R1, TS, TSC
- Available in 1" thru 4" sizes**
- 316 Stainless Steel ball with HydroMax™ technology

8900 Heavy Duty Swing-Out Valve Series

- Available actuators: R1, TS, TSC, SZ, Manual Gear, Electric and Rack and Sector*
- Available in 1" thru 4" sizes**
- Fusion CF™ Composite ball with HydroMax™ technology



Style 8925 with Fusion CF™ composite ball with HydroMax technology

*Rack and Sector body is unique to Rack and Sector assembly and not interchangeable with other actuators
 ** 4" valve only available with manual gear, electric or air actuators. 8840 is also a flat ball.

Refer to valve guide (page 192-201) for ordering information

Style	Description	Ball Type	Actuators	Operating Pressure	Hydrostatic Pressure
8620	2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8625	2 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8630	3" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8635	3 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA	250	500
8810	1" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC	500	1000
8815	1 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC	250	500
8820	2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8825	2 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8830	3" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8835	3 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC	250	500
8840	4" Heavy Duty "Self Locking" Swing-Out Valve	Bronze, Flat	Air, EA or GA	250*	500*
8910	1" Heavy Duty "Self Locking" Swing-Out Valve	Fusion CF	R1, TS, TSC	500	1000
8915	1 1/2" Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC	250	500
8920	2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8925	2 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8930	3" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8935	3 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA	250	500
8940	4" Heavy Duty Swing-Out Valve	Fusion CF	Air, EA or GA	250	500

* 250/500 psi rated only in one direction. 100 psi operating pressure / 180 psi hydrostatic pressure rated in opposite direction.



Stainless Steel Ball with HydroMax



Fusion CF Ball with HydroMax



Swing-Out™ Valves

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Heavy Duty 4" Swing-Out Valve With Flat Ball Design

8840 Heavy Duty 4" Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Flat ball concept - Flat ball has spherical seating surface that easily closes and seals on the seat
- Use with air, gear or electric actuators
- Short body length - Only 4" long. Can be used on side discharge applications and in restricted pump compartment space
- Easy to operate sealing system requires less torque to open and close the valve
- Reduced gear ratios:
 - Electric: 25:1 ratio - 8 seconds full open to close
 - Handwheel 50:1 ratio - 12 1/2 turns
- Small 6" chrome handwheel
- Weight: 36 lbs. (with electric actuator, less adapters)
- Wide range of available adapters (See pages 192-201)



8840 B20-SFW x P2-S
With Electric Actuator, Flow Sensor & Pressure Transducer

4" Swing-Out Valve

8940 4" Swing-Out Valve

- Designed for tank to pump use, deck gun or other higher flow applications
- Air, handwheel or electric actuation only
- All new Fusion CF™ Composite Ball



Style 8940

Fusion CF™
Composite Ball

Lightweight Apparatus Swing-Out Valve

7725 2 1/2" Lightweight Apparatus Swing-Out Valve

- Ideal for use on aerial platforms
- Durable lightweight Pyrolite® construction
- Full flow 2 1/2" waterway
- Simple two seated design (no O-Rings to cut or lose during assembly or maintenance)
- No lubrication or regular maintenance required
- Designed & tested to exceed NFPA requirements
- Weight 9 3/8 lbs.

Adapter Options:

- MES1-S 90° Elbow
- PI-S Female NPT
- M1-S Male
- F1-S Female Swivel
- F1-SS Female Swivel with Strainer



Self Locking
Tork-Lok® for Easy
Positioning

Optional Body with
Thru Holes for Direct
Connection to
a Manifold

Optional
Swiveling 90°
Elbow (ME1-S)

Style 7725



Manual Actuators

- R-1** Handle for remote valve operation of 8800 Series Swing-Out Valves
- TS** Handle for direct valve operation through the panel operation of 8800 Series Swing-Out Valves
- TSC** Handle with cover for exterior mounted 8800 Series Swing-Out Valves
- Same as the TS handle, with cover
- SZ** Handle with Twist Lock for direct valve operation through the panel of 8625-8635 Swing-Out Valves



Handwheel Actuators

Handwheel Actuators are used for smooth, precise operation of valves such as on a deck gun, large diameter side discharge or ladder pipe.

- Fits 2" - 4" valves
- Handwheel driven worm gear rotates a gear sector for smooth and easy operation under pressure
- 2" - 3 1/2" valves have a 50:1 ratio and a 4" handwheel
- 8840 valves have a 50:1 ratio and a 6" handwheel
- Number of turns for full open/close:
 - 2" - 3 1/2" Swing-Out™ valves - 12 1/2 turns
 - 7840 - 16 turns
 - 8840 - 12 1/2 turns
- Opening and closing speed complies with the current NFPA standard to minimize effects of water hammer
- Helps prevent valve drift and accidental slamming open or closed
- Position Indicators for gear operated valve
- Optional Position Indicators show the valve position to meet NFPA 1901
 - Must specify landscape (side mount) or portrait (top mount)
 - Size: 3 1/2" x 5 3/4"
- Auxiliary Position Indicator - optional



2" - 3 1/2" Manual Gear Actuator



Position Indicator (landscape)

Electric Actuators

Akron's electric actuator is now equipped with a magnet in the trunion to provide true position feedback. The motor, pressure, and flow sensor connections are all located right on the valve for shorter wire runs and simpler installation. The electronics are fully sealed and utilize deutsch connectors for long life and reliability.

- Speed of valve opening and closing is preset to comply with the current NFPA 1901 Standard
- Operates on 12 or 24V apparatus electrical systems - Must specify
- Gear drive ratio:
 - 2" - 3 1/2" Swing-Out™ Valves - 16:1
 - Style 8840 - 25:1
 - Style 7840 and Butterfly Valves (4" - 8") - 64:1
 - Works with Weco & Keystone Butterfly Valves
- Manual override

See page 147 for dimensions



Electric Actuator shown mounted on a Swing-Out Valve



8" Butterfly Electric Actuator



Swing-Out™ Valve Actuators

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Air Actuator

Air Actuators operate off the apparatus air supply and are equipped with an emergency override. Designed for full open/close applications only. Units are supplied with two air flow control valves to regulate the opening and closing valve speed to comply with the current NFPA 1901 Standard.

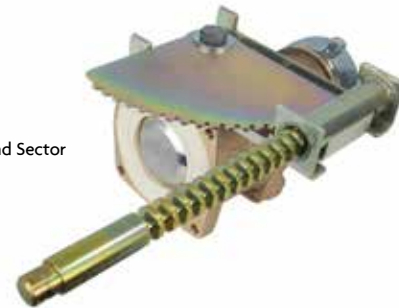
- Operates to -10° F and requires 80-120 psi air pressure
- Available on 4" Swing-Out and all Butterfly Valves
- Solenoid and switch not included



Air Actuator shown with factory supplied Air Control Valves

Rack And Sector Actuator

Minimizes troublesome linkage problems associated with remote handles. The Rack and Sector Actuator is usable with most pumps (depending on pump panel width). Available on 2 1/2" - 3 1/2" valves.



Rack and Sector

Valve Actuator Dimensions

Size	Air Actuator		Handwheel Actuator			Rack & Sector		Slo-Cloz™		Electric	
	A	B	A	B	C	A	B	7875	7675	A	B
2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	-	-	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
2 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 1/2" (89 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
4"	8 1/2" (216 mm)	5 3/4" (146 mm)	12 7/16" (316 mm)	3 1/8" (79 mm)	6" (152 mm)	-	-	-	-	12 1/4" (311 mm)	4 1/8" (105 mm)

Slo-Cloz™

The Slo-Cloz reduces the chances of ruptured water lines, burst hose, or damaged seats and gaskets by controlling the opening and closing speed of the valve. The unit fits Tork-Lok® and current 2" - 3 1/2" locking and non-locking valves as well as valves with a Rack and Sector Actuator. Meets NFPA 1901.

7675

Slo-Cloz

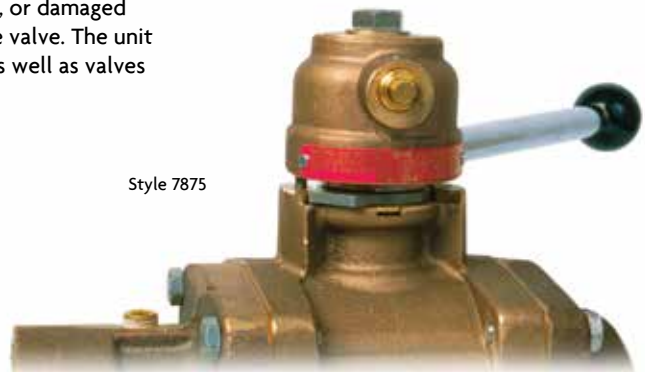
- Use with 8620-8635 non locking valves
- 2 1/2" - 3 1/2" valves with a Rack & Sector Actuator

7875

Slo-Cloz

- Use with 8820-8835 Tork-Lok and self locking valves

Style 7875





T-Handles

- Push/Pull Remote Controls or sold separately
- 1 7/8" long, 3 1/2" wide, and weighs 4 oz

1489 Plain T-Handle

- 1/2" bore - 3/4" deep
- Threaded: 3/8" - 24
- 3/8" - 16
- 1/2" - 13
- 1/2" - 20
- 10 - 32
- Brass

1490 T-Handle with Recess

- Recessed Pad for I.D. tag
- 2 recess sizes:
 - 2 9/16" x 25/32"
 - 2 31/32" x 1"
- 1/2" diameter bore for rod
- Die cast zinc



Style 1489

Push/Pull Remote Controls

Push/Pull Remote Controls operate in-line valves from the pump panel. Remote Controls can be used with Swing-Out™ Valves through 3 1/2" with R-1 Handles and are lockable in any position. The remote controls are furnished with an escutcheon plate, male or female swivel joint and stainless steel spring locks.

- Two stroke lengths available:
 - 8 1/4" for 1", 1 1/2", and 2" valves
 - 11 1/4" for 2 1/2", 3, and 3 1/2" valves
- Optional ball joint assembly
- Weight: 2 lbs.



Style 1477

Male or female swivel joint

Optional Ball Joint Assembly shown on an R-1 Handle

1477 Push/Pull Remote Control with Recessed T-Handle

1478 Push/Pull Remote Control with Plain T-Handle

Piggy-Back Remote Control Kits*

For operating 2 1/2" - 3 1/2" valves on the opposite side of the pumper. Valves must be ordered separately.

7592 Piggy-Back Remote Control

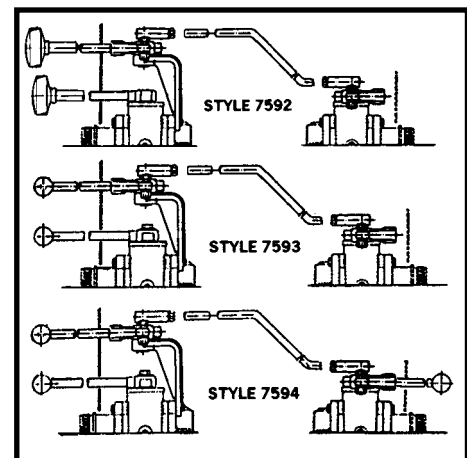
- Operates an off-side valve from the pump operator's panel
- SZ Handle

7593 Piggy-Back Remote Control

- Operates an off-side valve from the pump operator's panel
- TS Handle

7594 Piggy-Back Remote Control

- Operates an off-side valve from both sides of the truck
- TS Handle



* Cannot be used with Slo-Cloz

Top-Mount Remote Control

Designed for operating valves from top-mounted operators panel.

101 Top-Mount Remote Control

- 102 • Control handle positioned 90° from remote handle
- Additional pre-drilled hole for setting control handle at 135°
- Heavy-duty all brass brake band
- Cast brass construction with stainless steel handle rod
- Remote Handle Lengths- 3 1/2" (Style 101) & 5" (Style 102)



Style 102



Navigator™ Pro Valve Controller

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Navigator Pro Valve Controller

The new Valve Controller from Akron Brass provides reliable and accurate valve control with valve position indication. Completely reinvented, it is packed with user friendly features that improve operation effectiveness and safety.

9323 Electric Valve Controller

- Valve open and close.
- Full color LCD display that does not wash out in bright sunlight and visible from all angles.
- True position feedback from the valve.
- User programmable presets. Easy to configure for the first time and then to activate on the fire scene.
- % open text shown on valve bar graph. Can be disabled if it is not desired.
- Color indication available. Optional color indicators are available as well as the ability to program in the valve name and the discharge color on the top bar of the display.
- USB port on-board. Software for display and motor driver can be easily updated via USB flash drive.
- Easy to navigate setup menu. With additional buttons, menus are much easier to navigate and configure.
- Auto dimming capability. Display will sense ambient light and adjust brightness automatically. This feature can be disabled if a set brightness is desired in all conditions
- Multiple display. Multiple displays can be used to control the same valve. No longer limited to two displays - 3, 4 or even 5 can be used and easily installed.
- Auto open. When option is turned on and valve is closed, pressing the open button once will automatically open the valve all the way.
- V-Mux hardware on-board for future V-Mux integration.
- CAN networked. System communicates using standard J1939 CAN protocol. Allows for flexible networked installations where needed.
- Installation flexibility with multiple options for power connections. Power for the motor can be run from the display or powered directly at the valve.
- For use only with Navigator Pro Electric Actuator. See page 115 for Actuator details.

9325 Navigator Pro Controller

All the same features as the 9323, plus the following:

- Valve open and close.
- Pressure display. Can be displayed in PSI, kPa or bar.
- Flow display. Can be displayed in GPM or LPM.
- CAFS integration: turn CAFS on and off.
- Make sure even the most turbulent of flows is accurate with available custom calibration. Now easier than ever to custom calibrate the flow sensor through an easy to navigate menu.
- Zero cutoff feature to eliminate ghost readings when installed close to the pump.
- Totalizer function. Controller will calculate the volume of water flowed, through the paired valve. Resets every time the power is cycled to the valve.



STYLE 9323 Navigator Pro Shown in Closed Position



Optional color indicators available in standard NFPA 1901 specified colors. Available on Styles 9323 and 9325.



Style 9325 Navigator Pro with Pressure and Flow



Flow/Pressure Meter

- Programmed Calibration - More reliable than mechanical methods
- More accurate through broad ranges of flow
 - Technically advanced electronics
- Flow & Pressure - One meter provides both flow and pressure readings
- Easy Installation - Valve Adapters available for quick/easy installation. Saddles and Weld Bosses also available
- Fully Tested - Vibration, high & low temperature, high flow & pressure, endurance, actual field tests
- Meets NFPA 1901 for accuracy

9300 Flow/Pressure Meter

- Includes Meter, Flow Sensor, Pressure Transducer and Cables
- Order Flow Port Valve Adapters with the valve
- Saddles and Weld Bosses must be ordered separately



Style 9300
Flow and
Pressure Meter

NOTE: Exclusive Programmed Calibration

Unique plumbing configurations are not a problem. The Akron Flow/Pressure Meter is the only unit in the fire service designed to be custom calibrated to individual applications for superior accuracy. This is particularly valuable when a sensor is close to a valve or elbow.

Butterfly Valves

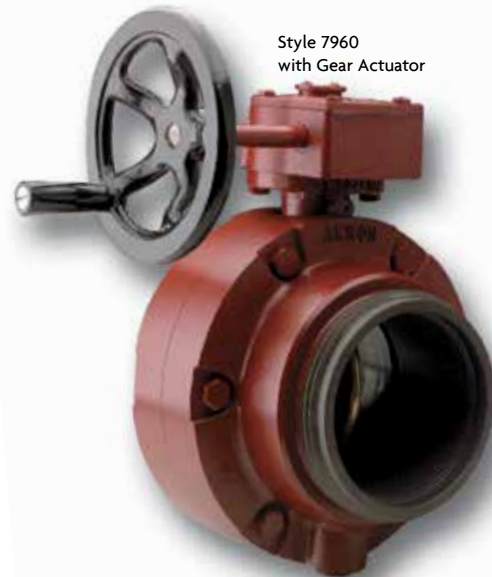
Available in 4", 4 1/2", 5", and 6" full flow sizes. Meets NFPA 1901 Standard for opening and closing speed when used with Gear, Air or Electric Actuators. Manual quarter-turn handle is available for dump valve applications. Body and adapters are lightweight pyrolite construction. Optional drain valve available.

Optional Inlets & Outlets:

- Male
- Female NPT
- Female Swivel (Rocker lug or long handle)
- Victaulic
- Storz (Swivel standard on 4" & 5", 6" rigid only)

Style	Size	Length	Weight lbs. (kg)*	Operating Pressure (PSI)
7940	4" (101 mm)	9 1/2" (241 mm)	21 1/4 (9.6 kg)	250
7945	4 1/2" * (114 mm)	9 3/4" (248 mm)	27 1/4 (12.7 kg)	250
7950	5" (125 mm)	10" (254 mm)	28 1/2 (12.9 kg)	250
7960	6" (152 mm)	10" (254 mm)	35 1/2 (16.1 kg)	250

* Body Weights and lengths with rocker lug female x male with handwheel actuator



Style 7960
with Gear Actuator

Intake Pressure Relief Valve

59 Intake Pressure Relief Valve

For mounting on main pump intakes with a four bolt flange. Field adjustable pressure setting.

Style	Outlet	Inlet Flange	Pressure Range*	Weight
59	2.5" NPT 2.5" NH 2.5" VIC	4 3/8" 4 19/32"	50 - 175 PSI	14 3/8 lbs

* Factory set at 125 PSI



Style 59



Drain, Hydrant & Gate Valves

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Drain Valves

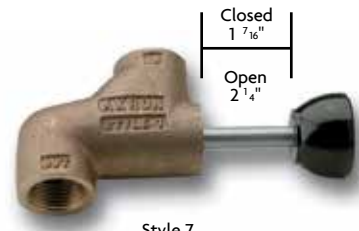
- 57 Quarter Turn Drain Valve**
- T-handle extends 2" from the panel for easy turning
 - Available in 0° or 90° handle position - Must specify
 - For hydrostatic pressures up to 500 psi
 - 3/4" NPT threads
 - Weight: 1 1/2 lbs.
- 4 Drainit Drain Valve**
- Small, compact drain valve
 - 3/4" NPT male thread
 - Opening equivalent to 3/8" diameter hole
 - Length: 2 1/4"
 - Weight: 10 oz.
- 7 3/4" Drain Valve**
- Push-pull valve for draining discharge, suction, or in-line valves
 - For hydrostatic pressures up to 500 psi
 - Brass handle shaft and body
 - 3/4" NPT female inlet and outlet thread
 - Weight: 1 1/4 lbs.



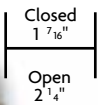
Style 57
Shown with large recess handle



Style 4



Style 7



Gate Valves

A heavy-duty wedge seat gate valve with a non-rising stem and crank handle for easy operation at standard operating pressures.

- 285 2 1/2" Gate Valve - Brass**
- 2285 2 1/2" Gate Valve - Pyrolite**
- 2286 3 1/2" Gate Valve - Pyrolite**
- Less than 1 psi friction loss @ 1500 gpm



Style 285



Style 2285



Style 2286

Style	Material	Size	Length	Weight lbs. (kg)	Max Operating Pressure	Inlet	Outlet	Number Of Turns
285	Cast or Chrome	2 1/2" (65 mm)	5 1/2" (140 mm)	13 (5.9 kg)	250 PSI (17 bar)	2 1/2" F (65 mm)	2 1/2" M (65 mm)	5
2285	Pyrolite	2 1/2" (65 mm)	5 1/2" (140 mm)	4 (1.8 kg)	250 PSI (17 bar)	2 1/2" or 3" F (65 or 75 mm)	2 1/2" or 3" M (65 or 75 mm)	21
2286	Pyrolite	3 1/2" (89 mm)	7 1/4" (184 mm)	10 (4.5 kg)	250 PSI (17 bar)	3" - 5" F (75 - 125 mm) 4" - 5" Storz (100 - 125 mm)	3" - 5" M (75 - 125 mm) 4" - 5" Storz (100 - 125 mm)	31

Hydrant Valve

- 1828 2 1/2" Hydrant Valve**
- A full flow valve with a Tork-Lok® handle for more positive handle positioning.



Style 1828

Style	Material	Size	Length	Weight lbs. (kg)	Max Operating Pressure	Inlet	Outlet
1828	Pyrolite	2 1/2"	7 1/4" (184 mm)	7 1/2 (3.4 kg)	300 PSI (21 bar)	2 1/2" F (65 mm)	2 1/2" M (65 mm)



Hydrant Valve

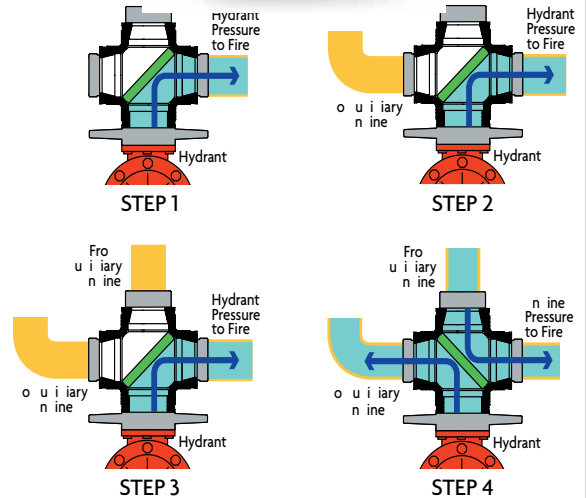
627 4-Way Hydrant Valve

This valve allows you to provide water to the fire at hydrant pressure, while waiting for a second pumper to hook up and increase flow and pressure.

- Flow efficient 3 1/2" waterway
- 75 psi maximum pressure differential during changeover
- 300 psi maximum operating pressure
- 1000 gpm maximum flow when changing the ball position

How It Works:

- Step 1 - Attach the 4-Way Hydrant Valve to the hydrant and forward lay to the engine at fire scene.
- Step 2 - Attach a hose from the 4-Way Hydrant Valve to the intake on the engine at the hydrant.
- Step 3 - Attach a hose from the discharge on the engine at hydrant to the 4-Way Hydrant Valve inlet. Establish recirculating flow at hydrant pressure.
- Step 4 - Rotate the handwheel on top of the 4 way Hydrant Valve to introduce pressurized flow from the engine at the hydrant to the engine at the fire scene. Increase pressure on the pumper to increase flow as required.



Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet	Flow		Connections			
							GPM	LPM	A	B	C	D
627	Pyrolite®	13 3/4" (349 mm)	13 3/4" (349 mm)	42 (19 kg)	(2) 2 1/2" - 5" F* (65 - 125 mm)	(2) 2 1/2" - 5" M (65 - 125 mm)	1500	3800	4" - 6" (100 - 150 mm) threads or Rigid Storz	2 1/2" - 6" (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz	2 1/2" - 6" (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz	2 1/2" - 6" (65-150 mm) threads or 4" - 5" (100-125 mm) Rigid Storz

* Hydrant inlet 4" - 5" (100 - 125 mm) only

Black Max Piston Intake Valve

7980 Black Max Piston Intake Valve

Corrosion resistant stainless steel and poly- impregnated aluminum are combined for a durable Piston Intake Valve. A large unique oval waterway increases efficiency while reducing the overall size. All this, plus a special 10 year warranty against corrosion makes the Black Max the obvious choice for today's fire service.

Standard Features:

- Stainless steel piston housing
- Compact size - Extends only 11 15/16" from the pump panel
- 250 psi operating pressure
- Polymer Piston for improved corrosion resistance
- Large waterway with a cast-in turning vane for reduced turbulence and efficient flow
- Pressure relief valve adjustable from 50 - 250 psi (factory preset @ 150 psi)
- 53° elbow
- 3/4" air bleeder valve

Optional Features:

- Storz cap and chain
- Air bleeder lines



*Limited to Manufacture Defect and Corrosion

Style	Female Swivel Inlet	Outlet	Height	Depth	Width	Weight
7980	4" 5" or 6" (100, 125 or 150 mm) Storz* 4" or 5" (100 or 125) Full Time Storz Swivel 4", 4 1/2", 5" or 6" (100, 110, 125 or 150 mm) Male 4", 4 1/2" or 5" (100, 110 or 125 mm) Female	5" or 6" (125 or 150 mm) Rocker Lug or Long Handle**	18 7/8" (479.4 mm)	11 15/16" (303.2 mm)	9 9/16" (242.8 mm)	30 lbs. (13.6 kg)

* Cap and chain optional

** 6" only



Wyes & Water Thief

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Gated Wyes

- 1480** 1 1/2" Wye
- 1482 Hydrant Wye**
 • Self-locking Tork-Lok® handles for positive handle positioning
- 1581 Leader Line Wye**
 • Self-locking Tork-Lok® handles for positive handle positioning
- 1582 Hydrant Wye**
 • Self-locking Tork-Lok handles for positive handle positioning
- 2580** 1 1/2" Wye
 • High strength polymer handles
- 2581 Leader Line Wye**
 • High strength polymer handles
- 2582 3-Way Hydrant Wye**
 • Self-locking Tork-Lok handles for positive handle positioning
- 2681 Leader Line Wye**
 Designed for heavy-duty use in severe environments.
 • High strength polymer handles & balls standard
 • Optional metal handles & balls

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1480	Brass	5 1/8" (130 mm)	6 5/8" (168 mm)	11 1/4 (5.1 kg)	1 1/2" F (38 mm)	(2) 1 1/2" M (38 mm)
1482	Brass	8 1/4" (209 mm)	12" (305 mm)	* 31 1/4 (14.2 kg)	2 1/2"- 6" F (65-150 mm)	(2) 2 1/2" M (65 mm)
1581	Pyrolite®	5 3/4 (146 mm)	6 3/4" (171 mm)	5 1/2 (2.5 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)
1582	Pyrolite	9 1/2" (241 mm)	11" (279 mm)	* 16 3/4 (7.6 kg)	2 1/2"- 6" F, (65-150 mm) 4" or 5" Storz (100 or 125 mm)	(2) 2 1/2" M (65 mm)
2580	Pyrolite	5 1/2" (140 mm)	7" (178 mm)	3 (1.4 kg)	1 1/2" F (38 mm)	(2) 1 1/2" M (38 mm) or (2) 1" M (25 mm)
2581	Pyrolite	5 1/2" (140 mm)	7" (178 mm)	3 (1.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)
2582	Pyrolite	11 3/4" (298 mm)	15 1/2" (394 mm)	* 24 1/2 (11 kg)	2 1/2"- 6" F, (65-150 mm) 4" or 5" Storz (100 or 125 mm)	(3) 2 1/2" M (65 mm)
2681	Brass	7 1/2" (19 cm)	5 1/4" (13.3 cm)	10 1/2 (3.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M (38 mm)

* Weight with 4 1/2" (11.4 cm) inlet



Plain Wyes

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
260	Brass	6 3/4" (171 mm)	8" (203 mm)	7 * (3.2 kg)	2 1/2"-6" F (65-150 mm)	(2) 1 1/2" or 2 1/2" M (38 or 65 mm)
1260	Pyrolite	9 1/8" (232 mm)	8" (203 mm)	6 3/4 * (3.1 kg)	2 1/2"- 6" F ** (65-150 mm)	2" - 2 1/2" M** (50 - 65 mm)

* Weight with 4 1/2" (114 mm) inlet
 ** Storz optional



Water Thief

For extending 1 1/2" or 2 1/2" lines without interfering with the operation of other lines. Includes Self-locking Tork-Lok handles for more positive handle positioning.

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1573	Pyrolite	9 3/8" (238 mm)	10 1/2" (267 mm)	12 (5.4 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M & (1) 2 1/2" M (38 & 65 mm)
273	Brass	9 3/8" (238 mm)	10 1/2" (267 mm)	27 (12.5 kg)	2 1/2" F (65 mm)	(2) 1 1/2" M & (1) 2 1/2" M (38 & 65 mm)





Clappered Siamese

- 262 Clapper Valve Siamese**
A brass Clapper Siamese with a leather carrying handle and 3/4" drain plug
- 266 Clapper Valve Siamese**
A brass Clapper Siamese in sizes up to 6"
- 1256 3-Way Clapper Valve Siamese - Pyrolite®**
Three 2 1/2" female inlets x 4" to 6" male or female outlet. Includes Style 4 Dranit drain valve and rubber carrying handle
- 200 psi operating pressure
 - Optional Pressure Gauge
- 1262 Clapper Valve Siamese**
A Pyrolite Clapper Siamese includes a Style 4 Drainit drain valve and a rubber carrying handle
- 1267 Clapper Valve Siamese**
A Pyrolite Clapper Siamese includes a Style 4 Drainit drain valve and a rubber carrying handle



Style 262



Style 266



Style 1256



Style 1262



Style 1267

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
262	Brass	7 3/4" (197 mm)	9" (229 mm)	14 1/2 (6.6 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)
266	Brass	8" (203 mm)	9" (229 mm)	21 1/4 * (9.6 kg)	(2) 2 1/2" F (65 mm)	3" - 6" F (75 -150 mm)
1256	Pyrolite	12 3/4" (323 mm)	14 3/4" (375 mm)	15 1/2 (7 kg)	(3) 2 1/2" (65 mm)	2 1/2" - 6" M or F (65-150 mm)
1262	Pyrolite	8 1/2" (216 mm)	9 3/8" (238 mm)	7 1/4 (3.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)
1267	Pyrolite	9 3/8" (238 mm)	9 3/8" (238 mm)	9 1/2 (4.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F, (65-150 mm) 3 1/2" - 6" M, 4" or 5" Storz (89-150, 100 or 125 mm)

* Weight with 4 1/2" (114 mm) outlet

Gated Siamese

Siamese with quarter-turn valves provide a positive shutoff and easier operation. All 2 1/2" swivel inlets are supplied with strainers.

- 1483 Suction Siamese**
- Tork-Lok handles for positive handle positioning
 - Used on pumper suction or aerial platform inlets
- 1583 Suction Siamese**
Used on pumper suction or aerial platform inlets. Features Tork-Lok® handles for positive handle positioning.
- Drain valve optional
- 2583 3-Way Suction Siamese**
Used on pumper suction or aerial platform inlets. Features Tork-Lok handles for more positive handle positioning.
- Drain valve optional



Style 1483



Style 1583



Style 2583

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
1483	Brass	9 1/8" (232 mm)	11 1/2" (292 mm)	35 3/4 * (16.2 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F or M (65 - 150 mm)
1583	Pyrolite®	9 1/4" (235 mm)	11 1/2" (292 mm)	16 * (7.3 kg)	(2) 2 1/2" F (65 mm)	2 1/2" - 6" F or M 4" or 5" Storz (65 - 150 or 100 or 125 mm)
2583	Pyrolite	11 3/4" (298 mm)	16" (298 mm)	26 1/2* (12 kg)	(3) 2 1/2" F (65 mm)	2 1/2" - 6" F or M 4" or 5" Storz (65 - 150 or 100 or 127 mm)

* Weight with 4 1/2" (114 mm) inlet

Plain Siamese

- 261 Plain Siamese**

Style	Material	Length	Width	Weight lbs. (kg)	Inlet	Outlet
261	Brass	6 1/2" (165 mm)	9" (228 mm)	8 1/4 (3.7 kg)	(2) 2 1/2" F (65 mm)	2 1/2" or 3" M (65 or 75 mm)



Style 261





Akron® Municipal Eductors feature a large, easy to read, and removable metering dial with infinite settings between 0% and 6%. The Eductors are rated to flow at 200 psi (14 bar) inlet pressure and work well with nozzles rated at 75 and 100 psi (5 and 7 bar).

In-Line Eductors

- 1 1/2" or 2 1/2" full-time swivel inlet x 1 1/2" male, except where noted
- 30" pickup hose standard on 60, 95 and 125 gpm (230, 360 and 475 lpm) eductors, 48" optional
- 48" pickup hose standard on 250 gpm (950 lpm)



Style	Inlet Size	Outlet Size	Flow		Material	Length	Weight lbs. (kg)
			GPM	LPM			
3060	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	60	230	Pyrolite®	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3070	1 1/2" (38 mm)	1 1/2" (38 mm)	60	230	Brass	7 3/4" (197 mm)	9 1/4 (4.2 kg)
3071	1 1/2" (38 mm)	1 1/2" (38 mm)	95	360	Brass	7 3/4" (197 mm)	9 1/4 (4.2 kg)
3072	1 1/2" (38 mm)	1 1/2" (38 mm)	125	475	Brass	7 3/4" (197 mm)	9 1/4 (4.2 kg)
3095	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	95	360	Pyrolite	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3125	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	125	475	Pyrolite	* 7 3/4" (197 mm)	3 1/2 (1.6 kg)
3250	2 1/2" (65 mm)	2 1/2" (65 mm)	250	950	Pyrolite	12" (305 mm)	8 1/2 (3.7 kg)

* 1 1/2" inlet length, 2 1/2" inlet length: 8 1/2"

Portable Eductor with On-Board Foam Access

This quick and easy setup can be retrofitted to most apparatus to greatly increase foam capabilities over the conventional pail method. For increased flexibility, a separate standard pickup assembly can be added for standard pail use.

- What is included?
 - An Eductor with a special pickup assembly with a quick connect coupling
 - A Foam Access Panel Mount Kit
 - A Quarter Turn Valve with Tee Handle and Label



Quick Connect Panel Mount with Plug



Quarter Turn Valve



3095 In-Line Eductor with Quick Connect On-Board Foam Access

Industrial/Marine In-Line Eductors

- 2328 90 gpm (340 lpm) Brass In-Line Eductor**
- Set at 6% pickup rate, easily changed to 3%
 - Includes foam shutoff valve and 60" pickup hose

- 2901 90 gpm (340 lpm) Brass In-Line Eductor**
- Set at 6% pickup rate; easily changed to 3%
 - 54" pickup hose

- 2325 95 gpm (360 lpm) Brass In-Line Eductor**
- In-Line Eductor designed for use at 125 psi (8.62 bar). (Note: Lower eductor inlet pressures reduce nozzle stream reach.)

- 1%, 2%, 3%, and 6% foam settings
- Removable foam pickup tube with metering dial for easy service and testing

- 2120 120 gpm (460 lpm) Brass In-Line Eductor**
- Metering dial settings: 1/2%, 1%, 3%, 6%



Style 2328

Style	Length	Weight lbs. (kg)	Female Inlet	Male Outlet	Operating Pressure PSI (bar)	Flow	
						GPM	LPM
2120	12 7/8" (327 mm)	12 (5.4 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	200 (14)	120	460
2325	10 1/8" (257 mm)	7 (3.1 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	125 (8.62)	95	360
2328	9 1/2" (241 mm)	8 (3.6 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	200 (14)	90	340
2901	9 1/2" (241 mm)	8 (3.6 kg)	1 1/2" (38 mm)	1 1/2" (38 mm)	200 (14)	90	340



Foam Eductors & Truck Systems

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Portable By-Pass Eductors

The Akron By-Pass Eductor has a built-in by-pass chamber, allowing the operator to change from water to foam without shutting down.

- 1 1/2" or 2 1/2" swivel inlet x 1 1/2" male
- Brass with chrome trim
- Changes easily to water line use
- 8 quick-change handle positions with a Swing-Out™ Valve handle
- Optional pipe thread connections available for truck plumbing



Style 3097

Style	Inlet Size	Outlet Size	Flow		Material	Length	Weight lbs. (kg)
			GPM	LPM			
3062	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	60	230	Brass	18" (457 mm)	20 (9.1 kg)
3097	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	95	360	Brass	18" (457 mm)	20 (9.1 kg)
3127	1 1/2" or 2 1/2" (38 or 65 mm)	1 1/2" (38 mm)	125	475	Brass	18" (457 mm)	20 (9.1 kg)

Foam Truck Systems

- 8 quick change handle positions (easily changed after installation) means less installation time
- Specify inlet and outlet, 2", 2 1/2" NPT or 2" victaulic
- Improved pressure recovery provides greater versatility
- Choose 60, 95, or 125 gpm (230, 360, or 475 lpm)
- Performs well with both 75 and 100 psi rated nozzles (75 psi (5 bar) nozzles allow longer hose lays and less reaction force)
- Easily changed to water line use



By-Pass Eductor

Each Truck System Includes:

- Rugged brass by-pass eductor
- Foam metering dial
- One 2" In-line Swing-Out™ valve - with built-in check valve
- Two 1" In-line Swing-Out valves
- One 1" check valve
- Four Style 1477 remote controls



Style 3096

Foam Metering Dial

Note: Each truck system is for a single tank operation. A two tank system requires one (1) additional 1" Swing-Out Valve, 1" check valve and 1477 Remote Control.

- 3061 60 gpm (230 lpm) Foam Truck System**
- 3096 95 gpm (360 lpm) Foam Truck System**
- 3126 125 gpm (475 lpm) Foam Truck System**

See Pages 210 & 211 For Foam System Plumbing

Off-Truck Foam Access Kit

A quick disconnect pickup tube for off-truck foam access can be easily added to an existing Akron® Foam System or can be included with any new system if specified. This option provides foam access from an off-truck foam supply.

Designed for:

- Switching between class A and B foams
- Operation through the metering panel
- Supplementing a depleted foam supply
- Foam training

Each Kit Includes:

- Quick connect panel mount and plug
- One 1" check valve
- One 5' quick connect pickup hose assembly
- One Style 57 drain valve



Style 3128

- 3128 Off-Truck Foam Access Kit**
 - Specify kit when ordering a Foam Truck System or order separately



Rapid Fill™ Foam Tank Refill System

Akron Brass increases firefighter safety with the new user friendly foam tank refill system. The Rapid Fill system is a safe, cost effective alternative to fill your Class A foam tank without climbing to the top of the truck. The Rapid Fill kit includes everything needed for easy installation into new or existing apparatus. The installation is so simple that most Rapid Fill systems can be installed at the fire station. Once installed, simply attach the pickup tube to the connector on the side of the truck, insert the tube into the foam bucket, flip the switch to the on position, and fill the tank from a safe ground level.

ARFS-500500 Rapid Fill

- Increase firefighter safety with efficient foam transfer to the tank from ground level
- Easy installation into new or existing apparatus
- Simple to use
- A cost effective foam cell refill solution
- Kit Includes:
 - 3.3 gpm (12.5 lpm) self-priming electric pump (12v only) with integrated check valve
 - Harness assembly with activation switch
 - Foam concentrate pickup tube
 - Pump panel adapter fitting
 - Foam concentrate “full level” cutoff switch
 - 7.50' (229 cm) of braided hose
 - Tubing and connection fittings
 - Specify kit when ordering a Foam Truck System or order separately





Eductors

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Ultra-High Expansion Foam Generator With Eductor

For use with ultra-high expansion foam, the Akron Foam Generator fits a 16" smoke ejector for ultra-high foam expansion. The 25 gpm (100 lpm) eductor operates at 80 psi (5.5 bar) inlet pressure. The eductor is preset at 2% and works with up to 1000' of hose. The unit includes 10' Polyethylene tube and clamps.

3500 Ultra-High Expansion Foam Generator with Eductor

- 1 1/2" female swivel x 1 1/2" male
- 19" (483 mm) square x 12" (305 mm) deep
- Weight: 25 lbs. (11.3 kg)

Style 3500



Advantage™ Master Stream Eductors

Interchangeable metering orifices allow for 1/2%, 1%, 3%, or 6% pickup rate. Rugged brass construction. A shutoff valve is optional.

- 10' pickup hose & 40" tube - all PVC

Style	Length	Weight lbs. (kg).	Female Inlet	Male Outlet	Operating Pressure Psi (bar)	Flow	
						GPM	LPM
2302	8 1/4" (210 mm)	13 (5.9 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	150 (10.34)	250	950
2305	8 1/4" (210 mm)	13 (5.9 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	150 (10.34)	500	1900
2307	8 1/4" (210 mm)	13 (5.9 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	150 (10.34)	700	2660
2310	8 1/4" (210 mm)	13 (5.9 kg)	2 1/2" (65 mm)	2 1/2" (65 mm)	150 (10.34)	1000	3800



Style 2305

Jet Ratio Controller

3030 Jet Ratio Controller

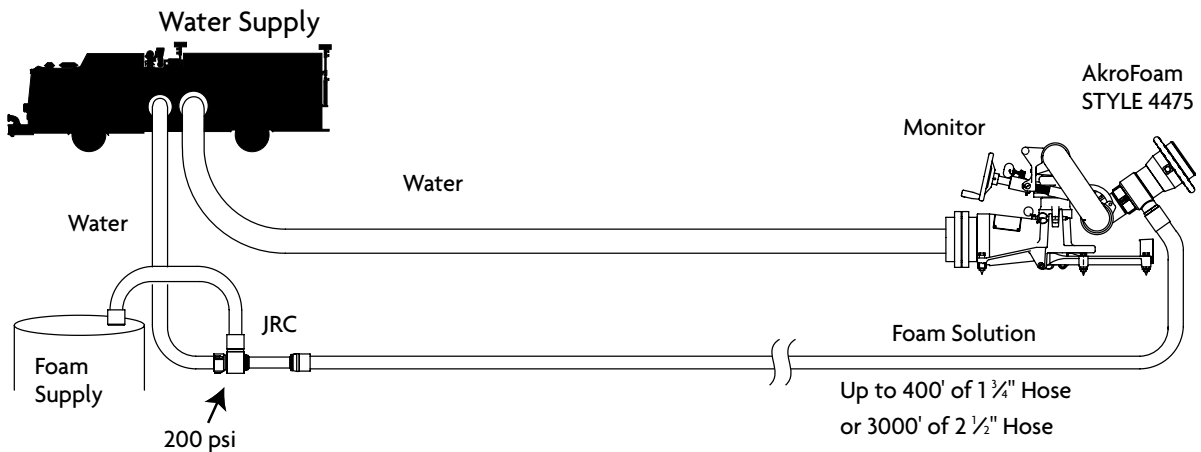
The Jet Ratio Controller (JRC) is designed to feed large volumes of foam from a safe location to a self-educating MasterStream nozzle. The JRC can deliver a 3% foam solution to a 1000 gpm (3800 lpm) nozzle at distances up to 400' away through 1 3/4" hose while operating at 200 psi (13.79 bar) inlet pressure. The Style 3030 JRC is ideal for use with the AkroFoam™ Self Educting nozzle.

- 1 1/2" Inlet x 1 1/2" Outlet
- Durable lightweight Pyrolite® construction
- 10' pickup hose and 40" pickup tube (Stinger)
- Weight: 3 3/4 lbs. (1.7 kg)
- Flows 40 gpm (150 lpm) of water and 30 gpm (115 lpm) of foam at 200 psi (13.79 bar)

Style 4475 AkroFoam™ Nozzle See Page 38



Style 3030



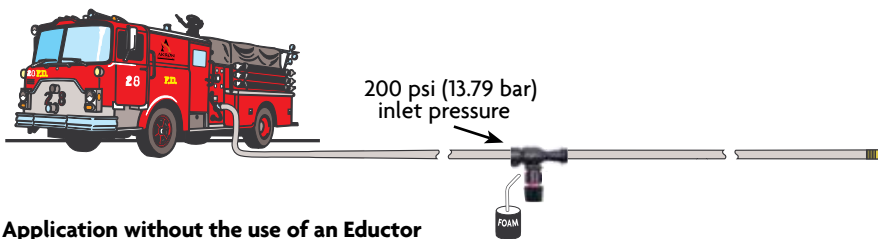


Application Chart

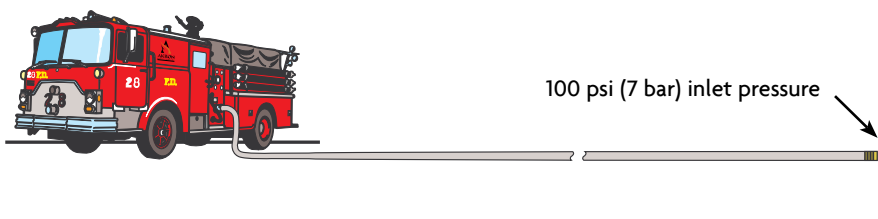
Eductor Connected to a Pumper Discharge - 200 psi (13.79 bar) Inlet Pressure



Eductor Connected at a Point Between the Pumper and the Foam Nozzle



Foam Application without the use of an Eductor



Foam Application with an Advantage™ Eductor/AkroFoam™



Place the Advantage Eductor between the monitor discharge and nozzle or place the AkroFoam on the monitor discharge. Place the pick-up hose in the foam supply.



General Instructions for Akron® Eductors

(Includes in-line, by-pass and built-in types of any flow size)

- Hose lay limits past the eductor must not be exceeded. (see chart at right)
- 200 psi (13.79 bar) must be maintained at the eductor inlet to obtain the proper mixture.
- The nozzle and eductor must be rated at the same flow for maximum performance. However, in all cases, the nozzle flow setting must not be less than the eductor.
- The nozzle must be fully open. A throttled nozzle can cause the system to shut down.
- Always flush both the eductor and nozzle thoroughly, for at least 3 minutes, after each use.

*Hose Lay Limit

GPM (LPM)	Hose Size							
	Up To 1% (Class A)				3% - 6% Class B			
	1 1/2" (38 mm)	1 3/4" (45 mm)	2" (50 mm)	2 1/2" (65 mm)	1 1/2" (38 mm)	1 3/4" (45 mm)	2" (50 mm)	2 1/2" (65 mm)
60 (227)	600' (182.9 m)	900' (274.3 m)	-	-	400' (121.9 m)	600' (182.9 m)	-	-
95 (359.5)	200' (61 m)	350' (106.7 m)	-	-	150' (45.7 m)	250' (76.2 m)	-	-
125 (473)	-	200' (61 m)	400' (121.9 m)	-	-	150' (45.7 m)	300' (91.5 m)	-
250 (946)	-	-	-	350' (106.7 m)	-	-	-	300' (91.5 m)

* All hose lays based on no elevation, measured from the discharge side of the eductor with 200 psi inlet pressure and with a 100 psi rated nozzle. If a 75 psi rated nozzle is used hose lengths may be extended.

Notes About Various Operating Pressures

Akron eductors are designed to work at 200 psi (13.79 bar) inlet pressure for maximum effectiveness. At 200 psi (13.79 bar), the mixture percentage will be as shown on the metering dial. Akron eductors can educt foam concentrate at pressures between 50 and 200 psi (13.79 bar). At lower pressures the flow of water will be less, but the flow of foam concentrate will remain the same. This means the percentage of concentrate will be higher than shown on the metering dial. Since the flow out of the eductor will be reduced at lower inlet pressures, the nozzle pressure will be lower. This may significantly reduce reach.



Apparatus Test Equipment & Gauges

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Bleeder Caps

- Allows for proper air & water release from hoses being tested
- Does not tie up a nozzle for hose testing leaving the truck in service
- Improves safety of hose testing

Style	Description	Style	Description
BLCP-15	1 1/2" (38 mm) Bleeder Cap	BLCP-45	4 1/2" (115 mm) Bleeder Cap
BLCP-25	2 1/2" (65 mm) Bleeder Cap	BLCP-50	5" (127 mm) Bleeder Cap
BLCP-30	3" (75 mm) Bleeder Cap	BLCP-50S	5" (127 mm) Storz Bleeder Cap
BLCP-35	3 1/2" (89 mm) Bleeder Cap	BLCP-60	6" (150 mm) Bleeder Cap
BLCP-40	4" (100 mm) Bleeder Cap	BLCP-60S	6" (150 mm) Storz Bleeder Cap
BLCP-40S	4" (100 mm) Storz Bleeder Cap		



BLCP-25

Hose Test Valve

2285 Hose Tester Gate Valve

Meets NFPA 1962 requirements for testing hose with fire apparatus.
Includes 1/4" hole in gate for maintaining test pressure at low volume.

Style	Material	Size	Length	Weight lbs. (kg)	Inlet	Outlet	Number Of Turns
2285	Pyrolite®	2 1/2" (64 mm)	5 1/2" (140 mm)	4 (1.8 kg)	2 1/2" (64 mm)	2 1/2" (64 mm)	21

Style 2285
Hose Gate Valve



Apparatus Flow Test Kit

AFTK

- Apparatus flow test kits include your choice of four (4) out of the nine (15) tips offered. Tips range from 3/4" to 2 1/2" in 1/8" increments
- Standard with 1 1/2", 1 3/4", 2", 2 1/4" tips (3/4", 1", 1 1/8", 1 1/4", 2 1/2" tips optional) - Must specify
- 3 1/2" liquid filled 0-160 psi (0-1100 kpa) gauge
- Large, heavy duty carrying case (FK-230), 18 3/8" W x 14 1/4" D x 8" H
- 2 1/2" female swivel - Standard
- Certified calibrated gauges
- Large diameter flow test tips available
- Flow range: 25-1900 GPM (95-7100 LPM)
- Also available in 3", 3.5", 4" and 4.5" sizes



AFTK-25



Apparatus Test Gauge Kit

ATGK-2

- 36" test hoses, connect directly to underwriters test fittings (Style 44)
- ±1% accurate, 3 1/2" diameter, freeze protected liquid filled gauges
- 0-30", .5Hg increment vacuum and 0-400, 5 psi (34 kPa) increment pressure gauge
- Heavy-duty carrying case
- Certified calibrated gauges
- Optional pressure gauges available

ATGK-3

- Same as ATGK-2 with a space for an extra gauge to be mounted (Requires RG-230 remote assembly)



ATGK-2



ATGK-3



Pressure/Vacuum Panel Adapter

- 44 Pressure/Vacuum Panel Adapter**
- Complete fitting for pump panel
 - Simplifies attachment of gauges for pump tests
 - Remove hex plugs and screw in gauges
 - Length: 3 1/2", height: 1 3/8", weight: 8 oz.



Style 44

Line Gauges

- HLGK Line Gauge**
- Designed to determine nozzle pressure and static pressure
 - 3 1/2" freeze protected liquid filled 0-160 psi (0-1100 kpa)

Style	Description	
HLGK-15	1 1/2" (38 mm)	Line Gauge
HLGK-25	2 1/2" (65 mm)	Line Gauge
HLGK-30	3" (75 mm)	Line Gauge
HLGK-35	3 1/2" (89 mm)	Line Gauge
HLGK-40	4" (100 mm)	Line Gauge
HLGK-45	4 1/2" (114 mm)	Line Gauge
HLGK-50	5" (125 mm)	Line Gauge
HLGK-60	6" (150 mm)	Line Gauge



HLGK-25

- 35 Line Gauge**
- Ideal for use in high-rise packs
 - Available in 2 1/2" and 3" sizes
 - 1 1/2" diameter peanut gauge (0-300) with guard
 - Grade B 3%-2%-3% accuracy
 - 2 1/2" weight: 2 lbs., length: 5"
 - 3" weight: 2 1/2 lbs., length: 5 1/2"
 - Certified calibrated gauges
 - Pyrolite® construction



Style 35

Cap Gauge

- Certified calibrated gauges
- Designed for determining the static pressure of water in fire hydrants, fire hoses, and/or fire pumps
- 3 1/2" liquid filled 0-160 psi (0-1100 kpa) gauge, 2 psi (20 kPa) increments, ±1% accurate full scale
- Pyrolite construction

Style	Description
HCGK-15	1 1/2" (38 mm) NH Cap Gauge
HCGK-25	2 1/2" (65 mm) NH Cap Gauge
HCGK-30	3" (75 mm) NH Cap Gauge
HCGK-35	3 1/2" (89 mm) NH Cap Gauge
HCGK-40	4" (100 mm) NH Cap Gauge
HCGK-40S	4" (100 mm) Storz Cap Gauge

Style	Description
HCGK-45	4 1/2" (114 mm) NH Cap Gauge
HCGK-50	5" (125 mm) NH Cap Gauge
HCGK-50S	5" (125 mm) Storz Cap Gauge
HCGK-60	6" (150 mm) NH Cap Gauge
HCGK-60S	6" (150 mm) Storz Cap Gauge



HCGK-25



Tachometers & Flow Test Equipment

Pressure Gauges

- Liquid filled
- 3 1/2" face, 1/4" NPT bottom mount
- ± 1% full scale accuracy

Style	Pressure/Vacuum Range	Marked Increments	Gauge Type	Mounting Location
31	0-200 psi (0-1400 kPa)	2 psi (20 kPa)	Pressure	
32	0-300 psi (0-2000 kPa)	5 psi (50 kPa)	Pressure	
FK-350	0-60 psi (0-400 kPa)	1 psi (50 kPa)	Pressure	
FK-351	0-100 psi (0-700 kPa)	2 psi (50 kPa)	Pressure	
FK-352	0-160 psi (0-1100 kPa)	2 psi (50 kPa)	Pressure	
FK-360	0-200 psi (0-1400 kPa)	2 psi (50 kPa)	Pressure	
FK-353	0-300 psi (0-2000 kPa)	2 psi (50 kPa)	Pressure	
FK-354	0-400 psi (2800 kPa)	5 psi (100 kPa)	Pressure	
FK-702	0-30 psi (0-200 kPa)	0.5 in Hg (2 kPa)	Vacuum	2 back studs 1/4" NPT
FK-703	0-160 psi (0-1100 kPa)	2 psi (50 kPa)	Pressure	2 back studs 1/4" NPT
FK-704	0-300 psi (0-2000 kPa)	2 psi (50 kPa)	Pressure	2 back studs 1/4" NPT
FK-707	0-400 psi (0-2800 kPa)	5 psi (100 kPa)	Pressure	2 back studs 1/4" NPT



Style 31

Digital Tachometer

HT-7000

HT-7000 – is a digital, battery-powered portable non-contact optical tachometer (red LED), which operates up to 36 inches from a reflective tape target using an LED light source. The ergonomic design allows safe, direct line-of-sight viewing of both the rotating target and the display at the same time, while providing a no-slip rubber surface for single hand operation.

- Optical 5 - 99,999 RPM
- Contact 5 - 20,000 RPM
- Accuracy ± 1 RPM
- Resolution 1 RPM



HT-7000

Hand Held Pitot

HHPT

- Heavy duty aluminum blade and stainless steel pitot tube
- Pitot blade has numbered increments for increased accuracy
- Conveniently located bleeder valve
- 3 1/2" liquid filled 0-160 psi (0-1100 kPa) gauge
- Heavy-duty carrying case



HHPT

Hydrant Flow Test Kit

AHTK-25

- Includes a 2 1/2" barrel with a pitot tube positioned in the waterway and water diffuser assembly
- 3 1/2" liquid filled 0-160 psi (0-1100 kPa) gauge
- Supplied with flow charts for accurate measuring
- Pitot tube is positioned for accurate readings
- 2 1/2" female swivel
- Ideal for flows between 608-1851 gpm @ 10-140 psi range

AHTK-26

- Same as HK-25 with large, heavy duty, black case (FK-230) 18 3/8" (L) x 14 1/4" (W) x 8" (H)



AHTK-26





Large Diameter Kits

AHTK

- Includes a 4 1/2" barrel with a pitot tube positioned in the waterway, and water diffuser assembly
- 3 1/2" liquid filled 0-160 psi (0-1100 kPa) gauge
- Supplied with flow charts for accurate measuring
- Pitot tube is positioned for accurate readings
- Heavy-duty extra large case available

P/N	Size	Flows	
		Low	High
AHTK-30	3" (76 mm)	391 GPM (1480 LPM)	2762 GPM (10455 LPM)
AHTK-35	3.5" (89 mm)	532 GPM (2014 LPM)	3759 GPM (14229 LPM)
AHTK-40	4" (102 mm)	694 GPM (3627 LPM)	4910 GPM (18586 LPM)
AHTK-45	4.5" (114 mm)	879 GPM (3327 LPM)	6214 GPM (23523 LPM)



AHTK-45



AHTK-46

Street "T" Diffuser

The Street "T" Diffuser puts hydrant flushing water where you want it, in the curb side drain or down the gutter.

STDR-25

- 2 1/2" female swivel x 4" pipe
- Length: 21 1/2", width: 24", weight: 7 lbs.

STDR-45

- 4 1/2" female swivel x 6" pipe
- Length: 12 3/4", width: 30 1/2", weight: 14 lbs.



STDR-25

Portable Flow Meter

9301 Portable Flow Meter

- A technologically advanced flow and pressure meter with stainless steel paddle wheel
- Solid state electronics with no moving parts to adjust
- Includes a heavy-duty storage case, 12V internal battery, 110V AC battery charger, 12V DC auto power supply cord
- 2 1/2" female swivel
- Maximum flow 1250 gpm (4800 lpm) through 2 1/2" sensor body
- Width: 20 1/2", height: 17 1/2", depth: 8 1/2"
- Weight: 30 lbs.

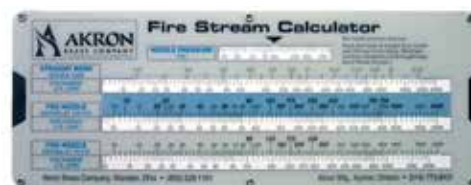


Style 9301

Calculator

9100 Fire Stream/Friction Loss Calculator

Shows nozzle pressure calculations on one side and friction loss on the other side.



Style 9100

FireCalc™ Pocket Calculator

The FireCalc Pocket Calculator is the training tool every fire fighter needs. The Akron® FireCalc is the only calculator on the market to offer solutions for engine pressure, friction loss, application rate, flow rate, reaction force...etc! Don't guess on important numbers - use the FireCalc!

9900 FireCalc Pocket Calculator

- English and metric capability
- Review feature
- Auto power off
- 5 1/2" x 2 7/8"



Style 9900





When moments count, rely on Akron® Brass forcible entry tools to pry, puncture, strike and force your way through or around an obstruction. These tools are constructed of alloy steel providing superior durability and strength.

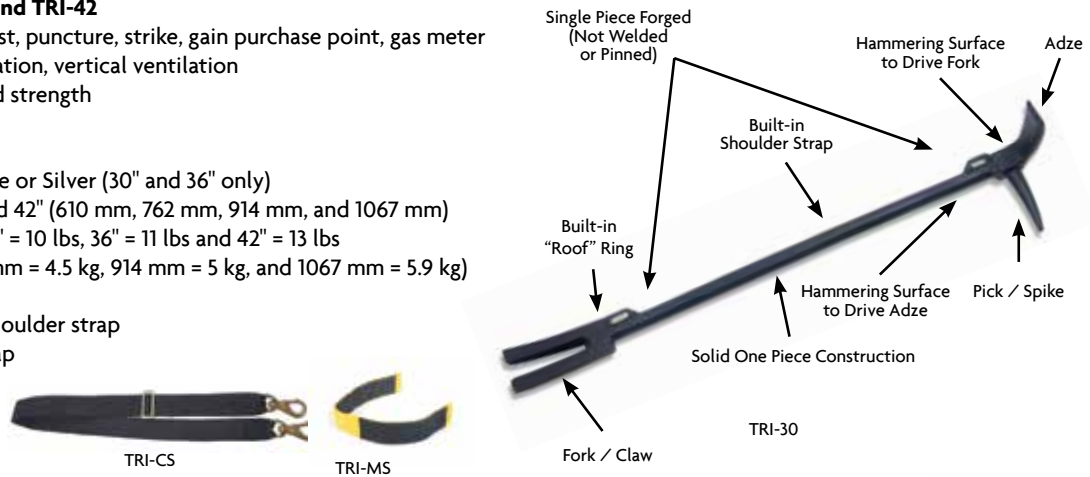


Tri-Bar™

The Tri-Bar forcible entry tool is manufactured as a **single piece drop forged** bar made of heat treated alloy steel. This tool will not chip or break during a critical operation. Use the adze, pick or fork to quickly break many types of locked doors, punch through walls or shut off gas valves. The Tri-Bar offers three hammer surfaces to force your way through or around the obstruction. Combine Akron's flathead axe with the Tri-Bar for a complete set of irons.

TRI-24, TRI-30, TRI-36 and TRI-42

- Multiple uses: Pry, twist, puncture, strike, gain purchase point, gas meter shutoff, vehicle extrication, vertical ventilation
- Heat treated for added strength
- Powder coated finish
 - Black (Standard)
 - High visibility Orange or Silver (30" and 36" only)
- Length: 24", 30", 36" and 42" (610 mm, 762 mm, 914 mm, and 1067 mm)
- Weight: 24" = 9 lbs, 30" = 10 lbs, 36" = 11 lbs and 42" = 13 lbs (610 mm = 4.1 kg, 762 mm = 4.5 kg, 914 mm = 5 kg, and 1067 mm = 5.9 kg)
- Made in U.S.A.
- Optional adjustable shoulder strap
- Optional marrying strap



Brute Force™

The Brute Force is a revolutionary tool for forcible entry that is also designed to marry with our Tri-Bar (or any halligan). This tool is a sledge hammer with benefits. It has a sledge head for driving the Tri-Bar, a chisel/axe edge for cutting/ripping, and a marrying slot for the Tri-Bar. It can perform all of the jobs that the hammer can in addition to great ripping and tearing capabilities.

BF-8 Brute Force Forcible Entry Tool

- The 7 lb. hardened sledge head gives the Brute Force more power over the standard 6lb. flat head axe as a striking tool when used with the Tri-Bar during forcible entry operations.
- The pick/chisel is an aggressive ripping and tearing tool, which can penetrate impact resistant glass (hurricane windows), high impact drywall and car hoods. It can open plaster and lath (wood or wire) walls and ceilings. The tool can be used to breach brick or block walls making basement window openings larger for RIC operations or fire attack. It can also split pad locks when struck by another tool.
- It marries well with the Tri-Bar, making it a good combination for forcing doors and comfortable to carry.
- Applications for this tool are forcible entry, overhaul, salvage, rapid intervention, ventilation, USAR operations, marine/shipboard damage control and many more.



HRT-PRO

The new HRT Pro is a truly versatile, personal firefighting tool. It bridges that gap between small pocket sized tools and large heavy ones. This unique tool can be used as an axe, hammer, spanner, pry bar, gas shut off, door stop, glass breaker, etc... There is also a heavy duty leather sheath option that includes a carrying strap. In the Akron Brass tradition this innovative tool is Made In USA with highest-grade materials and workmanship.

HRTP HRT-PRO Personal Firefighting Tool

- Re-sharpenable Axe
- Hammer and Nail Puller
- Durable Handle
- Pry Bar
- Heat Treated
- Rust Resistant
- Gas Shut Off
- Hose Spanner
- Optional Leather Sheath (includes a carrying strap)





Forcible Entry Tools

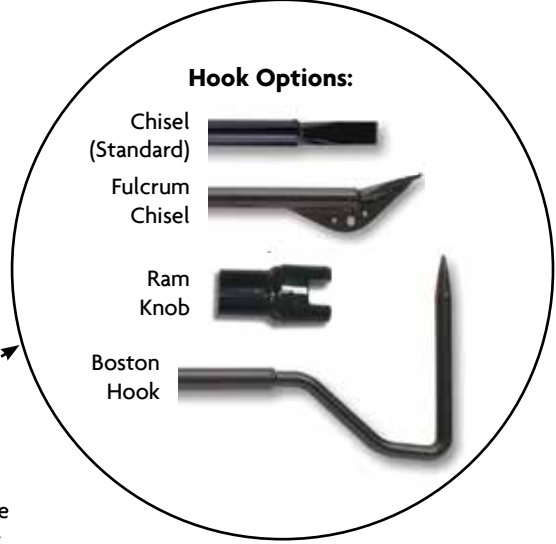
Roof Hook

Like all Akron Brass Tools, the Roof Hook is designed to perform reliably through the toughest use and abuse seen by today's firefighters. It is designed with the highest grade materials for a long lasting, durable, and maintenance-free tool. This all around tool can be used for forced entry, prying open roof scuttles, sounding floors and roofs, venting windows, pulling ceiling, opening walls, and much more.

- Multi-purpose head and chisel are standard ARH tool
- Hollow steel shaft for extreme strength and lightweight application
- Industrial quality abrasive grips shipped loose for personalized placement
- Powder-coated finish for unparalleled corrosion resistance

Options:

- Colors- Black, yellow, red, green, white & silver
- Adjustable shoulder strap
- Hook options



Customize Your Roof Hook

Select one option from each column to build your Roof Hook part number.

	Length	Sholder Strap	Available Options	Custom Colors
ARH	17" (432 mm)	___ = None	___ = Standard Chisel	___ = Black
	24" (610 mm)	S = include shoulder Strap	FC = Fulcrum Chisel	YEL = Yellow
	36" (914 m)		RK = Ram Knob	RED = Red
	48" (1.2 m)		BH = Boston Hook	GRN = Green
	60" (1.5 m)			WHT = White
	72" (1.83 m)			SIL = Silver
	96" (2.44 m)			

Example: **ARH** - **36** - **FC** - **---**

ARH-36-FC = 36" Roof Hook with Fulcrum Chisel Black

Length based on overall length of tool including head and foot.

Gorilla Hook

This heavy-duty roof hook can be used for forced entry, prying, sounding, venting, probing, pulling ceiling, opening walls and more.

AGH

- Solid steel shaft for extreme durability
- Multi-purpose head and fulcrum chisel foot for maximum leverage and prying
- Industrial quality abrasive grips
- Powder-coated finish for unparalleled corrosion resistance
 - High Visibility Green Only
- Available in 3 sizes: 36", 48", & 72" (914 mm, 1219 mm, & 1829 mm) with folcrum chisel
- Optional carrying strap



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Trooper Bar™

The Trooper Bar is a truly multiple purpose utility bar. The unique gooseneck shaped design creates a high degree of leverage forcing your way through the obstruction. This maximizes prying force for quick entry.

- 50 Trooper Bar**
- Solid one piece construction
 - Zinc-plated
 - Gooseneck design
 - Length: 26" (660 mm)
 - Weight: 8 1/2 lbs. (3.9 kg)



Style 50

Pinch Point Bars

Manufactured of high carbon steel with a single one piece construction, Akron's heavy duty Pinch Point Bars provide superior strength for prying, puncturing, digging, lifting and moving heavy objects.

PPB-36 36" (.91 m) Pinch point bar, 6 lbs.

PPB-51 51" (1.3 m) Pinch point bar, 12 lbs.

PPB-60 60" (1.5 m) Pinch point bar, 18 lbs.



PPB-36

Wynn Tool

Expanding the line of firefighting tools, the Wynn Tool is a variation of a pike pole developed specifically for pulling ceilings, especially when dealing with plaster lathe! It has a true chisel tip that can penetrate any wall or ceiling to gain leverage with no lack of strength. The Wynn Tool is available in either a 5 foot (1.5 m) or 6 (1.8 m) foot length with our heavy duty steel pole and D-Handle design. This innovative heavy duty tool is made with highest-grade materials and workmanship.

- Chisel tip
- Angled pike
- D-Handle
- Grip tape wrap

Wynn-5D 5" (1.5m) Wynn Tool
Wynn-6D 6" (1.8 m) Wynn Tool



Axes & Sledges

- PHY-6** 6 lbs. (2.7 kg) Pick head axe w/36" (914 mm) yellow fiberglass handle
- FHY-6** 6 lbs. (2.7 kg) Flat head axe w/36" (914 mm) yellow fiberglass handle
- WP-6** 6 lbs. (2.7 kg) Pick head axe w/36" (914 mm) hickory handle
- WF-6** 6 lbs. (2.7 kg) Flat head axe w/36" (914 mm) hickory handle
- PHY-8** 8 lbs. (3.6 kg) Pick head axe w/36" (914 mm) straight yellow fiberglass handle w/rubber grip
- FHY-8** 8 lbs. (3.6 kg) Flat head axe w/36" (914 mm) straight yellow fiberglass handle w/rubber grip
- FSY-8** 8 lbs. (3.6 kg) Sledge hammer w/36" (914 mm) fiberglass handle
- FSY-10** 10 lbs. (4.5 kg) Sledge hammer w/36" (914 mm) fiberglass handle
- FSY-12** 12 lbs. (5.4 kg) Sledge hammer w/36" (914 mm) fiberglass handle

Replacement handles available for all hand tools

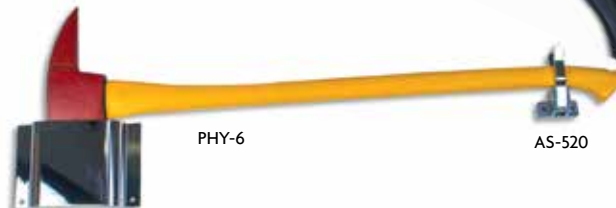


PHY-8



WP-6

AS-510



PHY-6

AS-520



FSY-10



FHY-6



Pike Poles

Pike Poles

Akron® Brass Pike Poles are designed to perform reliably through the toughest use and abuse seen in the today's firefighting. The Pike Poles are constructed with the highest-grade materials and workmanship providing firefighters everywhere with a long lasting, durable, maintenance-free tool they can count on. Akron Brass Pike Poles get the job done!

Akron offers the widest range of pike poles in the fire service today with 5 unique poles, 6 hooks and 4 handle options.

- Meshed fiberglass for added strength and durability
- Lengths of 3' to 14'
- Hooks assembled with heavy duty spring steel roll pins for durability and ease of maintenance. *Excludes I-B
- Available with a wide variety of hooks and handles
- High visibility fiberglass for low visibility environments



5 Pole Options



UT

Ultra-Tough (UT) Honeycombed core for superior strength and weight. 5 times as strong the Ultra-Lite and 2 times as strong as competitive offerings.
Diameter: 1 1/4" (31.75 mm)



UL

Ultra-Lite (UL) Lightweight, durable and easy to handle
Diameter: 1 1/4" (31.75 mm)



PP

Gripper (PP) Solid fiberglass in a unique oval shape
Dimensions: 3/4" x 1 1/8" (19 mm x 28.581 mm)



IB

I-Beam (IB) I-Beam shaped solid fiberglass for maximum strength and easy gripping
Dimensions: 1" x 1 3/8" (25 mm x 34.93 mm)



WR

Wood (WR) Traditional white ash wood poles available
Diameter: 1 3/8" (34.93 mm)

To minimize shipping cost or to add length to poles, we offer the Double Ultra-Lite (UL-DG) with 8" solid fiberglass rod and steel spring roll pins to permanently assemble or Double Gripper (DG) with a metal sleeve, epoxy and steel spring roll pins to permanently assemble after shipment. This results in a 9' to 20' (2.7 m to 6.1 m) heavy duty pike pole that can be shipped by UPS.





7 Hook Options



USA Hook
Standard



Dry Wall Hook
(DWH) Optional



Rubbish Hook
(RH) Optional



Multi-Purpose
New York Style
(MP) Optional



Shredder™
(SH) Optional



3/4" Rubbish Hook
L.A. Trash & Vent
(LARH) Optional



SaberTooth
(ST) Optional

4 Handle Options



Butt End
Standard



Ram Knob
(RK) Optional



D-Ring Handle
(D) Optional



Heavy-Duty D-Handle
(HD) Optional

Customize Your Pike Pole

Select one option from each column to build your Pike Pole part number.

Pole		Length	Handle	Hook
UT	= Ultra-Tough	3' (.9 m)	__ = Butt End	__ = Standard Hook
UL	= Ultra-Lite	4' (1.22 m)	D = D-Handle	DWH = Drywall Hook
UL-DG	= Double Ultra-Lite	6' (1.83 m)	RK = Ram Knob	RH = Rubbish Hook
IB	= I-Beam	8' (2.4 m)	D90 = D-Handle 90° from Head	MP = Multipurpose w/Ram Knob
PP	= Gripper	10' (3.0 m)	HD = Heavy-Duty D-Handle*	D-MP = Multipurpose w/D-Handle
DG	= Double Gripper	12' (3.66 m)		LARH = LA Trash & Vent
WR	= Wood	14' (4.3 m)		SH = Shredder
				ST = Saber Tooth*

* Only available with UT or UL

Example: **UL** - **14** - **D** - **DWH**
UL-14-DWH = 14' Ultra Lite Pike Pole with Drywall Hook





Pike Poles

Adapt-a-Pole™

The Adapt-a-Pole delivers a multi-purpose tool for use in every situation. This tool allows for flexibility & versatility from the same handle. To change tools or hooks, simply disengage the Adapt-a-Pole locking mechanism, select and attach the desired tool or hook for the job. Then it's back to work. There is no longer a need to carry several different tools to accomplish the many tasks around the fire ground. The Adapt-a-Pole provides the tool and hooks for all those tasks in one simple yet effective tool.

AP-VK ROOF KIT

Includes:

- 1- USA Hook 3' (.9 m) (AP-3-USA)
- 1- Rubbish / Ventilation Hook 3' (.9 m) (AP-3-RH)
- 1- D-Handle 3' (.9 m) (AP-3-DH)
- 1- Extension 3' (.9 m) (AP-3-EXT)

AP-SK SALVAGE KIT

Includes:

- 1- Dry Wall Hook 3' (.9 m) (AP-3-DWH)
- 1- Squeegee (AP-SQ)
- 1- Square Nose Shovel (AP-SH)
- 1- Push Broom (AP-BH)
- 2- Handles 4' (1.22 m) (AP-4-BG)
- 1- Extension 4' (1.22 m) (AP-4-EXT)

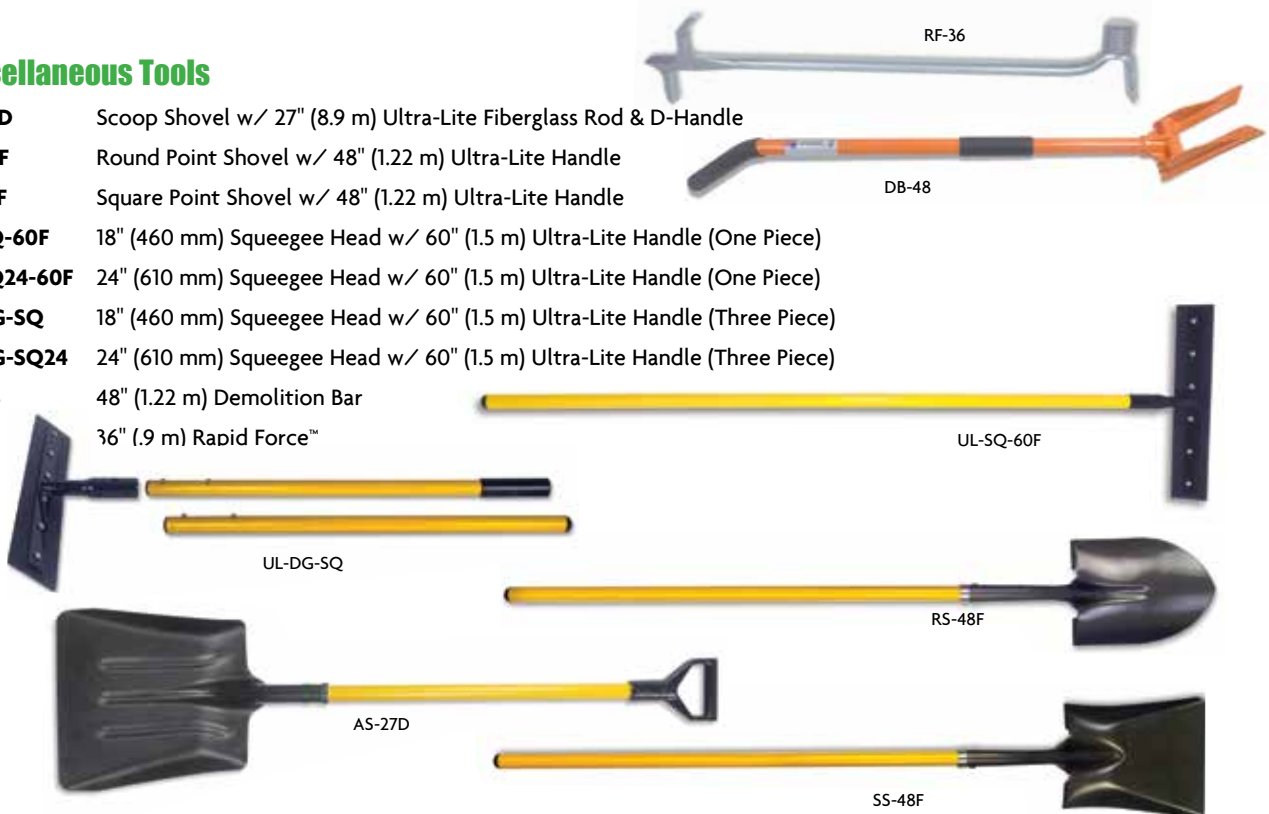
Additional Adapt-a-Pole Options:

- AP-3-USA 3' (.9 m) USA Hook
- AP-3-RH 3' (.9 m) Rubbish Hook
- AP-3-DWH 3' (.9 m) Dry Wall Hook
- AP-3-BG 3' (.9 m) Bumper Grip
- AP-3-DH 3' (.9 m) D-Handle
- AP-3-EXT 3' (.9 m) Extension
- AP-4-EXT 4' (1.22 m) Extension
- AP-4-BG 4' (1.22 m) Bumper Grip
- AP-BH Broom Head
- AP-SH Square Nose Shovel Head
- AP-SQ Squeegee
- AP-AS Scoop Shovel Head



Miscellaneous Tools

- AS-27D** Scoop Shovel w/ 27" (8.9 m) Ultra-Lite Fiberglass Rod & D-Handle
- RS-48F** Round Point Shovel w/ 48" (1.22 m) Ultra-Lite Handle
- SS-48F** Square Point Shovel w/ 48" (1.22 m) Ultra-Lite Handle
- UL-SQ-60F** 18" (460 mm) Squeegee Head w/ 60" (1.5 m) Ultra-Lite Handle (One Piece)
- UL-SQ24-60F** 24" (610 mm) Squeegee Head w/ 60" (1.5 m) Ultra-Lite Handle (One Piece)
- UL-DG-SQ** 18" (460 mm) Squeegee Head w/ 60" (1.5 m) Ultra-Lite Handle (Three Piece)
- UL-DG-SQ24** 24" (610 mm) Squeegee Head w/ 60" (1.5 m) Ultra-Lite Handle (Three Piece)
- DB-48** 48" (1.22 m) Demolition Bar
- RF-36** 36" (.9 m) Rapid Force™





Pinch Point Bar Bracket

- PPBH**
- Pinch point bar holder set, spring loaded, raised mounting; chrome plated zinc.



Pike Pole Brackets

Pike Pole brackets are constructed of the finest materials and are designed for easy mounting.

- PPBK**
- Designed to fit the contour of any pike pole or handle
 - Ideal for mounting between $\frac{3}{4}$ " - $1\frac{1}{4}$ " in diameter handles
- PPBK-LG**
- Ideal for round or elliptical shaped handles between $1\frac{1}{2}$ " - $1\frac{3}{4}$ " in size
- HM-58**
- $1\frac{1}{8}$ - $1\frac{3}{8}$ " O.D. horizontal pole mount with gasket
 - Chrome plate zink finish
 - Works great with "I-Beam" and "Ultra-Tough" pike poles
- HM-59**
- $1\frac{3}{8}$ - $1\frac{3}{4}$ " O.D. horizontal pole mount with gasket
 - Chrome plate zink finish
- VM-58**
- $1\frac{1}{8}$ - $1\frac{3}{8}$ " O.D. vertical pole mount with gasket
 - Chrome plate zink finish
 - Works great with "I-Beam" and "Ultra-Tough" pike poles
- VM-59**
- $1\frac{3}{8}$ - $1\frac{3}{4}$ " O.D. vertical pole mount with gasket
 - Chrome plate zink finish
- PPR-60**
- Pike pole ring with gasket
 - Chrome finish
 - Works well with all pike poles, excluding D-Handles



Tool Brackets

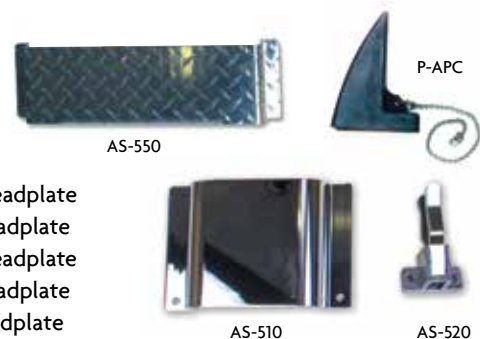
These heavy-duty Tool Brackets have covered jaws for securing various tools.

- 39**
- $\frac{3}{4}$ " - 1" Horizontal Tool Bracket**
- Fits smaller tools and applicators with $\frac{3}{4}$ " to 1" O.D.
 - Length: $3\frac{7}{8}$ " (98 mm), weight: 4 oz. (118 ml)
 - Fits Styles 15, 17, 19
- 40**
- $1\frac{1}{2}$ " - $2\frac{1}{2}$ " Horizontal Tool Bracket**
- Designed for $1\frac{1}{2}$ " and $2\frac{1}{2}$ " applicators and other tools, such as axe handles, with a $1\frac{1}{8}$ " to $1\frac{3}{4}$ " O.D.
 - Length: $4\frac{1}{8}$ " (105 mm), weight: 4 oz. (118 ml)
 - Fits Styles 1088, 2055, 2015, 2415, 2225
- 41**
- $\frac{3}{4}$ " - 1" Vertical Tool Bracket**
- Same as Style 39 except for vertical mount
 - Length: $5\frac{3}{8}$ " (137 mm), weight: 4 oz. (118 ml)
 - Fits Styles 15, 17, 19
- 42**
- $1\frac{1}{2}$ " - $2\frac{1}{2}$ " Vertical Tool Bracket**
- Same as Style 40 except for vertical mount
 - Length: $5\frac{3}{8}$ " (143 mm), weight: 4 oz. (118 ml)
 - Fits Styles 1088, 2055, 2015, 2415, 2225



Axe Mounting Brackets

- AS-510**
- Axe blade bracket for horizontal mounting; polished aluminum
- AS-520**
- Axe handle bracket; chrome plated zinc
- 511-SP**
- $\frac{1}{4}$ " poly spacer for 8 lbs. axes
- P-APC**
- Pick head axe cover w/chain
- AS-530**
- Axe blade bracket for vertical mounting 6 lbs. pick axe; bright alum. treadplate
- AS-540**
- Axe blade bracket for vertical mounting 6 lbs. flat axe; bright alum. treadplate
- AS-550**
- Axe blade bracket for vertical mounting 8 lbs. pick axe; bright alum. treadplate
- AS-560**
- Axe blade bracket for vertical mounting 8 lbs. flat axe; bright alum. treadplate
- AS-570**
- 8 lbs. and 10 lbs. sledge bracket for vertical mounting; bright alum. treadplate





Wildland Fire Hand Tools

Akron® Brass Wildland Fire Hand Tools feature durable lightweight construction, superior cutting ability, exceptional tool balance and powerful grubbing performance. When working on a fire line, you can rely on the durability, workmanship and performance you have come to expect from Akron Brass.



McLeod Tool

The McLeod Tool is used to clear brush and debris as well as construct fire control lines. It is designed to break down easily for packing into the most remote locations.

FSS-MT

- Exceeds the Forest Service Specifications
- Combination of a rake and hoe
- 48" (1.22 m) American Ash handle for strength and durability
- Enhanced ferrule joint for strength and durability
- Black enamel finish for excellent resistance to rust



FSS-MT

WR-MT-48

- 48" (1.22 m) White Ash handle
- Blade is 3/16" (4.76 mm) thick for added strength
- Powder coated



WR-MT-48

UL-MT-48

- 48" (1.22 m) Ultra-Lite fiberglass handle
- Blade is 3/16" (4.76 mm) thick for added strength
- Powder coated

Pulaski Axe

The Pulaski Axe is designed to cut through heavy brush and even small trees.

WPL-4

- 36" (.9 m) American Hickory handle
- 3.75 lb. (1.7 kg) axe with mattock blade
- Painted red



WPL-4

Forestry Service Specified Round Point Shovel

FSS-RP

- Made in accordance to the US Forest Service Specifications
- 38" (.97 m) American Ash handle
- Forged from a single piece of high carbon steel
- Heat treated and tempered for strength and durability



FSS-RP

Fire Broom

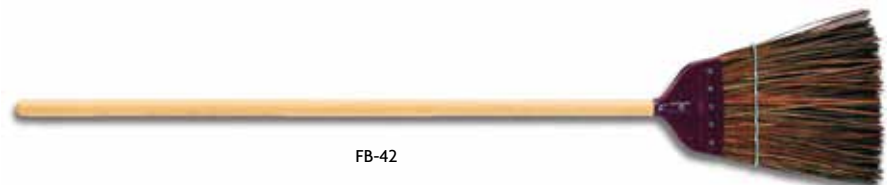
The Fire Broom is designed for direct attack on small brush or grass fires. The hardwood handle, stiff textured Palmyra fiber, and metal cap are locked together to prevent loose handles and fiber fallout.

FB-42

- 42" (1.5 m) hardwood handle
- Palmyra fiber broom

FB-42C

- Case of 12 FB-42s



FB-42



Fire Rake

The Fire Rake is designed with four specially sharpened teeth allowing for ease of chopping, raking, cutting, and moving debris on any fire line. Manufactured in accordance with the United States Department of Agriculture Forest Service Specifications.

FR-12

- 60" (1.5 m) Ash handle
- 14" (356 mm) wide steel rake head
- Powder coated
- 4 blades bolted to head

FR-60F

- 60" (1.5 m) solid fiberglass handle
- 14" (356 mm) wide steel rake head
- Powder coated
- 4 blades bolted to head

UL-FR-60F

- 60" (1.5 m) Ultra-Lite handle
- 14" (356 mm) wide steel rake head
- Powder coated
- 4 blades bolted to head



FR-12

Fire Beater

The Fire Beater is designed to knock down, smother, and extinguish a small grasslands or wildlands fire.

FB-15

- 60" (1.5 m) Ash handle with clear lacquer finish
- Heavy duty PVC belted rubber flap (12" x 14") or (305 mm x 356 mm)
- Black powder coated steel head

FB-60F

- 60" (1.5 m) solid fiberglass handle
- Heavy-duty PVC belted rubber flap (12" x 14") or (305 mm x 356 mm)
- Black powder coated steel head

UL-FB-60F

- 60" (1.5 m) Ultra-Lite handle
- Heavy duty PVC belted rubber flap (12" x 14") or (305 mm x 356 mm)
- Black powder coated steel head



FB-15



Wrenches

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Spanner Wrenches

- 10 Universal Spanner Wrench**
The all-purpose wrench for 3/4" (19 mm) to 3" (76 mm) rocker lug and pin lug couplings. Features a belt hook eye, hammer head and a gas cock shutoff.
 - Akrolite™ construction
 - Length: 11 1/2" (292 mm), weight: 8 oz. (227 g)

- 13 Folding Pocket Spanner**
Fits all 3/4" (19 mm) to 3" (227 g) rocker lug and pin lug couplings.
 - Brass construction
 - Length: 5 1/8" (130 mm) (folded), weight: 8 oz. (227 g)

- 14 Folding Pocket Spanner**
Fits all 3/4" (119 mm) to 3" (76 mm) rocker lug and pin lug couplings.
 - Akrolite construction
 - Length: 5 1/8" (130 mm) (folded), weight: 4 oz. (113 g)

- 19 Universal Suction Spanner Wrench**
An all-purpose wrench for long handle, rocker lug, or pin lug couplings from 2 1/2" to 6". Open end slips over long handles for additional leverage and claw fits rocker or pin lugs. The opposite end can be used as a pry or crowbar. Inverted "T" body construction for light weight and added strength.
 - Plated steel
 - Length: 18 3/4" (476 mm), weight: 3 1/4 lbs. (1.5 kg)

- 25 Hole Type Spanner Wrench**
For hole type, rocker lug and pin lug couplings. Plated for corrosion resistance. Specify either 3/4" (19 mm) - 1" (25 mm) or 2 1/2" (64 mm) size.
 - Plated steel construction
 - Length: 7" (178 mm), weight: 12 oz. (340 g)

- 46 Fitzall Combination Spanner**
Designed to fit rocker lug and pin lug couplings from 3/4" (19 mm) to 4" (102 mm). Gas shutoff in handle.
 - Akrolite construction
 - Length: 10 1/4" (260 mm), weight: 8 oz. (227 g)
 - NSN 5120-00-018-1519

- SS-525 Super Spanner Wrench**
Fits any standard 4" (102 mm) and 5" (127 mm) Storz or locking type Storz coupling and 1 1/2" (38 mm) to 3" (76 mm) rocker lug couplings. Gas shutoff. Unique bent design for easy pick up with a gloved hand.
 - Bright zinc plated.

- SS-MP Super Spanner Set**
Set includes mounting plate and four SS-525 super spanners wrenches

- SS-523 Single Ended Spanner Wrench**
Fits any standard 4" (102 mm) and 5" (127 mm) storz or locking type storz coupling with handle grip; bright zinc plated.

- SS-523-MP Single Ended Spanner Set**
Set includes mounting plate and four SS-523 single ended spanners

- SS-MPX Spanner Mounting Plate**
Mounting plate for SS-523 & SS-525 spanner wrenches



Style 10



Style 13



Style 14



Style 19



Style 25



Style 46



SS-525



SS-MP



SS-523-MP



Aluminum Wrench Holders

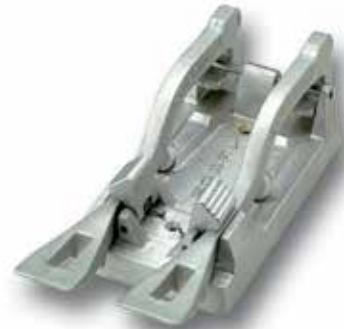
Anodized Aluminum Dual Wrench Holder is designed so wrenches can be removed or replaced with one hand.

- Anodized aluminum for added durability
- 2 or 3 wrench options
- Designed so wrenches can be removed with one hand

- 0441 3 Wrench Holder**
- 0442 3 Wrench Holder with (1) 15 & (2) 46**
- 0443 3 Wrench Holder with (1) 15 & (2) 10**
- 446 2 Wrench Holder**
 - Size: 5" (127 mm) x 11 1/2" (292 mm), weight: 1 1/2 lbs. (.68)
- 447 2 Wrench Holder with Wrenches**
 - Holder with (2) Style 46 wrenches
- 448 2 Wrench Holder with Wrenches**
 - Holder with (2) Style 10 wrenches
- 449 2 Wrench Holder with Wrenches**
 - Holder with (1) Style 10 and (1) Style 46 wrench



Style 443

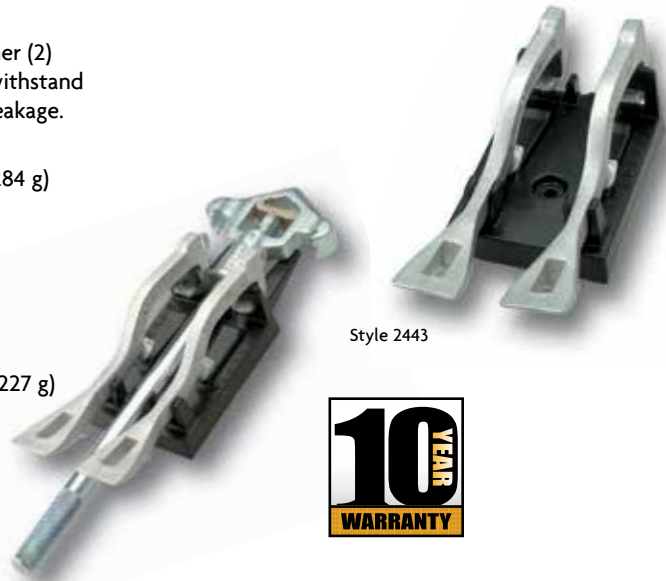


Style 448

Nylon Wrench Holder/Sets

Impact resistant Nylon Wrench Holder is designed to hold either (2) Spanners or (2) Spanners and a Hydrant Wrench. Holders will withstand temperatures to -40° F and have a 10 year guarantee against breakage.

- 2441 3 Wrench Holder**
 - Size: 4 1/2" (114 mm) x 10" (254 mm), weight: 10 oz. (284 g)
- 2442 3 Wrench Holder with Wrenches**
 - Holder with (1) Style 15 and (2) Style 46 wrenches
- 2443 Wrench Holder with Wrenches**
 - Holder with (1) Style 15 and (2) Style 10 wrenches
- 2446 2 Wrench Holder**
 - Size: 4 1/2" (114 mm) x 7 1/2" (191 mm), weight: 8 oz. (227 g)
- 2447 2 Wrench Holder with Wrenches**
 - Holder with (2) Style 46 wrenches
- 2448 2 Wrench Holder with Wrenches**
 - Holder with (2) Style 10 wrenches



Style 2443



Hydrant Wrenches

- Adjustable to 1 3/4" (44 mm) pentagon or 1 1/4" (32 mm) square nut
- Plated for corrosion resistance
- Designed to prevent hydrant nut damage
- Spanner fits 2 1/2" (64 mm) to 4 1/2" (114 mm) rocker lug or pin lug couplings
- Replaceable brass inserts

- 15 Hydrant and Spanner Wrench**
 - Length: 19 1/2" (495 mm), weight: 5 lbs. (2.2 g)
- 17 Adjustable Hydrant Wrench**
 - Length: 18 5/8" (473 mm), weight: 4 1/2 lbs. (2 kg)



Style 15



Style 17



Fittings & Accessories

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com



630
Angle Elbow SWIVEL FEMALE x MALE
• 2 1/2" & 3" sizes in 30° (64 & 76 mm)
• 4" size 45° (102 mm)
† 2 1/2" x 2 1/2" (65 x 65 mm)
† 3" x 2 1/2" (75 x 65 mm)
3" x 3" (76 x 76 mm)
◊ 4" x 4" (100 x 100 mm)

632
90° Suction Elbow FEMALE x MALE
† ◊ 2 1/2" x 2 1/2" (65 x 65 mm)
† ◊ 4" x 4" (100 x 100 mm)
† ◊ 5" x 5" (125 x 125 mm)

655
90° Front Suction Elbow with Strainer FEMALE NPT x MALE NH
4" x 4" (100 x 100 mm)
4" x 4 1/2" (100 x 114 mm)
† 5" x 5" (125 x 125 mm)
† ◊ 5" x 6" (125 x 150 mm)

635
90° Continuous Swiveling Elbow FEMALE NPT x MALE NH or NPSH
• Full 2" (51 mm) waterway with cast-in turning vane
1 1/2" or 2" female x 1 1/2" male (38 or 50 x 38 mm)
2 7/16" or 4 5/8" length
2 1/2" female x 2 1/2" male (65 mm x 65mm)
5" length

347
Hose Plug
• Available with rocker lug
• Chain optional through 4" (102 mm)
† 1 1/2" (38 mm)
2" (50 mm)
† 2 1/2" (65 mm)
* † 3" (75 mm)
3 1/2" (89 mm)
4" (100 mm)
4 1/2" (114 mm)
† 5" (125 mm)
6" (150 mm)

KEY

✓ Optional with strainer
 * Pyrolite
 † Cast or chrome
 ◊ Chrome Ends with Red Paint
 # Cast brass

NOTE: All items are chrome, unless noted otherwise.



326
British Instantaneous Adapter MALE x BIM
*# 1 1/2" x 2 1/2" (38 x 38 mm)
*# 2 1/2" x 2 1/2" (65 x 65 mm)

335
Double Female Swivel Adapter
* † 1 1/2" (38 mm)
† 2" (50 mm)
* † 2 1/2" (65 mm)
† 2 1/2" x 1 1/2" (65 x 38 mm)
† 3" x 2 1/2" (75 x 38 mm)
† 3" (75 mm)

336
Double Male Adapter
* † 1 1/2" (38 mm)
† 2" (50 mm)
† 2" x 1 1/2" (50 x 38 mm)
2" x 2 1/2" (50 x 65 mm)
† 2 1/2" x 1 1/2" (65 x 38 mm)
* † 2 1/2" (65 mm)
† 3" x 2 1/2" (75 x 65 mm)
† 3" (75 mm)
3 1/2" (89mm)
4" (100 mm) Pyrolite only

354
Female Swivel to Male Adapter
• Long handle or rocker lug
† 2 1/2" x 2 1/2" (65 x 65 mm)
2 1/2" x 3" (65 x 75 mm)
2 1/2" x 3 1/2" (65 x 89 mm)
† 2 1/2" x 4" (65 x 100 mm)
2 1/2" x 4 1/2" (65 x 114 mm)
2 1/2" x 5" (65 x 125 mm)
2 1/2" x 6" (65 x 150 mm)
† 3" x 2 1/2" (75 x 65 mm)
3" x 3" (76 x 76 mm)
3" x 3 1/2" (75 x 89 mm)
3" x 4" (75 x 100 mm)
3" x 4 1/2" (75 x 114 mm)
3" x 5" (76 x 127 mm)
3 1/2" x 2 1/2" (89 x 89 mm)
3 1/2" x 3" (89 x 75 mm)
3 1/2" x 4 1/2" (89 x 114 mm)
† 4" x 2 1/2" (100 x 64 mm)
4" x 3" (100 x 75 mm)
4" x 4" (100 x 100 mm)
4" x 4 1/2" (100 x 114 mm)
4" x 5" (100 x 125 mm)
4" x 6" (100 x 153 mm)
4 1/2" x 2 1/2" (114 x 65 mm)
4 1/2" x 4" (114 x 100 mm)
4 1/2" x 4 1/2" (114 x 114 mm)
4 1/2" x 5" (114 x 125 mm)
4 1/2" x 6" (114 x 150 mm)
5" x 4" (125 x 100 mm)
5" x 4 1/2" (125 x 114 mm)
5" x 6" (125 x 150 mm)
6" x 2 1/2" (150 x 65 mm)
6" x 4" (150 x 100 mm)
6" x 4 1/2" (150 x 114 mm)
6" x 5" (150 x 127 mm)

357
Double Female Swivel Adapter
• Long handle or rocker lug
† 3" x 2 1/2" (76 x 65 mm)
3 1/2" x 3 1/2" (89 x 89 mm)
4" x 2 1/2" (100 x 65 mm)
4" x 3 1/2" (100 x 89 mm)
* 4" x 4" (100 x 100 mm)
* 4 1/2" x 2 1/2" (114 x 65 mm)
4 1/2" x 3" (114 x 75 mm)
4 1/2" x 4" (114 x 100 mm)
* 4 1/2" x 4 1/2" (114 x 65 mm)
* 5" x 2 1/2" (125 x 65 mm)
5" x 4" (125 x 100 mm)
* 5" x 4 1/2" (125 x 114 mm)
5" x 5" (125 x 125 mm)
* 6" x 2 1/2" (150 x 65 mm)
6" x 3 1/2" (150 x 89 mm)
6" x 4" (150 x 100 mm)
* 6" x 4 1/2" (150 x 114 mm)
* 6" x 5" (150 x 125 mm)
* 6" x 6" (150 x 150 mm)

- 1422 Rigid Direct Connect Base**
- For adapting an 1 1/2" nozzle base to a 2 1/2" hose line
 - Pyrolite® construction
 - 2 1/2" female x 1 1/2" male
 - Tapered waterway for reduced turbulence
 - Weight: 12 oz. (340 g)



Style 1422

- 422 Rigid Direct Connect Base**
- Same as Style 1422 except brass with cast or chrome finish
 - Weight: 1 1/2 lbs. (.7 kg)



345
Hose Cap
• Available with rocker lug
• Chain optional
† 3/4" GHT (19 mm)
† 1" (25 mm)
† 1 1/2" (38 mm)
† 2" (50 mm)
† 2 1/2" (65 mm)
† 3" (75 mm)
† 3 1/2" (89 mm)

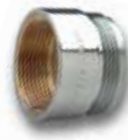


KEY	
✓	Optional with strainer
*	Pyrolite
†	Cast or chrome
◊	Chrome Ends with Red Paint
#	Cast brass

NOTE: All items are chrome, unless noted otherwise.



331 Long Internal Lug Adapter FEMALE NPT x MALE
† 2 1/2" only (65 mm)



330 Short Internal Lug Adapter FEMALE NPT x MALE
† 1 1/2" x 1 1/2" (38 x 38 mm)
2" x 1 1/2" (50 x 38 mm)
✓† 2 1/2" x 2 1/2" (65 x 65 mm)
† 3" x 2 1/2" (75 x 65 mm)
† 3" x 3" (75 x 75 mm)



337 Rigid Female to Male Adapter
† 3/4" GHT x 1" (19 x 25 mm)
† 1" x 3/4" GHT (25 x 19 mm)
† 1" x 1" (25 x 25 mm)
† 1" x 1 1/2" (25 x 38 mm)
† 1 1/4" x 1" (32 x 25 mm)
† 1 1/2" x 3/4" (38 x 19 mm)
† 1 1/2" x 1" (38 x 25 mm)
† 1 1/2" x 1 1/2" (38 x 38 mm)
† 1 1/2" x 2" (38 x 50 mm)
*† 1 1/2" x 2 1/2" (38 x 65 mm)
† 2" x 1" (50 x 25 mm)
† 2" x 1 1/2" (50 x 38 mm)
† 2" x 2" (50 x 50 mm)
† 2" x 2 1/2" (50 x 65 mm)
† 2 1/2" x 3/4" GHT (65 x 19 mm)
† 2 1/2" x 1 1/2" (65 x 38 mm)
† 1 1/2" x 1" (38 x 25 mm)
*† 2 1/2" x 1 1/2" (65 x 38 mm)
† 2 1/2" x 2" (65 x 50 mm)
*† 2 1/2" x 2 1/2" (65 x 65 mm)
† 2 1/2" x 3" (65 x 76 mm)
† 2 1/2" x 3 1/2" (65 x 89 mm)
† 3" x 1 1/2" (75 x 38 mm)
† 3" x 2 1/2" (75 x 65 mm)
† 3" x 3" (75 x 75 mm)
† 3" x 3 1/2" (75 x 89 mm)
† 3 1/2" x 2 1/2" (89 x 65 mm)
† 3 1/2" x 3" (89 x 75 mm)



356 Rigid Female to Male Adapter
† 2 1/2" x 4" (65 x 100 mm)
† 3 1/2" x 4" (89 x 100 mm)
† 4" x 2 1/2" (100 x 65 mm)
† 4" x 3" (100 x 75 mm)
† 4" x 3 1/2" (100 x 89 mm)
† 4" x 3" (100 x 75 mm)
† 4" x 3 1/2" (100 x 89 mm)
✓† 4" x 4" (100 x 100 mm)
† 4" x 4 1/2" (100 x 114 mm)
† 4" x 5" (100 x 125 mm)
† 4" x 6" (100 x 153 mm)
† 4 1/2" x 2 1/2" (114 x 65 mm)
† 4 1/2" x 3" (114 x 75 mm)
† 4 1/2" x 4" (114 x 100 mm)
† 4 1/2" x 4 1/2" (114 x 114 mm)
† 4 1/2" x 5" (114 x 125 mm)
† 4 1/2" x 6" (114 x 150 mm)
† 5" x 2 1/2" (125 x 65 mm)
† 5" x 3" (125 x 75 mm)
† 5" x 4" (125 x 100 mm)
✓† 5" x 4 1/2" (125 x 114 mm)
† 5" x 5" (125 x 125 mm)
† 5" x 6" (125 x 150 mm)
† 6" x 3" (150 x 75 mm)
† 6" x 4" (150 x 100 mm)
✓† 6" x 4 1/2" (150 x 114 mm)
✓† 6" x 5" (150 x 125 mm)
† 6" x 6" (150 x 150 mm)



338 Suction Lug Adapter with Strainer FEMALE NPT x FEMALE SWIVEL
† 1 1/2" x 1 1/2" (38 x 38 mm)
† 2 1/2" x 2 1/2" (65 x 65 mm)
† 3" x 2 1/2" (75 x 65 mm)
3" x 3" (75 x 75 mm)
3" x 3 1/2" (75 x 89 mm)
3 1/2" x 3 1/2" (89 x 89 mm)
3 1/2" x 4" (89 x 100 mm)
4" x 3 1/2" (100 x 89 mm)
† 4" x 4" (100 x 100 mm)
5" x 4" (125 x 100 mm)



361 Double Male Hex Nipple
3/4" x 3/4" GHT or NPSH (19 x 19 mm)
† 1" x 3/4" GHT (25 x 19 mm)
† 1" x 1" (25 x 25 mm)
1 1/2" x 1" NH (38 x 25 mm)
† 1 1/2" x 1 1/2" (38 x 38 mm)
† 2" x 1 1/2" NH (50 x 38 mm)
† 2" x 2" (50 x 50 mm)
† 2 1/2" x 2" (65 x 50 mm)
† 2 1/2" x 2 1/2" (65 x 65 mm)



362 Female to Male Hex Nipple
† 3/4" x 3/4" (19 x 19 mm)
† 1" x 3/4" GHT (25 x 19 mm)
† 1" x 1" (25 x 25 mm)
† 1 1/2" x 3/4" GHT (38 x 19 mm)
† 1 1/2" x 1 1/2" (38 x 38 mm)
† 2" x 1 1/2" (50 x 38 mm)
† 2" x 2 1/2" (50 x 65 mm)
† 2 1/2" x 2 1/2" (65 x 65 mm)
† 3" x 2 1/2" (75 x 65 mm)

- 631 60° Angle Elbow**
- For high-rise stand pipes
 - Pyrolite® finish
 - 2 1/2" female x 2 1/2" male
 - Weight: 1 7/8 lbs. (.9 kg)

- 633 30° Discharge Elbow**
- For use on the pumper discharge
 - Chrome finish
 - 2 1/2" NPT X 2 1/2" NH weight: 3 lbs. (1.4 kg)

- 650 Swiveling Elbow**
- For aerial applications
 - Pyrolite finish
 - Full flow waterway with cast-in turning vanes for reduced friction loss
 - Available in 4", 5" and 6" sizes
 - Weight: 8 3/4 lbs. (4 kg)



Style 631



Style 650



Style 633



Hose Equipment

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Suction Strainers

339 Basket Suction Strainer

An economical, high capacity suction strainer with galvanized plated mesh for longer life.

- Available in 2 1/2" (65 mm) and 5" (127 mm) size NH and other selected threads
- 2 1/2" (65 mm) barrel strainer length: 4 7/8" (124 mm), weight: 2 lbs. (.9 kg)

340 Barrel Suction Strainer

Heavy-duty barrel suction strainer with rope eye. Capable of flowing large volumes of water to match today's high capacity pumps.

- Pyrolite® finish
- Available in 4" (102 mm) through 6" (152 mm) NH; 5" (127 mm) weight: 4 1/4 lbs. (1.9 kg)
- 5" (127 mm) barrel strainer length: 10" (254 mm), weight: 4 1/4 lbs. (1.9kg)

344 Barrel Suction Strainer

Heavy-duty barrel suction strainer designed to accommodate large volumes of water.

- Steel with nickel chrome plate
- Available in 2 1/2" (65 mm) NH and other selected threads
- 2 1/2" (65 mm) barrel strainer length: 6 7/8" (175 mm), weight: 3 lbs. (1.4 kg)



Style 339



Style 344

Hose Jackets

772 2 1/2" (64 mm) Hose Jacket

For emergency repair of burst or leaky hose - or as an emergency adapter for the connection of two hose lines with different threads in situations where pressures do not exceed 150 psi (10.34 bar).

- Akrolite® construction and molded neoprene liner
- Fits all 2 1/2" (64 mm) hose from 2 3/4" (70 mm) to 3 5/16" (84 mm) O.D.
- Length: 13" (330 mm), weight: 16 1/2 lbs. (7.5 kg)

773 3" (76 mm) Hose Jacket

- Same as Style 772, except: Fits 3" (76 mm) hose from 3 1/2" (89 mm) to 3 3/4" (95 mm) O.D.
- Length: 15" (381 mm), weight: 26 3/4 lbs. (12.1 kg)

352 2 1/2" (64 mm) Hose Jacket Mounting Peg

- For mounting 2 1/2" (64 mm) hose jacket on a running board or in a compartment
- Length: 13 3/8" (340 mm), weight: 2 1/4 lbs. (1 kg)

353 3" (76 mm) Hose Jacket Mounting Peg

- Same as Style 352, except for 3" (76 mm) hose jacket
- Length: 15 1/2" (394 mm), weight: 3 3/4 lbs. (1.7 kg)



Style 772

Hose Clamp

588 Hose Clamp

- For use on double-jacketed woven hose up to 3" (76 mm)
- Rubber jaws and lock
- Lightweight for easy handling
- Supplied with Style 589 mounting bracket
- Length: 30" (762 mm), weight: 16 lbs. (7.3 kg)

589 Hose Clamp Mounting Bracket

- For Style 588 Hose Clamp



Style 588



Equipment Holders

- 350 Mounting Plate**
- Chrome plated
 - Available in 1" (25 mm) to 6" (152 mm) sizes
 - For securing equipment with female threads
 - Screw type mount with bolt holes in the center for neat appearance
 - 2 1/2" (64 mm) weight: 12 oz. (340 g)
- 373 E-Z - Lok Nozzle Holder**
- Available in 1 1/2" (38 mm) and 2 1/2" (64 mm) sizes - Must specify
 - For securing equipment with female threads
 - Quick release for fast and easy mounting and removal
 - Weight: 1 5/8 lbs. (.7 kg)



Style 350



Style 373

Taps And Dies

- 90 1 1/2" (38 mm) and 2 1/2" (64 mm) Die**
- For chasing damaged brass male threads
 - Made of hardened tool steel
 - Available in NH, and NPSH only
 - 2 1/2" (64 mm) weight: 3 1/4 lbs. (1.5 kg)
- 91 1 1/2" (38 mm) and 2 1/2" (64 mm) Tap**
- Same as Style 90, except for chasing female threads
 - 2 1/2" (64 mm) weight: 3 1/2 lbs. (1.6 kg)



Style 90



Style 91

Sprinkler Shutoff

- 1078 Quickfit Sprinkler Shutoff**
- Simple, quick, positive shutoff for many types of sprinkler heads with openings of approximately 7/8" (22 mm) wide by 1" (25 mm) high or 3/4" (19 mm) wide by 1 1/16" (43 mm) high. Allows sprinkler heads out of fire area to be shut off. Weight: 6 oz. (170 g)



Style 1078

Lubricants

Repair instructions for Akron® products often call for lubricants to ensure proper repair and long term service.

- 9201 Parker® O-Lube**
- 4 oz. (113 g) tube
- 9202 Low-Temp Lubriplate®**
- 10 oz. (284 g) tube
- 9203 Low-Temp Lubriplate**
- 14 1/2 oz. (411 g) cartridge



Style 9201



Style 9202



Style 9203



Specialized Tools

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Tool Kit

9200 Nozzle Repair Tool Kit
Self-contained kit includes the tools needed to repair standard Akron® Nozzles. All tools packaged in a carrying case.

- Tools include:
 - Hammer
 - Pliers
 - Open Face Spanner
 - Strap Wrench
 - O-Ring Lubricant
 - 2 O-Ring Tools
 - 2 Screw Drivers
 - 2 Punches
 - 3 Swivel Adapter Tools
 - 8 Hex Wrenches
 - 1 Retaining Pin Removal Tool
- Size: 12" x 8 1/2" x 2 3/4" (305 mm x 216 mm x 70 mm)
- Weight: 8 1/2 lbs. (3.9 kg)



Style 9200

Expansion Units

- 75 Expansion Units**
- Available in 1 1/2", 1 3/4", 2", 2 1/2" - 6" (38 mm, 44 mm, 51 mm, 64 mm - 152)
 - Expansion Units consist of hardened steel segments, segment holder and drawbar
 - Hard chromed for longer life
 - The 2 1/2" (64 mm) and 3" (76 mm) sizes use a 2 1/2" (64 mm) drawbar and 3 1/2" (89 mm) - 6" (152 mm) use a 3 1/2" (89 mm) drawbar



Style 75

Leaf Thread Gauge

- 70 Leaf Thread Gauge**
- Used to determine number of threads per inch
 - Leaf sizes include: 4, 4.5, 5, 5.5, 6, 7, 7.5, 8, 9, 10, 11, 11.5, 12, 13, 14, 15, 16, 18, 20, 22, 24, 26, 27, 28, & 30



Style 70

Specialty Tools

- 50 Utility Bar**
- A zinc-plated, all-purpose, forcible entry tool.
 - Weight: 8 1/2 lbs. (3.9 kg), length: 26" (660 mm)



Style 50



Heat Sensors

9011 Heat Sensor with Laser Sight

- Only 11 oz.
- Backlit $\frac{7}{16}$ " (11.1 mm) LCD display
- Detects surface temperature of -25° to 999°F (-32° to 535°C)
- Includes 9V battery and compact storage case
- D:S-12:1

Mini Heat Sensor with Laser Sight

- Only 8 oz. (227 g)
- Backlit LCD display
- Detects surface temperature of 0° to 525°F (-18° to 275°C)
- Includes 9V battery
- D:S-8:1



Style 9011



Style 9011
Mini

Hose Accessories

583 Hose Hoist

- Akrolite™ construction
- For raising or lowering hose, ladders, etc. to and from the roof or through windows
- Weight: $7\frac{1}{8}$ lbs. (3.4 kg)

78 Hose & Ladder Strap

- Secures hose up to 3" (76 mm) on ladders, fire escapes, etc. and aids in the handling of hose
- Anodized aluminum fittings with 1" (25 mm) wide, flat, water-resistant nylon webbing
- Fits ladder rungs up to 2" (51 mm) O.D.
- Weight: 1 lbs. (.5 kg)



Style 583



Style 78



Valve Guide

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

To place an order, state the style number, inlet and outlet adapters needed (always list inlet adapter first), and the type of handle/ actuator. All threaded adapters require thread information. Rigid female adapters are available only with tapered pipe thread (NPT). Hose threaded adapters will be supplied with National Hose (NH) thread unless otherwise specified.

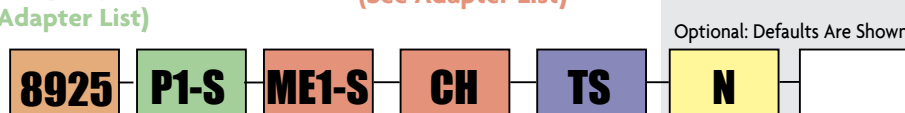
Style	Description	Ball Type	Actuators
8620	2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8625	2 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8630	3" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8635	3 1/2" Generation II Heavy Duty Non-Locking Swing-Out Valve	Stainless Steel	SZ, R/S, EA or GA
8810	1" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC
8815	1 1/2" Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, TS, TSC
8820	2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8825	2 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8830	3" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8835	3 1/2" Generation II Heavy Duty "Self Locking" Swing-Out Valve	Stainless Steel	R1, SZ, TS, or TSC
8840	4" Heavy Duty "Self Locking" Swing-Out Valve	Bronze, Flat	Air, EA or GA
8910	1" Heavy Duty "Self Locking" Swing-Out Valve	Fusion CF	R1, TS, TSC
8915	1 1/2" Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC
8920	2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA
8925	2 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA
8930	3" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA
8935	3 1/2" Generation II Heavy Duty Swing-Out Valve	Fusion CF	R1, TS, TSC, SZ, R/S, EA or GA
8940	4" Heavy Duty Swing-Out Valve	Fusion CF	Air, EA or GA



Inlet/Pump Side Adapter (See Adapter List)

Outlet Adapter (See Adapter List)

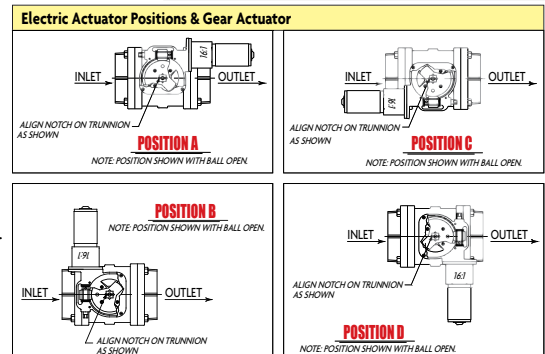
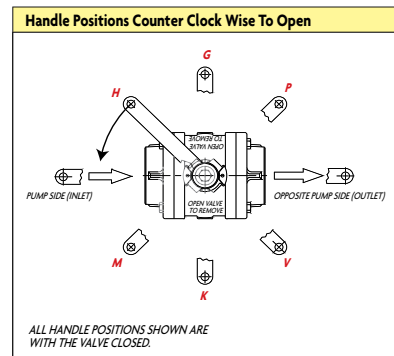
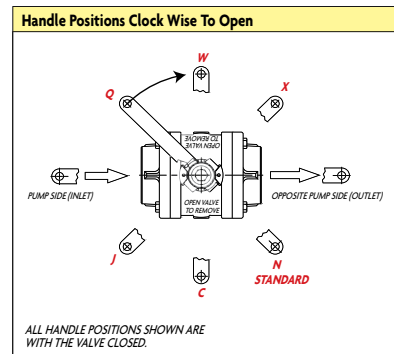
Actuator/Handle Type	Options Order Code
R1	R1
TS	TS
TSC	TSC
SZ	SZ
Gear Actuator	GA
Electric Actuator	EA
Rack & Sector	RS



- Valve Body** - Select style number from chart
- Inlet Adapter** - Select from adapter list
- Outlet Adapter** - Select from adapter list
- Enter "CH" to specify chrome option where available. Refer to adapter list for availability. Leave Blank for Standard Cast Finish
- Specify Actuator** - Select from actuator chart above
- Specify Actuator Position** - See chart at right for positions. "N" is standard for manual actuators
- Optional Slo-Cloz™** - Enter "SC" to specify or leave blank for no Slo-Cloz

Example shown is a 2 1/2" valve with composite ball. It has a P1-S inlet adapter and a ME1-S outlet adapter, with chrome plating. The valve has a TS handle in standard position "N" and does not have Slo-Cloz installed.

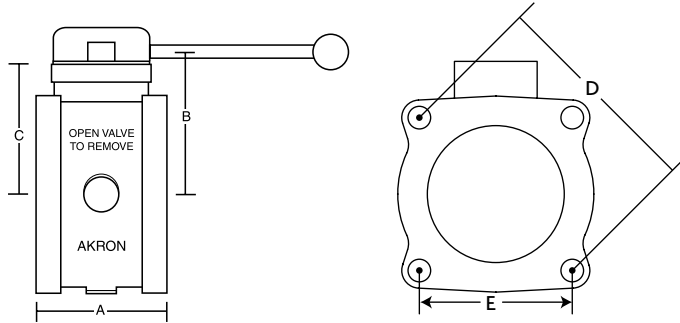
* For special configurations, contact Akron Brass customer service





VALVE TECHNICAL INFORMATION

BODY DIMENSION KEY



- A: Overall body length
- B: From centerline of waterway to centerline of handle
- C: From centerline of waterway to actuator mounting surface
- D: Bolt circle diameter for valve adapter holes
- E: Linear dimension for valve adapter holes

8600, 8800 & 8900 Series Valves

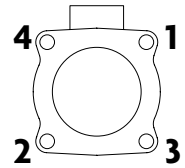
STYLE	SIZE	A		B		C	D	E
		R-1	SZ					
8810 8910	1" (25 mm)	1 13/16" (46 mm)	2 25/64" (61 mm)	-	1 13/16" (46 mm)	2 3/4" (70 mm)	2" (51 mm)	
8815 8915	1 1/2" (38 mm)	2 1/4" (57 mm)	3 3/16" (81 mm)	-	2 1/8" (54 mm)	3 1/2" (89 mm)	2 1/2" (64 mm)	
8620 8820 8920	2" (51 mm)	3" (76 mm)	3 3/4" (95 mm)	4 5/32" (106 mm)	2 3/4" (70 mm)	4 1/2" (114 mm)	3 1/4" (82.55 mm)	
8625 8825 8925	2 1/2" (64 mm)	3 1/2" (89 mm)	4 1/8" (105 mm)	4 3/16" (106 mm)	3 1/8" (79 mm)	5 3/8" (137 mm)	3 3/4" (95 mm)	
8630 8830 8930	3" (76 mm)	4" (102 mm)	4 5/8" (105 mm)	4 9/16" (116 mm)	3 1/2" (89 mm)	6 1/8" (156 mm)	4 1/4" (107.95 mm)	
8835 8935	3 1/2" (89 mm)	4" (102 mm)	4 1/2" (114 mm)	4 9/16" (116 mm)	3 1/2" (89 mm)	6 1/8" (156 mm)	4 1/4" (107.95 mm)	
8840	4" (102 mm)	4" (102 mm)	-	-	4 1/8" (105 mm)	7 1/16" (179 mm)	5" (127 mm)	
8940	4" (102 mm)	6" (152 mm)	-	-	4 1/8" (105 mm)	7 1/16" (179 mm)	5" (127 mm)	

Torque Requirements

Styles 8620-8635, 8810-8840 and 8910-8940

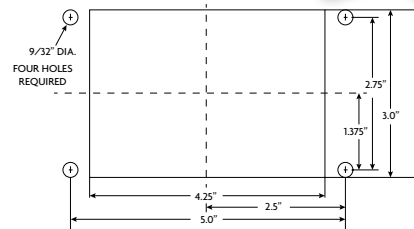
The following is to be used for torquing the hex head bolts which hold the adapters to the body.

VALVE	TORQUE REQUIREMENT
8810/8910	100-120 Inch Pounds
8815/8915	216-240 Inch Pounds
8620/8820/8920	25-30 Foot Pounds
8625/8825/8925	25-30 Foot Pounds
8630/8830/8930	38-40 Foot Pounds
8635/8835/8935	38-40 Foot Pounds
8840/8940	60-70 Foot Pounds

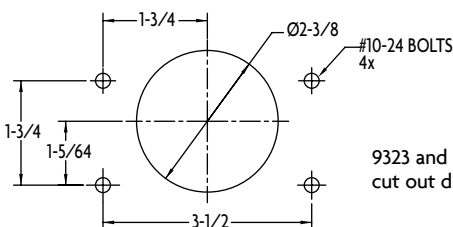


NOTE: Bolts are to be tightened evenly. Tighten opposite bolts in sequence as indicated below, not adjacent bolts in sequence. After all bolts are initially tightened, repeat the process in the same sequence.

Cutout Dimensions Position Indicator



	Air Actuator		Handwheel Actuator			Rack & Sector		Slo-Cloz™		Electric	
Size	A	B	A	B	C	A	B	7875	7675	A	B
2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	-	-	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
2 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 1/2" (89 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
3 1/2"	-	-	10 1/2" (267 mm)	1 21/32" (42 mm)	4" (102 mm)	4 13/16" (122 mm)	3 7/8" (98 mm)	1 7/8" (48 mm)	2 3/8" (60 mm)	12 1/4" (311 mm)	3 11/16" (94 mm)
4"	8 1/2" (216 mm)	5 3/4" (146 mm)	12 7/16" (316 mm)	3 1/8" (79 mm)	6" (152 mm)	-	-	-	-	12 1/4" (311 mm)	4 1/8" (105 mm)



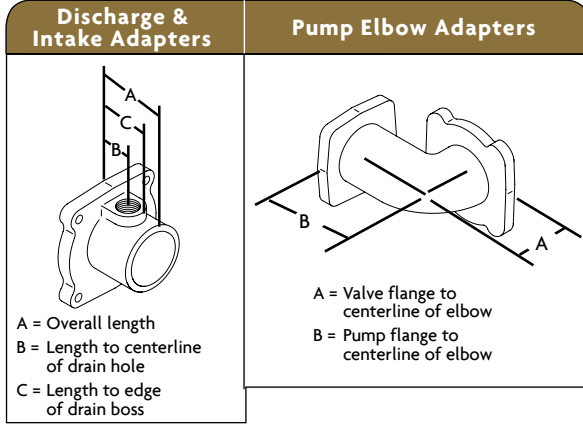
9323 and 9325 Valve Controller cut out dimensions



Valve Guide

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Valve Dimension Key



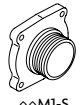
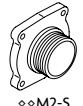

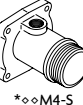









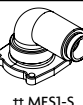
KEY	
*	1/4" and 3/4" NPT taps
**	(2) 1/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

Rigid NPT

STYLE	SIZE							
	1" (25 mm)	1 1/2" (38 mm)	2" (50 mm)	2 1/2" (65 mm)	3" (75 mm)	3 1/2" (89 mm)	4" (100 mm)	
M1-S	A	1 21/32" (42 mm)	1 5/16" (33 mm)	1 5/8" (41 mm)	2" (51 mm)	2 1/16" (52 mm)	2 7/32" (56 mm)	2 21/32" (75 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
M12-S	A	-	-	1 15/16" (49 mm)	-	3 3/4" (95 mm)	-	-
	B	-	-	-	-	-	-	-
	THREAD	-	-	2 1/2" NPT (64 mm)	-	4" NPT (102 mm)	-	-
P1-S	A	1 1/8" (29 mm)	1 1/8" (29 mm)	1 1/4" (32 mm)	1 7/8" (48 mm)	1 7/8" (48 mm)	2" (51 mm)	2 1/8" (54 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
* P2-S	A	-	3 3/8" (86 mm)	3 1/4" (83 mm)	3 19/32" (91 mm)	3 7/16" (87 mm)	4" (102 mm)	4 5/16" (110 mm)
	B	-	1 5/8" (41 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)
	C	-	1 3/8" (35 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 19/32" (66 mm)
* P2-SE	A	-	-	-	4 3/16" (106 mm)	-	-	-
	B	-	-	-	1 3/4" (44 mm)	-	-	-
	C	-	-	-	2 15/32" (63 mm)	-	-	-
P10-S	A	-	1 1/4" (32 mm)	2 1/32" (52 mm)	3 5/16" (84 mm)	-	-	-
	B	-	-	-	-	-	-	-
	THREAD	-	2" NPT (51 mm)	2 1/2" NPT (64 mm)	3" NPT (76 mm)	-	-	-
* P12-S	A	-	-	-	-	3 3/4" (95 mm)	-	-
	B	-	-	-	-	1 3/8" (35 mm)	-	-
	THREAD	-	-	-	-	4" NPT (102 mm)	-	-
P20-S	A	-	-	3 5/32" (80 mm)	3 7/16" (87 mm)	4" (102 mm)	-	4" (102 mm)
	THREAD	-	-	2" NPT (51 mm) 2 1/2" VIC (64 mm)	2 1/2" NPT (64 mm) 3" VIC (76 mm)	3" NPT (76 mm)	-	4" NPT (102 mm)
	For Flow Meter							
◇ ### P30-SCV	A	-	5 5/8" (143 mm)	5 27/32" (148 mm)	6 1/4" (159 mm)	7 1/2" (191 mm)	-	-
	B	-	1 21/32" (42 mm)	3 7/8" (98 mm)	4 9/32" (109 mm)	4 15/16" (125 mm)	-	-
	THREAD	-	1 1/2" NPT (34 mm) 2" VIC (51 mm)	2" NPT (51 mm)	2 1/2" NPT (64 mm)	3" NPT (76 mm)	-	-
P40-SCV	Built-in Check Valve							
	A	-	-	-	-	6 1/16" (154 mm)	-	-
	THREAD	3" NPT x 4" Victaulic (76 x 102 mm)						
Built-in Check Valve								



Male Discharge Adapters

STYLE	SIZE								KEY
	1" (25 mm)	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)		
 M1-S	A	1 11/16" (42 mm)	1 3/16" (33 mm)	1 5/8" (41 mm)	2" (51 mm)	1 7/8" (48 mm)	1 7/8" (48 mm)	2 23/32" (67 mm)	*
	B	-	-	-	-	-	-	-	**
	C	-	-	-	-	-	-	-	***
 M2-S	A	-	-	1 15/16" (49 mm)	-	-	-	-	†
	B	-	-	-	-	-	-	-	††
	THREAD	-	-	2 1/2" NH (64 mm)	-	-	-	-	†††
 M3-S	A	-	-	-	3 3/16" (81 mm)	3 3/16" (84 mm)	5" (127 mm)	3 19/32" (91 mm)	+
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 13/16" (46 mm)	++
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 5/8" (67 mm)	+++
 M4-S	A	-	-	-	5" (127 mm)	5" (127 mm)	-	8 3/4" (222 mm)	◊
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 13/16" (46 mm)	◊◊
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-	2 15/32" (63 mm)	#
 M6-S	A	-	-	-	10" (254 mm)	-	-	-	##
	B	-	-	-	1 3/8" (35 mm)	-	-	-	###
	C	-	-	-	2 1/8" (54 mm)	-	-	-	
 M7-S	A	-	-	-	6 1/2" (165 mm)	-	-	-	
	B	-	-	-	1 3/8" (35 mm)	-	-	-	
	C	-	-	-	2 1/8" (54 mm)	-	-	-	
 M8-S	A	-	-	2 7/8" (73 mm)	-	-	-	-	
	C	-	-	1 17/64" (32 mm)	-	-	-	-	
	THREAD	-	-	1 1/2" NH (38 mm)	-	-	-	-	
 M10-S	A	-	-	3 7/32" (82 mm)	-	-	-	-	
	B	-	-	1 25/64" (35 mm)	-	-	-	-	
	THREAD	-	-	2 1/2" NH (64 mm)	-	-	-	-	
 ME1-S	A	-	-	-	6 5/8" (168 mm)	7" (178 mm)	7 1/16" (183 mm)	9 3/4" (248 mm)	
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 5/8" (41 mm)	
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 5/16" (59 mm)	
 ME2-S	A	-	-	-	-	-	5 1/8" (130 mm)	-	
	B	-	-	-	-	-	1 3/8" (35 mm)	-	
	C	-	-	-	-	-	2 1/8" (54 mm)	-	
 ME3-S	A	-	-	-	10 5/16" (278 mm)	10 3/8" (264 mm)	10 3/16" (259 mm)	-	
	B	-	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	-	
	C	-	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	-	
 ME4-S	A	-	-	-	12 3/16" (313 mm)	-	-	-	
	B	-	-	-	1 3/8" (35 mm)	-	-	-	
	C	-	-	-	2 1/8" (54 mm)	-	-	-	
 ME5-S 2 1/2" Thread	A	-	-	-	-	6 7/8" (175 mm)	-	-	
	B	-	-	-	-	1 3/8" (35 mm)	-	-	
	C	-	-	-	-	2 1/8" (54 mm)	-	-	
 MEST-S	A	-	3 7/32" (82 mm)	3 3/8" (86 mm)	5 3/16" (132 mm)	-	-	-	
	B	-	-	-	-	-	-	-	
	C	-	-	-	-	-	-	-	




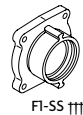
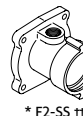
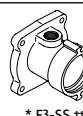


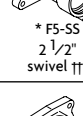






Valve Guide

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Female Intake Adapters Chrome Swivels (Hose Thread)

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

STYLE	SIZE						
	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)	
 FI-S	A	1 3/4" (44 mm)	-	2 15/16" (75 mm)	2 15/16" (75 mm)	2 5/8" (67 mm)	3 5/8" (92 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 *F2-S	A	-	-	3 1/2" (89 mm)	3 3/4" (95 mm)	-	5 1/2" (140 mm)
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 13/16" (46 mm)
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-	2 7/32" (64 mm)
 *F3-S	A	-	-	5 1/2" (140 mm)	5 1/2" (140 mm)	-	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	-	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	-	-
 FI-SS †††	A	1 3/4" (44 mm)	-	2 15/16" (75 mm)	2 15/16" (75 mm)	2 5/8" (67 mm)	3 5/8" (92 mm)
	B	-	-	-	-	-	-
	C	-	-	-	-	-	-
 *F2-SS †††	A	-	-	3 1/2" (89 mm)	3 3/4" (95 mm)	4 1/2" (114 mm)	5 1/2" (140 mm)
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 13/16" (46 mm)
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	2 7/32" (64 mm)
 *F3-SS †††	A	-	-	5 1/2" (140 mm)	5 1/2" (140 mm)	5 1/2" (140 mm)	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	-
 *F4-SS 2 1/2" swivel †††	A	-	-	-	3 13/16" (97 mm)	-	-
	B	-	-	-	1 3/8" (35 mm)	-	-
	C	-	-	-	2 1/8" (54 mm)	-	-
 *F5-SS 2 1/2" swivel †††	A	-	-	-	5 1/2" (140 mm)	-	-
	B	-	-	-	1 3/8" (35 mm)	-	-
	C	-	-	-	2 1/8" (54 mm)	-	-
 ***F6-SS 4" swivel †††	A	-	-	-	4" (102 mm)	-	-
	B	-	-	-	1 3/8" (35 mm)	-	-
	C	-	-	-	2 3/32" (53 mm)	-	-
 ***F12-SS †††	A	-	4 5/8" (117 mm)	-	-	-	-
	B	-	1 25/64" (35 mm)	-	-	-	-
	THREAD	-	2 1/2" NH (64 mm)	-	-	-	-
 **†FE2-SS †††	A	-	-	-	-	6 3/4" (171 mm)	-
	B	-	-	-	-	1 3/8" (35 mm)	-
	C	-	-	-	-	2 1/8" (54 mm)	-
 *†FE3-SS †††	A	-	-	7 1/8" (181 mm)	7 3/4" (197 mm)	7 7/8" (200 mm)	-
	B	-	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	-
	C	-	-	2 1/8" (54 mm)	2 1/8" (54 mm)	2 1/8" (54 mm)	-
 **††FE6-SS †††	A	-	-	10 3/4" (273 mm)	-	-	-
	B	-	-	1 3/8" (35 mm)	-	-	-
	C	-	-	2 1/4" (57 mm)	-	-	-



Flex Hose, Solder & Victaulic Adapters

STYLE	SIZE									
	1" (25 mm)	1 1/2" (38 mm)	2" (51 mm)	2 1/2" (64 mm)	3" (76 mm)	3 1/2" (89 mm)	4" (102 mm)			
FLEX	 PI-SH	A	-	-	-	1 7/8" (48 mm)	1 15/16" (49 mm)	-	2 5/16" (59 mm)	
		B	-	-	-	-	-	-	-	
		C	-	-	-	-	-	-	-	
	 P12-SH	A	-	-	-	-	1 15/16" (49 mm)	-	-	
		3" Adapter with 4" Flex Connection								
	 PA-SH	A	-	-	-	-	2 1/4" (57 mm)	-	-	
		Angle	-	-	-	-	4°	-	-	
	 PO-SH	A	-	-	-	-	2 1/4" (57 mm)	-	-	
		Angle	-	-	-	-	4°	-	-	
	SOLDER	 P3-S	A	1 1/8" (29 mm)	1 3/32" (26 mm)	1 1/4" (32 mm)	1 7/8" (48 mm)	1 7/8" (48 mm)	-	-
			B	-	-	-	-	-	-	-
			C	-	-	-	-	-	-	-
VICTAULIC	 VI-S	A	1 11/16" (43 mm)	1 3/4" (44 mm)	1 29/32" (48 mm)	1 29/32" (48 mm)	2 3/32" (53 mm)	2 5/32" (53 mm)	2 1/4" (57 mm)	
		B	-	-	-	-	-	-	-	
		C	-	-	-	-	-	-	-	
	 * V3-S	A	-	3 5/16" (84 mm)	3 1/4" (83 mm)	3 3/16" (81 mm)	3 5/16" (84 mm)	-	4" (102 mm)	
		B	-	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	1 3/8" (35 mm)	-	1 15/16" (49 mm)	
		C	-	-	-	-	-	-	-	
	 * V4-S	A	-	-	-	3 1/2" (89 mm)	-	-	-	
		B	-	-	-	1 3/8" (35 mm)	-	-	-	
		C	-	-	-	2 1/8" (54 mm)	-	-	-	
	2 1/2" (64 mm) with 3" (76 mm) Victaulic									
	 ♦♦ VTI-S	A	-	-	-	-	2 5/32" (52 mm)	-	2 11/32" (60 mm)	
		3" (76 mm) has 3" (76 mm) NPT + 4" (102 mm) Victaulic								
	4" (102 mm) has 4" (102 mm) NPT + 5" (127 mm) Victaulic									
	 * VT3-S	A	-	-	-	-	3 7/16" (87 mm)	-	-	
		B	-	-	-	-	1 3/8" (35 mm)	-	-	
		C	-	-	-	-	2 1/8" (54 mm)	-	-	
	3" (76 mm) NPT with 4" (102 mm) Victaulic									
	 †† VE1-S * 2" *** 1 1/2"	A	-	3 5/8" (92 mm)	3 3/4" (95 mm)	-	-	-	-	
		B	-	3" (76 mm)	3" (76 mm)	-	-	-	-	
		C	-	-	-	-	-	-	-	
	 *†† VE2-S	A	-	-	5 3/4" (146 mm)	-	-	-	-	
		B	-	-	2 31/32" (75 mm)	-	-	-	-	
		C	-	-	-	-	-	-	-	
	 V20-SF For Flow Meter	A	-	-	3 3/16" (81 mm)	3 3/16" (81 mm)	4 1/4" (108 mm)	-	-	
B		-	-	1 1/4" (32 mm)	1 1/4" (32 mm)	1 5/8" (41 mm)	-	-		
THREAD	-	-	2" VIC (51 mm)	2" VIC (51 mm)	3" VIC (76 mm)	-	-	-		
 ♦♦♦ V30-SCV	A	-	-	5 27/32" (148 mm)	6 1/4" (159 mm)	7 1/2" (191 mm)	-	-		
	B	-	-	3 7/8" (98 mm)	4 9/32" (109 mm)	4 15/16" (125 mm)	-	-		
Built-in Check Valve										
 †† VESI-S	A	-	-	3 3/8" (86 mm)	5 3/16" (132 mm)	-	-	-		
	B	-	-	-	-	-	-	-		
	C	-	-	-	-	-	-	-		

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap



















Valve Guide

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



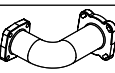

Pump Flange Adapters (Hale Pump Use)

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

STYLE	SIZE					
	2 1/2" (64 mm)	3" / 3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLES	BOLT CIR. DIA.
 B1-SE	A	-	2 7/8" (73 mm)	-	8	5 3/4" (146 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 + B2-SE	A	-	2 7/8" (73 mm)	26°	8	5 3/4" (146 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 B3-SE	A	-	3 1/8" (79 mm)	4"	3'30'	5 3/4" (146 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 B6-SE	A	-	6 7/8" (175 mm)	-	4°	5 3/4" (146 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 B8-SH (Octagonal Flange)	A	-	-	4"	-	5 3/4" (146 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 B20-SFH	A	-	-	5 27/64" (138 mm)	-	5 3/4" (146 mm)
	B	-	-	2 43/64" (68 mm)	-	-
	For Flow Meter					
 HDE1-S	A	-	4 9/16" (116 mm)	9 1/2" (241 mm)	90°	5 3/4" (146 mm)
	B	-	4 5/16" (110 mm)	5" (127 mm)	-	-
	C	-	-	-	-	-
 HDE2-S	A	-	4 9/16" (116 mm)	-	90°	5 3/4" (146 mm)
	B	-	4 5/16" (110 mm)	-	-	-
	Pump flange bolt holes on crosshairs					
 HDE94-S	A	-	-	9 1/2" (241 mm)	94°	5 3/4" (146 mm)
	B	-	-	5" (127 mm)	-	-
	C	-	-	-	-	-
 ++ HD1-S	A	6 1/4" (159 mm)	5 3/4" (146 mm)	-	-	4 3/8" (111 mm)
	B	-	-	-	-	-
	Angle	5°20'	7°	-	-	-
 ++ HD2-S	A	8 1/4" (210 mm)	7 3/4" (197 mm)	-	-	4 3/8" (111 mm)
	B	-	-	-	-	-
	Angle	3°45'	4°	-	-	-
 ++ HD3-S	A	6 5/8" (168 mm)	-	-	5°20'	4 3/8" (111 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 HD4-S	A	5 1/4" (133 mm)	-	-	14°5'	4 3/8" (111 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 ++ HD5-S	A	10 1/4" (260 mm)	-	-	4°	4 3/8" (111 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 ++ HD6-S	A	7 1/4" (184 mm)	-	-	14°50'	4 3/8" (111 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 ++ HD7-S A	A	7 1/4" (184 mm)	-	-	5°20'	4 3/8" (111 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-













Pump Flange Adapters (Hale Pump Use) ...Continued

STYLE	SIZE						
		2 1/2" (64 mm)	3"/3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLES	BOLT CIR. DIA.
 ++ HD21-SF UP or DN For Flow Meter	A	6 1/4" (159 mm)	-	-	5°20'	4	4 3/8" (111 mm)
	B	3 1/8" (79 mm)	-	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE1-S	A	3 1/4" (83 mm)	2 3/4" (70 mm)	-	90°	4	4 3/8" (111 mm)
	B	5 1/4" (133 mm)	6" (152 mm)	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE2-S	A	5 1/4" (133 mm)	4 3/4" (121 mm)	-	90°	4	4 3/8" (111 mm)
	B	5 1/4" (133 mm)	6" (152 mm)	-	-	-	-
	C	-	-	-	-	-	-
 ++ SE3-S	A	2 1/2" (64 mm)	-	-	90°	4	4 3/8" (111 mm)
	B	7 3/4" (197 mm)	-	-	-	-	-
	C	-	-	-	-	-	-
 SE4-S	A	8.5" (216 mm)	-	-	-	4	4 3/8" (111 mm)
	B	6" (152 mm)	-	-	-	-	-
	C	-	-	-	-	-	-
 DE3-S	A	-	4 15/16" (125 mm)	4 15/16" (125 mm)	94°	8	5 3/4" (146 mm)
	B	-	5 3/16" (132 mm)	5" (127 mm)	-	-	-
	C	-	-	-	-	-	-

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

Pump Flange Adapters (Waterous Pump Use)

STYLE	SIZE							
		2" (51 mm)	2 1/2" (64 mm)	3"/3 1/2" (76/89 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.
 B1-S	A	2 5/8" (67 mm)	2 5/8" (67 mm)	2 7/8" (73 mm)	-	-	4 (8 on 2")	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B1-SX	A	-	2 5/8" (67 mm)	-	-	-	4 slots	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B3-S Both Flanges 4 1/2" BCD	A	-	2 5/8" (67 mm)	-	-	-	8	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
Not for valve attachment								
 +++ B4-S	A	-	2 5/8" (67 mm)	2 7/8" (73 mm)	-	-	8	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B5-S	A	-	4 5/8" (117 mm)	-	-	-	4 slots & 4 holes	4 3/8" (111 mm)
	A	-	-	4 1/2" (114 mm)	-	-	4 slots	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
 +++ B6-S	A	-	6" (152 mm)	-	-	-	8	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B7-S	A	-	5.5" (140 mm)	-	-	-	4 slots & 4 holes	4 3/8" (111 mm)
 B1-SH	A	-	5/8"-1 1/8" (16-29 mm)	1 1/16"-1 3/16" (17-30 mm)	-	4°	8	6 5/8" (168 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B1-SH (4")	A	-	-	-	2" Total (51 mm)	4°	8	6 5/8" (168 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B2-SH	A	-	1 1/16" (17 mm)	-	-	-	4	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-















Valve Guide

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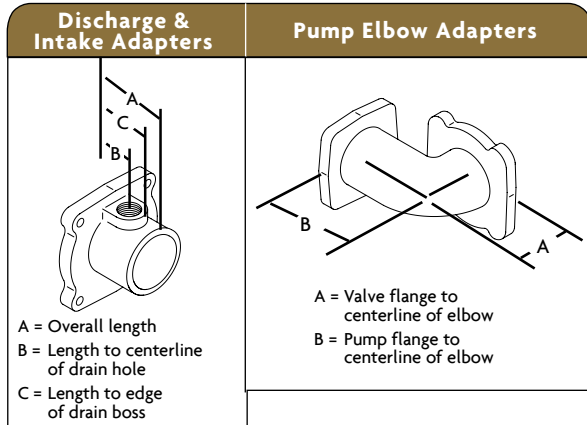
Pump Flange Adapters (Waterous Pump Use) ...Continued

KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

STYLE	SIZE							
	2" (51 mm)	2 1/2" (64 mm)	3" / 3 1/2" (76 / 89 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.	
 B3-SH	A	-	-	1 3/16" - 1 11/32" (21-34 mm)	-	4°	4	7 25/32" (198 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B3-SH (4")	A	-	-	-	2" Total (51 mm)	4°	4	7 25/32" (198 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B1-SW Clamps	A	-	1 27/32" (47 mm)	1 27/32" (47 mm)	-	-	4	4 3/8" (111 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 + B2-SW	A	-	-	2 7/8" (73 mm)	-	26°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B3-SW	A	-	-	3 1/8" (79 mm)	-	4°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B4-SW	A	-	-	5" (127 mm)	-	4°	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 B8-SW	A	-	-	-	4" (102 mm)	-	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
	C	-	-	-	-	-	-	-
 +++ B1-SEW	A	-	-	2 7/8" (73 mm)	-	-	8	5 1/2" (140 mm)
	B	-	-	-	-	-	-	-
 B10-SF	A	-	3 1/2" (89 mm)	3 9/32" (83 mm)	-	-	4	4 3/8" (111 mm)
	B	-	1 51/64" (46 mm)	1 3/8" (35 mm)	-	-	-	-
	For Flow Meter							
 B20-SFW	A	-	-	-	5 27/64" (138 mm)	-	8	5 1/2" (140 mm)
	B	-	-	-	2 43/64" (68 mm)	-	-	-
	For Flow Meter							
 WDE1-S	A	-	-	4 9/16" (112 mm)	9 1/2" (241 mm)	90°	8	5 1/2" (140 mm)
	B	-	-	4 5/16" (110 mm)	5" (127 mm)	-	-	-
	C	-	-	-	-	-	-	-
 WDE94-S	A	-	-	-	9 1/2" (241 mm)	94°	8	5 1/2" (140 mm)
	B	-	-	-	5" (127 mm)	-	-	-
	C	-	-	-	-	-	-	-



Valve Dimension Key



KEY	
*	1/4" and 3/4" NPT taps
**	(2) 3/4" NPT taps
***	3/4" NPT tap
†	30° Angle
††	90° Angle
†††	Includes Strainer
+	Eccentric flange face
++	Slotted valve flange
+++	8 holes flange - Use 4
◇	(3) 3/4" NPT Taps
◇◇	Available in Cast or Chrome
#	For spacing only. 4 3/8" BCD each end.
##	For use when replacing a 7840 with an 8840. Each adapter is 1" thick.
###	(2) 3/4" NPT Taps and (1) 1" NPT Tap

Pump Flange Adapters Darley Pump Use

STYLE	SIZE					
	2 1/2" (64 mm)	3"/3 1/2" (76/89 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.	
 B2-S	A	2 5/8" (67 mm)	2 7/8" (73 mm)	-	4	4 19/32" (117 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 DD1-S	A	6 1/4" (159 mm)	5 3/4" (146 mm)	6°	4	4 19/32" (117 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-

Pump Flange Adapters General Use

STYLE	SIZE					
	2" (51 mm)	4" (102 mm)	ANGLE	BOLT HOLE	BOLT CIR. DIA.	
 ## B10-SP	A	-	2" (50 mm)	-	4	7 1/16" (179 mm)
	B	-	-	-	-	-
	C	-	-	-	-	-
 +++ DE1-S	A	3 3/4" (95 mm)	9 1/2" (241 mm)	90°	8	4 3/8" (111 mm)
	B	4 13/16" (122 mm)	5" (127 mm)	-	-	-
	C	-	-	-	-	-
 +++ DE2-S	A	3 3/4" (95 mm)	-	90°	8	4 3/8" (111 mm)
	B	5 1/2" (140 mm)	-	-	-	-
	C	-	-	-	-	-



Technical Data: Service Kits

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

PRODUCT REPAIR

Akron® maintains a full time repair staff capable of repairing Akron products. Products returned for repair do not need prior authorization. Plainly mark the outside carton "Customer Repair". Provide written instructions inside the carton with a complete description of service required. Estimates will be provided upon request. Products for repair should be shipped to the following locations**:

United States:

Akron Brass Company
Customer Repair
1615 Old Mansfield Rd.
Wooster, Ohio 44691

Akron Brass Washington**
501 N. Cummings Lane
Washington, IL 61571-9652

Outside U.S.:

Contact Akron Customer Service
at 330.264.5678



** Extenda-Lite products, generators, electrical supply, junction boxes, reels and hand tools should be sent to the Akron Brass Washington Location. If you have any questions on where you should send your repairs, call Customer Service at: (800) 228-1161 or (330) 264-5678

STYLE	DESCRIPTION	SERVICE KIT
753	Trigger Shutoff	9161
810	Ball Valve	9124
815	Ball Valve	9125
820	Ball Valve	9126
825	Ball Valve	9127
828	Ball Valve	9128
830	Ball Valve	9129
911	Ozzie™	9191
922	OzzieMaster™	9292
1115	Brass Shutoff	9151
1125	Brass Shutoff	9152
1128	Brass Shutoff	9152
1390	Playpipe	9152
1480	Wye	(2) 9125
1481	Wye	(2) 9125
1482	Wye	(2) 9127
1483	Siamese	(2) 9127
1512	SaberJet™	9183
1513	SaberJet	9183
1515	SaberJet	9183
1520	SaberJet	9183
1522	SaberJet	9182
1523	SaberJet	9182
1525	SaberJet	9182
1526	SaberJet	9182
1527	SaberJet	9182
1528	SaberJet	9182
1532	SaberJet	9184
1533	SaberJet	9184
1535	SaberJet	9184
1536	SaberJet	9184
1573	Water Thief	(2) 9125, (1) 9128
1581	Wye	(2) 9125
1582	Wye	(2) 9128
1583	Siamese	(2) 9128
1615	Avenger™	9111
1616	Avenger	9111
1701	Turbojet® (Pre-2000)	*
1701	Turbojet (2000-Current)	9180
1702	Turbojet (Pre-2000)	*
1702	Turbojet (2000-Current)	9180
1704	Turbojet	9180
1708	Turbojet	9106
1710	Turbojet	9106
1715	Turbojet	9108
1720	Turbojet	9108
1722	Turbojet	9110
1723	Turbojet	9110
1725	Turbojet	9110
1729	Turbojet	9110
1741	Industrial Turbojet	9108
1762	Turbojet	9179
1763	Turbojet	9179
1828	Hydrant Valve	9128
2032	Coast Guard Nozzle	9163
2046	Coast Guard Nozzle	9164
2069	Navy Nozzle	9163
2074	Navy Nozzle	9164
2079	Military Nozzle	9163
2084	Military Nozzle	9164
2101	Pyrolite® Shutoff	9115
2110	Pyrolite Shutoff	9150
2111	Pyrolite Shutoff	9150
2115	Pyrolite Shutoff	9151
2116	Pyrolite Shutoff	9151
2125	Pyrolite Shutoff	9152
2126	Pyrolite Shutoff	9152
2127	Pyrolite Shutoff	9152
2129	Pyrolite Shutoff	9152
2130	Pyrolite Shutoff Pre 2005	9158
2130	Pyrolite Shutoff	9159
2390	Playpipe	9152
2430	Saber Shutoff	9152
2431	Saber Shutoff	9152
2432	Saber Shutoff	9152
2433	Saber Shutoff	9152
2580	Wye	9153
2581	Wye	9153
2582	Wye	(3) 9128
2583	Siamese	(3) 9128
2681	Wye	9153
3015	Brass Fog Nozzle	9155

* 1/2" waterway ball uses 9106 kit
1" waterway ball uses 9115 kit

STYLE	DESCRIPTION	SERVICE KIT
3016	Brass Fog Nozzle	9155
3019	Brass Fog Nozzle	9155
3021	Brass Fog Nozzle	9155
3025	Brass Fog Nozzle	9110
3416, 3426, 3431	Apollo Spikes	9190
3425	Aries™ Monitor	9525
3427	3" Apollo w/Gas Spring	9527
3436	4" Apollo Monitor	9437
3437	4" Omega Monitor	9437
3443	Valve (Original inlet)	9128
3443	Valve (Updated inlet)	9130
3443	Spikes	9443
3446	Valve	9131
3446	Spikes	9443
3460	Turret	9170
3461	Turret	9171
3465	Turret (95-300 gpm)	9195
3466	Turret (95-300 gpm)	9196
3467	Turret Waterway	9197
3467	Turret 3" Valve (with out ball)	9198
3467	Turret Valve (with ball)	9194
3467	Turret-panel (cover only)	9199
3352	Tuckaway Bumper Turret w/o Overrides	9192
3353	Tuckaway Bumper Turret w/o Overrides	9192
3524	Omega Severe-Duty	9524
3526	Omega™	9526
3527	3" Omega w/Gas Spring	9527
3528	Omega XP	9528
3530	Elevated Monitor	9530
3715	Industrial Turbojet	9108
3716	Industrial Turbojet	9515
3718	Industrial Turbojet	9515
3719	Industrial Turbojet	9515
3720	Industrial Turbojet	9108
3721	Industrial Turbojet	9515
3725	Industrial Turbojet	9110
4115	Avenger™	9111
4116	Avenger™	9111
4507	Marauder™	9151
4508	Marauder	9151
4510	Marauder	9150
4511	Marauder	9150
4512	Marauder	9151
4513	Marauder	9151
4515	Marauder	9151
4516	Marauder	9151
4525	Marauder	9152
4526	Marauder	9152
4529	Marauder	9152
4530	Marauder	9152
4612	Marauder	9108
4613	Marauder	9108
4615	Marauder	9108
4616	Marauder	9108
4625	Marauder	9110
4626	Marauder	9110
4629	Marauder	9110
4630	Marauder	9110
4712	Assault™	9178
4713	Assault	9178
4715	Assault	9178
4720	Assault	9178
4801	Assault	9180
4802	Assault	9180
4812	Assault	9178
4813	Assault	9178
4815	Assault (Pre 2005)	9178
4815	Assault (2005 - Current)	9179
4820	Assault (Pre 2005)	9178
4820	Assault (2005 - Current)	9179
4822	Assault	9179
4823	Assault	9179
4825	Assault	9179
4826	Assault	9179
4862	Assault	9179
4863	Assault	9179
5015	Mid-Range Akromatic®	9152

STYLE	DESCRIPTION	SERVICE KIT
5016	Mid-Range Akromatic	9152
5020	Mid-Range Akromatic	9152
5021	Mid-Range Akromatic	9152
5115	Mid-Range Akromatic	9160
5116	Mid-Range Akromatic	9160
5120	Mid-Range Akromatic	9160
5121	Mid-Range Akromatic	9160
5125	Akromatic II	9152
5126	Akromatic II	9152
5127	Akromatic II	9152
5128	Akromatic II	9152
5135	Akromatic II	9152
5136	Akromatic II	9152
5137	Akromatic II	9152
5138	Akromatic II	9152
5225	Akromatic II	9110
5226	Akromatic II	9110
5227	Akromatic II	9110
5228	Akromatic II	9110
5235	Akromatic II	9110
5236	Akromatic II	9110
5237	Akromatic II	9110
5238	Akromatic II	9110
7610	Swing-Out Valve	8903
7615	Swing-Out Valve	8904
7620	Swing-Out Valve	8905
7620	Metal Ball Conversion	9145
7625	Swing-Out Valve	8906
7625	Metal Ball Conversion	9146
7630	Swing-Out Valve	8907
7630	Metal Ball Conversion	9147
7635	Swing-Out Valve	8907
7635	Metal Ball Conversion	9147
7810	Swing-Out Valve	8903
7810	Metal Ball Conv	8803
7815	Swing-Out Valve	8904
7815	Metal Ball Conv	8804
7820	Swing-Out Valve	8905
7820	Metal Ball Conversion	9145
7825	Swing-Out Valve	8906
7825	Metal Ball Conversion	9146
7830	Swing-Out Valve	8907
7830	Metal Ball Conversion	9147
7835	Swing-Out Valve	8907
7835	Metal Ball Conversion	9147
7840	Swing-Out Valve	8908
7980	Black Max™	9168
8620	Heavy Duty Swing-Out Valve	9145/9204*
8625	Heavy Duty Swing-Out Valve	9146/9205*
8630	Heavy Duty Swing-Out Valve	9147/9206*
8635	Heavy Duty Swing-Out Valve	9147/9206*
8810	Heavy Duty Swing-Out Valve	9208*
8815	Heavy Duty Swing-Out Valve	8804/9209*
8820	Heavy Duty Swing-Out Valve	9204*
8825	Heavy Duty Swing-Out Valve	9205*
8830	Heavy Duty Swing-Out Valve	9206*
8835	Heavy Duty Swing-Out Valve	9206*
8840	Swing-Out Valve	9166
8910	Heavy Duty Swing-Out Valve	8903/9208*
8915	Heavy Duty Swing-Out Valve	8904/9209*
8920	Heavy Duty Swing-Out Valve	8905/9204*
8925	Heavy Duty Swing-Out Valve	8906/9205*
8930	Heavy Duty Swing-Out Valve	8907/9206*
8935	Heavy Duty Swing-Out Valve	8907/9206*
8940	Heavy Duty Swing-Out Valve	8908

* Includes Seats & O-Rings Only

Technical Data: Compatibility Chart



Municipal Electric Monitors

Monitor	Nozzle	3293 FireFox	3293 FireFox	3293 FireFox	3292 UHP	5075 Akromatic 1250	5176 Excel 1000	5177 Akromatic 1000	5178 Akromatic 2000	4040 Akrochem	4042 Akrochem	1577 SaberMaster	5088 Renegade (automatic)	2188 Renegade (fixed)	2189 Renegade (adjustable)
1494 Ladder Pipe				✓		✓	✓	✓				✓			
3356 Trident						✓	✓	✓	✓	✓	✓	✓			
3418 Apollo Electric				✓		✓	✓	✓		✓		✓			
3419 Apollo PE				✓		✓	✓	✓				✓			
3440 DeckMaster				✓		✓	✓	✓		✓		✓			
3450 UHP					✓										
3462 Forestry	✓		✓												
3463 FireFox	✓		✓	✓											
3479 Gemini				✓		✓	✓	✓		✓		✓			
3480 StreamMaster II						✓	✓	✓		✓		✓			
3482 StreamMaster II				✓		✓	✓	✓		✓		✓			
3491 Severe Duty				✓											
3578 StreamMaster						✓	✓	✓	✓	✓	✓	✓			
3580 Renegade													✓	✓	✓
3598 StreamMaster XT						✓	✓	✓	✓	✓	✓	✓			

Municipal Manual Monitors

Monitor	Nozzle	0487 Tip	0489 Straight Tip	2498 Stack Tip	2499 Stack Tip	3499 Stack Tip	5147 Excel 1000	4445 Mercury	4447 Mercury	1545 SaberMaster	4452 Aquastream	5150 Mercury	1745 Turbomaster	2152 Black Widow	1757 Turbomaster	4475 Akrofoam	1755 Turbomaster	5160 Akromatic	4039 Akrochem	4041 Akrochem	5170 Akromatic	
1495 Ladder Pipe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
1496 Ladder Pipe	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
3414 Apollo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3416 Apollo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3421 Apollo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3423 Apollo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3425 Aries	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3426 Apollo	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3428 Rover Cart	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3430 GP Manual	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3431 Apollo Hi-Riser	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3433 Apollo Hi Riser	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3436 Apollo					✓																✓	✓
3470 Gemini	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3481 StreamMaster II					✓																✓	✓
3483 StreamMaster II	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
3570 StreamMaster					✓																✓	✓

Yellow indicates that the selected monitor cannot use the entire flow range of this nozzle





Technical Data: Compatibility Chart

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Industrial Hydraulic & Electric Monitors

Monitor \ Nozzle	0489 Straight Tip	4462 Rampage	4471 Akrofoam	5055 Akromatic	2155 Black Widow	2156 Black Widow	5056 Akromatic	4472 Akrofoam (hydraulic)
3475 Gemini Pyrolite HYD				✓	✓			
3476 Gemini Brass HYD						✓	✓	✓
3491 Severe Duty ELECT	✓	✓	✓					
3492 Severe Duty HYD						✓	✓	✓
3572 StreamMaster ELECT	✓	✓	✓					

Industrial Manual Monitors

Monitor \ Nozzle	0489 Straight Tip	4450 Aquastream	3747 Excel 1000	4460 Rampage	4461 Rampage	5161 Akromatic	2151 Black Widow	4470 Akrofoam	2171 SG Masterstream	5071 Akromatic	4476 Akrofoam (manual)
3437 Omega 2000									✓	✓	
3471 Gemini	✓	✓	✓	✓	✓	✓	✓	✓			
3522 Omega XPV-SPL	✓	✓	✓	✓	✓	✓	✓	✓			
3523 Omega XPV	✓	✓	✓	✓	✓	✓	✓	✓			
3524 Omega SD	✓	✓	✓	✓	✓	✓	✓	✓			
3525 Aries	✓	✓	✓	✓	✓	✓	✓	✓			
3526 Omega 1250	✓	✓	✓	✓	✓	✓	✓	✓			
3528 Omega XP	✓	✓	✓	✓	✓	✓	✓	✓			
3571 StreamMaster									✓	✓	
3671 Conquest									✓	✓	
3690 Storm									✓	✓	
3771 Conquest SST											✓

■ Yellow Indicates that a thread adapter is needed for this combination

Portable Monitors

Monitor \ Nozzle	1744/1727 Turbojet	4824/4827 Assault	0489 Straight Tip	2420 Stack Tips	2498 Stack Tips	4445 Mercury	4447 Mercury	1545 Mercury	1745 Turbomaster	1757 Turbomaster	1755 Turbomaster	5150 Mercury	5160 Akromatic	5148 Mercury
0911 Ozzie	✓	✓												
0922 Ozzie Master			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3443 Mercury			✓	✓		✓	✓	✓						
3446 Mercury Master			✓		✓	✓	✓	✓				✓		



For Additional Technical Information go to www.akronbrass.com

Technical Data: Compatibility Chart



Monitor Accessories

Accessory	60410018 Auxiliary Function (use w/ 60350009)	60410022 OEM Interface Module	60411000 3 Switch Plus Mini Joystick	60411003 2 Switch Plus Mini Joystick Stow/ Deploy	60411005 2 Switch Plus Mini Joystick Water On/ Off	60412002 Tether w/Panel Interface	60370008 Wireless Receiver 2.4Ghz	60370009 Wireless Receiver 900Mhz	60370010 Wireless Receiver 2.4Ghz	36000004 SIT Module 2.4Ghz	36000002 Handheld Remote 2.4Ghz	36001003 SIT Module 900Mhz	36001004 Handheld Remote 900Mhz
1494 Ladder Pipe		✓				✓	✓	✓	✓	✓	✓	✓	✓
3356 Trident		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3418 Apollo Electric		✓				✓	✓	✓	✓	✓	✓	✓	✓
3419 Apollo PE		✓				✓	✓	✓	✓	✓	✓	✓	✓
3440 DeckMaster		✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
3450 UHP		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
3462 Forestry		✓				✓			✓	✓	✓		
3463 FireFox	✓	✓	✓	✓	✓				✓	✓	✓		
3479 Gemini		✓				✓	✓	✓	✓	✓	✓	✓	✓
3480 StreamMaster II		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3482 StreamMaster II		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3491 Severe Duty		✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
3578 StreamMaster		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3580 Renegade		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
3598 StreamMaster XT		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Monitor Controls

Control	60410018 Auxiliary Function (use w/ 60350009)	60410022 OEM Interface Module	60411000 3 Switch Plus Mini Joystick	60411003 2 Switch Plus Mini Joystick	60411005 2 Switch Plus Mini Joystick	60412002 Tether w/Panel Interface	60370008 Wireless Receiver 2.4Ghz	60370009 Wireless Receiver 900Mhz	60370010 Wireless Receiver 2.4Ghz	36000004 SIT Module 2.4Ghz	36000002 Handheld Remote 2.4Ghz	36001003 SIT Module 900Mhz	36001004 Handheld Remote 900Mhz
Left / Right		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Raise / Lower		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fog / Stream		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Stow / Deploy	✓	✓	✓	✓		✓	✓	✓	✓	✓	Deploy Only w/60370008	✓	Deploy Only w/60370009
Oscillation	✓	✓	✓			✓					3418/3419 Only		3418/3419 Only
High / Low Flow													
Water On/Off	✓	✓			✓	✓			✓		With 60370010		
CAFS Wet/Dry	✓												



For Additional Technical Information go to www.akronbrass.com



Technical Data: Flow & Reach Data

AKRON BRASS COMPANY | PH. 800.228.1161 (330.264.5678) | FAX 800.531.7335 (330.264.2944) | www.akronbrass.com

Turbojet™ Nozzles Rated At 100 Psi										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
	PSI	BAR	GPM	LPM	GPM	LPM	Effective		Overall	
							FEET	METERS	FEET	METERS
1701, 1702 1703	75	5	13	50	11	42	50	15	60	18
			25	95	22	83	60	18	70	21
			40	150	35	132	77	23	87	26
			60	230	52	197	100	30	110	34
	100	7	13	50	13	50	57	17	67	20
			25	95	25	95	64	20	74	23
			40	150	40	150	90	27	100	30
			60	230	60	230	110	34	120	37
	125	8.5	13	50	15	57	57	17	67	20
			25	95	28	106	67	20	77	23
			40	150	45	170	97	30	107	33
			60	230	67	254	120	37	130	40
1714, 1715 1717, 1720	75	5	30	115	26	98	80	24	90	27
			60	230	52	197	107	33	117	36
			95	360	82	310	127	39	137	42
			125	475	108	409	130	40	146	45
	100	7	30	115	30	115	85	26	95	29
			60	230	60	230	115	35	125	38
			95	360	95	360	135	41	145	44
			125	475	125	475	140	43	150	46
	125	8.5	30	115	34	129	97	30	107	33
			60	230	67	254	120	37	130	40
			95	360	106	401	145	44	155	47
			125	475	140	530	150	46	160	49
1722, 1723 1724, 1737 (95-200 gpm) 1762, 1763 1766, 1767 (3-200 gpm) 1725, 1727 1729, 1733 1744 (125-250 gpm)	75	5	30	115	26	98	75	23	85	26
			95	360	82	310	117	36	127	39
			125	475	108	409	127	39	137	42
			150	550	130	492	145	44	155	47
	100	7	200	750	173	654	160	49	170	52
			250	950	217	821	165	50	175	53
			30	115	30	115	87	26	97	30
			95	360	95	360	140	43	150	46
	125	8.5	125	475	125	475	155	47	165	50
			150	550	150	550	160	49	170	52
			200	750	200	750	170	52	180	55
			250	950	250	950	175	53	185	56
125	8.5	30	115	34	129	97	30	107	33	
		95	360	106	401	145	44	155	47	
		125	475	140	530	100	49	170	52	
		150	550	168	636	175	53	185	56	
125	8.5	200	750	224	848	180	55	190	58	
		250	950	280	1060	195	59	205	62	

*Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

Straight Stream at 3% AFFF			
Style	Flow Rate gpm (lpm)	Effective Reach ft (m)	Overall Reach ft (m)
4039, 4040	250 (950)	155 (47)	165 (50)
	500 (1900)	168 (51)	178 (54)
	750 (2900)	205 (62)	215 (65)
	1000 (3800)	222 (68)	232 (71)
	1250 (4800)	232 (71)	242 (74)

4478 Akrofoam™ 2000 GPM Nozzle

Elevation	Straight Stream Water only			Straight Stream 3% AFFF		Straight Stream 3% AR AFFF	
	Flow Rate gpm (lpm)	Effective Reach ft (m)	Overall Reach ft (m)	Effective Reach ft (m)	Overall Reach ft (m)	Effective Reach ft (m)	Overall Reach ft (m)
32°	750 (2900)	200 (61)	210 (64)	170 (52)	180 (55)	185 (56)	195 (59)
	1000 (3800)	235 (72)	245 (75)	210 (64)	220 (67)	210 (64)	220 (67)
	1500 (5700)	290 (88)	300 (91)	250 (76)	260 (79)	260 (79)	270 (82)
	2000 (7600)	315 (96)	320 (98)	260 (79)	270 (82)	280 (85)	290 (88)

Technical Data: Flow & Reach Data



Assault™ Nozzles Rated At 100 Psi												
Style	100 PSI Flow Setting	Actual Flow				Straight Stream Reach*						
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		Effective			Overall			
						75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4801, 4802 4804	13 50	11 42	13 49	15 57	gpm lpm	57 77	67 20	74 23	67 20	77 23	84 26	feet meters
	25 95	22 83	25 95	28 106	gpm lpm	70 21	77 23	87 27	80 24	87 27	97 30	feet meters
	40 150	35 132	40 150	45 170	gpm lpm	77 23	85 26	97 30	87 27	95 29	107 33	feet meters
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863 4866, 4867	95 360	82 310	95 360	106 401	gpm lpm	87 30	117 36	127 39	107 33	127 39	137 42	feet meters
	125 475	108 409	125 475	140 530	gpm lpm	117 36	127 39	130 40	127 39	137 42	140 44	feet meters
	150 550	130 492	150 550	168 636	gpm lpm	137 42	142 43	155 47	147 45	152 46	165 50	feet meters
	175 660	152 575	175 660	196 742	gpm lpm	145 44	153 47	165 50	155 47	163 50	175 53	feet meters
	200 750	173 655	200 750	224 848	gpm lpm	130 40	145 44	164 50	140 44	155 47	174 53	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	200 750	173 655	200 750	224 848	gpm lpm	160 49	190 58	195 59	170 52	200 61	205 62	feet meters
	250 950	217 821	250 950	280 1060	gpm lpm	185 56	195 59	215 65	195 59	205 62	225 68	feet meters
	300 1140	260 984	300 1140	335 1268	gpm lpm	185 56	215 65	225 68	195 59	225 68	235 72	feet meters
	350 1325	303 1147	350 1325	391 1480	gpm lpm	185 56	210 64	225 68	195 59	220 67	235 72	feet meters

Assault Nozzles Rated At 75 Psi												
Style	75 PSI Flow Setting	Actual Flow				Effective			Overall			
		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR		75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	75 PSI 5 BAR	100 PSI 7 BAR	125 PSI 8.5 BAR	
4714, 4715 4717, 4720 4814, 4815 4817, 4820 4862, 4863 4866, 4867	95 360	95 360	110 416	123 466	gpm lpm	107 33	125 38	127 39	117 39	135 41	137 42	feet meters
	125 475	125 475	144 545	161 609	gpm lpm	127 39	130 40	135 41	137 42	140 43	145 44	feet meters
	150 550	150 550	173 655	194 734	gpm lpm	127 39	140 43	145 44	137 42	150 46	155 47	feet meters
	175 660	175 660	202 765	226 855	gpm lpm	127 39	146 45	150 46	137 42	156 48	160 49	feet meters
4822, 4823 4824, 4825 4826, 4827 4837	200 750	200 750	231 874	258 977	gpm lpm	162 48	170 52	172 52	186 57	194 59	196 58	feet meters
	250 950	250 950	289 1094	323 1223	gpm lpm	165 50	176 54	178 54	188 57	196 60	198 60	feet meters
	300 1140	300 1140	346 1310	387 1465	gpm lpm	171 52	179 55	181 55	190 58	198 60	200 61	feet meters

Solid Bore Tips									
Style	Size	Nozzle Pressure		Actual Flow		Straight Stream Reach*			
		PSI	BAR	GPM	LPM	Effective		Overall	
						FEET	METERS	FEET	METERS
1430	1/2"	50	3.5	53	201	97	30	110	34
		80	5.5	66	250	121	37	140	43
439	1/2"	50	3.5	53	201	94	29	102	31
		80	5.5	66	250	106	32	123	37
439	15/16"	50	3.5	182	689	142	43	152	46
		80	5.5	230	871	175	53	185	56

*Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.



Technical Data: Flow & Reach Data

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SaberJet™ Fog Flow				
Style	Inlet Pressure		Flow	
	(PSI)	(BAR)	(GPM)	(LPM)
1512 1513	50	3.5	42	160
	75	5	52	197
	100	7	60	227
1515 1520	50	3.5	67	254
	75	5	82	310
	100	7	95	360
1522, 1523 1525, 1526 1532, 1533 1535, 1536	50	3.5	95	360
	75	5	118	447
	100	7	135	511

SaberJet Combination Flows					
Style	Tip Size	Inlet Pressure		Flow	
		(PSI)	(BAR)	(GPM)	(LPM)
1512 1513	3/8"	50	3.5	66	250
		75	5	78	295
	1/2"	50	3.5	88	333
		75	5	107	405
	5/8"	50	3.5	108	409
		75	5	136	515
1515 1520	3/8"	50	3.5	94	356
		75	5	118	447
	1/2"	50	3.5	110	416
		75	5	140	530
	5/8"	50	3.5	136	515
		75	5	170	643
1522 1523 1525 1526	3/4"	50	3.5	199	753
		75	5	247	935
	7/8"	50	3.5	232	878
		75	5	289	1094
	15/16"	50	3.5	250	946
		75	5	313	1185
1"	50	3.5	270	1022	
	75	5	334	1264	

SaberJet Solid Bore Flow								
Tip Size	Inlet Pressure		Solid Bore Flow		Solid Bore Reach*			
					Effective		Overall	
	(PSI)	(BAR)	(GPM)	(LPM)	FEET	METERS	FEET	METERS
3/8"	50	3.5	30	114	57	17	67	20
	75	5	36	137	67	20	77	23
1/2"	50	3.5	53	201	67	20	77	23
	75	5	64	243	87	27	97	30
5/8"	50	3.5	82	312	87	27	97	30
	75	5	101	384	107	33	117	36
3/4"	50	3.5	118	448	108	35	122	37
	75	5	145	551	117	36	135	41
7/8"	50	3.5	161	612	135	41	144	44
	75	5	197	749	156	47	165	50
15/16"	50	3.5	185	703	139	42	146	44
	75	5	226	859	161	49	170	52
1"	50	3.5	210	798	146	44	155	47
	75	5	257	977	165	50	170	52

Aquamaster™ & Mercury Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
4450 4452 *4445 *4447	75	5	300	1140	260	984	155	47	165	50
			500	1900	435	1646	180	55	190	58
			700	2660	605	2290	180	55	190	58
*500 8pm MAX	100	7	300	1140	300	1140	175	53	185	56
			500	1900	500	1900	210	64	220	67
			700	2660	700	2660	205	62	215	66
	125	8.5	300	1140	335	1268	200	61	220	64
			500	1900	560	2120	230	70	240	73
			700	2660	785	2971	210	64	222	68

Rampage™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
4460 4461	75	5	500	1900	433	1646	195	59	205	63
			750	2900	650	2460	230	70	240	73
			1000	3800	866	3278	240	73	250	76
	100	7	500	1900	500	1900	210	64	220	67
			750	2900	750	2900	265	81	270	82
			1000	3800	1000	3800	275	84	285	87
	125	8.5	500	1900	560	2120	230	70	240	73
			750	2900	839	3176	275	84	285	87
			1000	3800	1118	4232	290	88	300	91

SaberMaster™ 500 Solid Bore Flow								
Style	Nozzle Pressure		Solid Bore Flow		Straight Stream Reach*			
					Effective		Overall	
	PSI	BAR	GPM	LPM	FEET	METERS	FEET	METERS
1545	50	3.5	380	1438	160	49	107	52
	75	5	480	1817	185	56	210	64
	100	7	557	2108	230	70	250	76
	125	8.5	615	2328	240	73	260	79
1577	80	5.5	1063	4023	270	82	290	88

Black Widow™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
2151	100	7	300	1140	300	1140	180	55	-	-
2152			500	1900	500	1900	210	64	-	-
2155			700	2660	700	2660	230	70	-	-
2156 2158			1000	3800	1000	3800	240	73	-	-

* Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.

Technical Data: Flow & Reach Data



Akromatic® Master Stream Nozzles									
Style	Nozzle Pressure		Actual Flow		Straight Stream Reach*				
					Effective		Overall		
	PSI	BAR	GPM	LPM	FEET	METERS	FEET	METERS	
5051 5055 5056	100	7	300	1140	170	52	180	55	
			500	1900	200	61	210	64	
			700	2660	220	67	230	70	
5068 5075	80	5.5	1000	3800	230	70	240	73	
			250	950	140	43	150	46	
			500	1900	185	56	200	61	
			750	2900	230	70	240	73	
5160 5177	80	5.5	1000	3800	260	79	270	82	
			1250	4800	285	87	295	90	
			250	950	140	42	160	48	
			500	1900	210	64	220	67	
5170 5071 5178	80	5.5	750	2900	245	75	260	79	
			1000	3800	270	82	285	86	
			1250	4800	295	90	305	93	
			500	1900	145	44	155	47	
5150	75	5	1000	3800	210	64	220	67	
			1250	4800	225	69	235	72	
			1500	5700	255	78	265	81	
			2000	7600	300	91	310	95	
5150	75	5	300	1140	130	40	140	43	
			500	1900	180	55	190	58	
			800	3030	225	69	235	72	
5150	75	5	1000	3800	255	78	270	82	

* Pressure varies slightly as flow rate changes on automatic nozzles.

Renegade™ Monitor Nozzles									
Style	Type	Actual Flow		Straight Stream Reach*					
				Effective		Overall			
		GPM	LPM	FEET	METERS	FEET	METERS		
5088	Automatic	1000	3800	185	56	195	60		
		2500	9500	275	84	285	87		
		5000	19000						
2189	Adjustable	1000	3800						
		2000	7600						
		3000	11500	280	85	800	92		
2188	Fixed	1000	3800						
		2000	7600						
		3000	11500						
		4000	15000	355	108				
		5000	19000						

Turbomaster™ Master Stream Nozzle										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
1755	75	5	500	1900	433	1646	195	59	205	62
			750	2900	650	2460	215	66	220	67
			1000	3800	866	3278	230	70	240	73
			1250	4800	1083	4099	250	76	260	79
			500	1900	500	1900	220	67	230	70
			750	2900	750	2900	250	76	260	79
	100	7	1000	3800	1000	3800	265	81	275	84
			1250	4800	1250	4800	280	85	290	88
			500	1900	560	2120	245	75	255	78
			750	2900	839	3176	270	82	280	85
			1000	3800	1118	4232	290	88	300	91
			1250	4800	1398	5291	300	91	310	94

Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
1745	75	5	250	950	234	889	152	46	162	49
			400	1520	370	1406	190	58	200	61
			550	2100	508	1930	210	64	220	67
			750	2900	672	2554	240	73	250	76
			250	950	271	1030	170	52	180	55
			400	1520	430	1634	210	64	220	67
	100	7	550	2100	588	2234	250	76	260	79
			750	2900	775	2945	260	79	270	82
			250	950	302	1148	195	59	205	62
			400	1520	478	1816	250	76	260	79
			550	2100	650	2470	270	82	280	85
			750	2900	866	3291	273	83	283	86

Excel 1000™ Master Stream Nozzles										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
1747 3747 5147	75	5	300	1140	260	984	150	46	160	49
			500	1900	425	1646	190	58	200	61
			800	3030	693	2623	215	66	225	69
			1000	3800	866	3278	240	73	250	76
			300	1140	300	1140	170	52	180	55
			500	1900	500	1900	225	69	235	72
	100	7	800	3030	800	3030	242	74	252	77
			1000	3800	1000	3800	280	85	290	88
			300	1140	335	1268	190	58	200	61
			500	1900	560	2120	239	73	249	76
			800	3030	894	3384	270	82	280	85
			1000	3800	1118	4232	290	88	300	91
5148	75	5	800	3030	808	3070	220	67	240	73
			100	7	800	3030	945	3591	240	73
	125	8.5	800	3030	1045	3971	260	79	280	85
			75	5	1000	3800	1015	3857	240	73
	100	7	1000	3800	1170	4446	260	79	280	85
			125	8.5	1000	3800	-	-	-	-

FireFox™ Electric Nozzle Flow/reach Data										
Style	Nozzle Pressure		Flow Setting		Actual Flow		Straight Stream Reach*			
							Effective		Overall	
	PSI	BAR	GPM	LPM	GPM	LPM	FEET	METERS	FEET	METERS
3293	100	7	30	115	30	115	74	23	84	26
			60	230	60	230	90	27	104	32
			95	360	95	360	120	37	130	40
			125	475	125	475	125	38	135	41
			175	660	175	660	135	41	145	44
			250	950	250	950	155	47	170	52
			350	1325	350	1325	170	52	190	58
			400	1525	400	1525	190	58	200	61
			450	1700	450	1700	200	61	220	67
			500	1900	500	1900	210	64	225	69

* Note: Reach figures are measured with nozzle at 32° above horizontal. Overall reach is considered where farthest droplets of water fall, in still conditions. Effective reach is considered the farthest portion of the water droplet foot print where fire fighting can be accomplished, in still conditions. Actual results will vary depending on conditions.



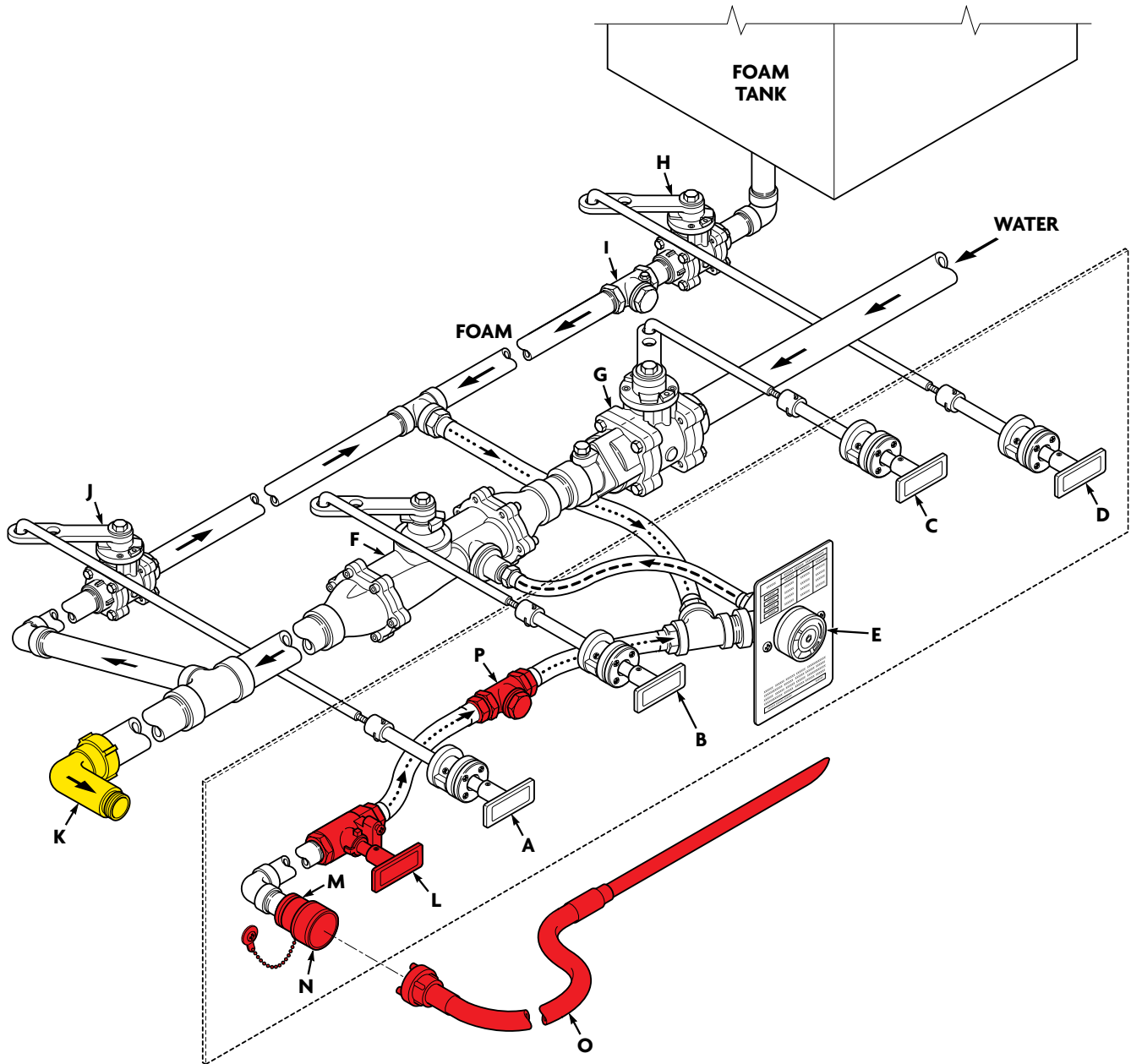
Technical Data: Foam Systems





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Typical Eductor To Crosslay With Off-Truck Foam Access - One Tank

- A: Style 1477 Remote with FLUSH tag
- B: Style 1477 Remote with EDUCTOR tag
- C: Style 1477 Remote with WATER tag
- D: Style 1477 Remote with FOAM tag
- E: Styles 3061, 3096 or 3126 Foam Metering Dial
- F: Styles 3061, 3096 or 3126 By-Pass Eductor
- G: Style 8820 - P1-S x P30-SCV (Check Valve) x R-1 Swing-Out™ Valve
- H: Style 8810 - P1-S x P1-S x R-1 - 1" Foam Valve

- I: 1" Check Valve
- J: Style 8810 - P1-S x P1-S x R-1 - 1" Flush Valve
- K: Style 635 - 2" NPT x 1 1/2" Crosslay Elbow
- L: Style 57 - 3/4" Off-Truck Foam Valve - In Style 3128 Kit
- M: 25mm Storz x 3/4" NPT Panel Fitting - In Style 3128 Kit
- N: Dust Plug with chain - In Style 3128 Kit
- O: 25mm Storz x 5 ft. Pick-up hose assembly - In Style 3128 Kit
- P: 1" Check Valve



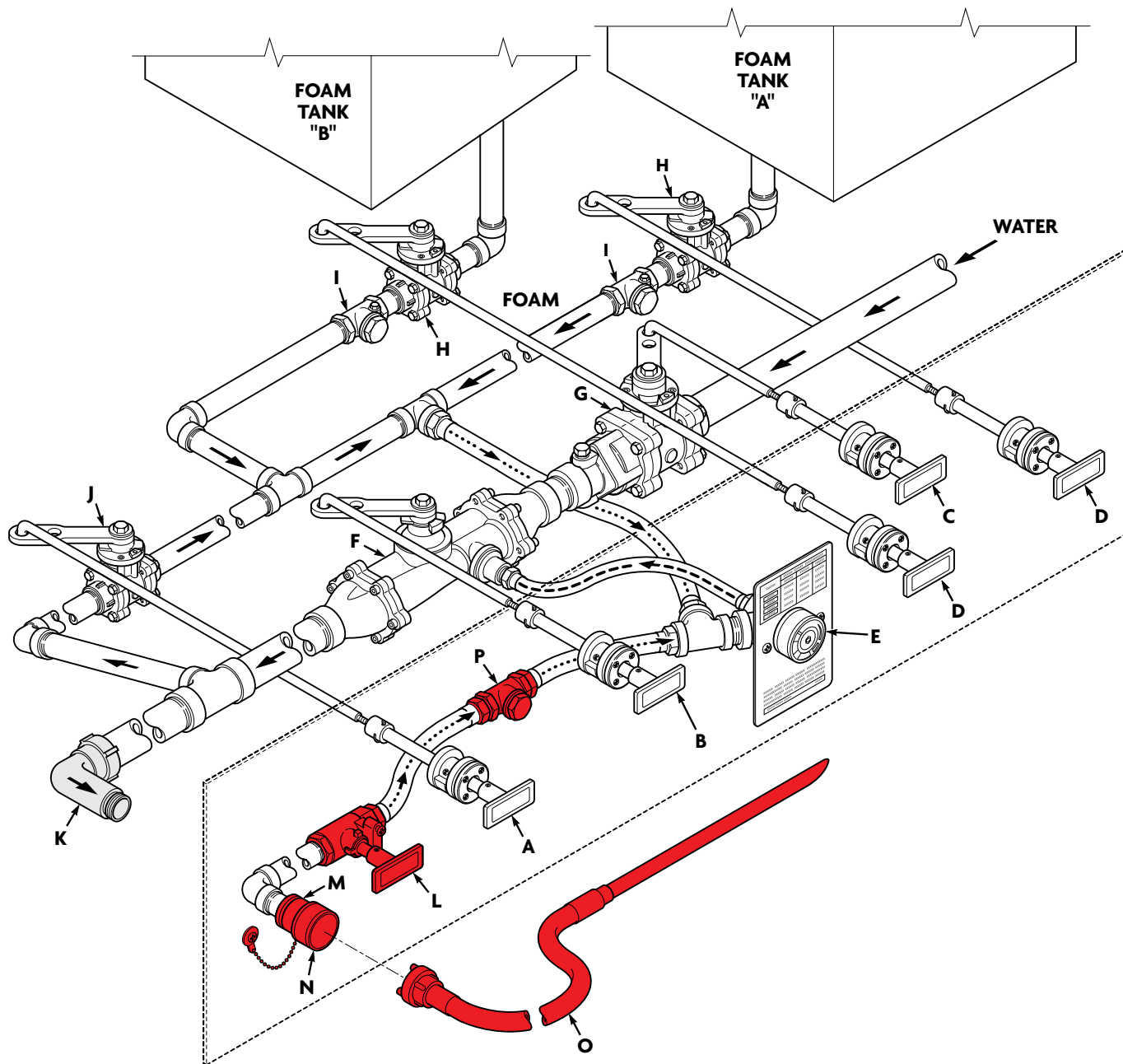
	Crosslay Elbow
	Off Truck System STYLE 3128
	Foam to Eductor: 1/2" I.D. minimum
	Foam to Meter: 3/4" I.D. minimum



Typical Eductor To Crosslay With Off-Truck Foam Access - Two Tank

- A: Style 1477 Remote with FLUSH tag
- B: Style 1477 Remote with EDUCTOR tag
- C: Style 1477 Remote with WATER tag
- D: (2) Style 1477 Remote with FOAM tag
- E: Styles 3061, 3096 or 3126 Foam Metering Dial
- F: Styles 3061, 3096 or 3126 By-Pass Eductor
- G: Style 8820 - P1-S x P30-SCV (Check Valve) x R-1 Swing-Out™ Valve
- H: Style 8810 - P1-S x P1-S x R-1 - 1" Foam Valve
- I: 1" Check Valve

- J: Style 8810 - P1-S x P1-S x R-1 - 1" Flush Valve
- K: Style 635 - 2" NPT x 1 1/2" Crosslay Elbow
- L: Style 57 - 3/4" Off-Truck Foam Valve - In Style 3128 Kit
- M: 25mm Storz x 3/4" NPT Panel Fitting - In Style 3128 Kit
- N: Dust Plug with chain - In Style 3128 Kit
- O: 25mm Storz x 5 ft. Pick-up hose assembly - In Style 3128 Kit
- P: 1" Check Valve



- Crosslay Elbow
- Off Truck System STYLE 3128
- Foam to Eductor: 1/2" I.D. minimum
- Foam to Meter: 3/4" I.D. minimum



Technical Data: Threads

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The following is a listing of the most commonly used threads. However, Akron Brass has the ability to cut many other threads required by the fire service. Normally there is no extra charge for these unique threads.

Akron identifies all unique threads with a 3-letter Thread Code. Simply use the code when ordering Akron product to obtain a proper fit. If this is not possible, either indicate the city and state of use or supply a copy of thread specifications.

Distinct Threads																								
Size	National Standard Nh (Nst)*			Straight Iron Pipe Npsh (Ipt)			New York Corporation Nyc			Pacifica Coast Pct			New York Fire Dept. Fdny			Chicago Fire Dept			Chicago Hose			British Standard Pipe Thread Bsp†		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
3/4"	1.375	8	AAP	1.0353*	14	AAA	-	-	-	1.0625	11	AAD	-	-	-	-	-	-	1.081	11 1/2	AAF	1.041	14	AAB
1"	1.375	8	AAP	1.295*	11 1/2	AAJ	-	-	-	1.3125	11 1/2	AAL	1.66	8	AAS	-	-	-	1.2951	11 1/2	AAI	1.309	11	AAK
1 1/4"	1.6718	9	ACF	1.6399*	11 1/2	ACB	-	-	-	1.86	11	ACH	-	-	-	-	-	-	1.705	11 1/2	ACG	1.65	11	ACD
1 1/2"	1.99	9	ABM	1.8788*	11 1/2	AAY	2.093	11	ABQ	2.1	11	ABT	2.1	8	ABU	1.933	11 1/2	ABE	1.952	11 1/2	ABH	1.882	11	AAZ
2"	2.5156	8	ACM	2.3528*	11 1/2	ACK	2.561	11	ACP	2.55	10	ACQ	-	-	-	-	-	-	2.522	8	ACO	2.347	11	ACJ
2 1/2"	3.0686	7 1/2	AGL	2.841*	8	ACV	3	8	AEF	3.046	7 1/2	AFJ	3.03	8	AFB	2.99	7 1/2	ADZ	3.046	7	AFD	2.96	11	ADL
3"	3.6239	6	ALC	3.47	8	AKY	-	-	-	-	-	-	3.63	8	ALE	-	-	-	-	-	-	3.46	11	AKX
3 1/2"	4.2439	6	ALS	3.97	8	ALJ	-	-	-	-	-	-	4.07	8	ALN	4.052	8	ALL	-	-	-	-	-	
4"	5.0109	4	ANT	4.47	8	ALV	-	-	-	-	-	-	4.61	8	AMA	5.011	4	ANT	-	-	-	4.45	11	ASB
4 1/2"	5.7609	4	APV	4.97	8	AOP	-	-	-	-	-	-	5.8	4	APX	5.761	4	APV	-	-	-	4.95	11	BAN
5"	6.26	4	ARD	5.535	8	APZ	-	-	-	-	-	-	-	-	-	6.26	4	ARD	-	-	-	5.45	11	AUD
6"	7.025	4	ARQ	6.592	8	ARF	-	-	-	-	-	-	-	-	-	7.025	4	AUJ	-	-	-	6.45	11	AUI

1 1/2" Underwriters Playpipe (PPS) - 2.1875 ODM, 12 TPI (ABX)
 1/2" Garden Hose Thread (GHT) - 1.0625 ODM, 11 1/2 TPI (AAE)

* National Form Thread
 † Whitworth Form Thread

ODM = Outside Diameter of Male
 TPI = Threads Per Inch

Abbreviation for tapered iron pipe threads in NPT (National Pipe Tapered) or TIPT.
 Abbreviation for straight iron pipe threaded is NPSH, IPT or SIPT.

NOTE: NPT Thread Not Available in Female Swivels

Flanges			
American Standards Association (ASA) Flange	2 1/2"	3"	4"
Outside Diameter	7"	7 1/2"	9"
Bolt Circle Diameter	5 1/2"	6"	7 1/2"
Bolt Size	5/8"	5/8"	5/8"
Number of Bolt Holes	4	4	8

Canadian Standard 2 1/2" Hose Threads				
Size	Description	Thread Codes	Odm	Tpi
2 1/2"	AMA - Alberta Mutual Aid	AEA	2.99	8*
2 1/2"	BCT - British Columbia	AEH	3	8*
2 1/2"	CSA - Canadian Standards Association - Ontario - All	All	3.125	5*
2 1/2"	QST - Province of Quebec Standard	AFD	3.031	7
2 1/2"	Western Canada Fire Underwriters Association	AKB	3.25	6
2 1/2"	Nova Scotia - Zone 1	AJN	3.23	5

*National Form Thread

Suction Hose Threads (Reference Only)												
	4"			4 1/2"			5"			6"		
	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code	Odm	Tpi	Thread Code
American La France	5.085	4	AOC	5.7609**	4	APW	6.15	4	AQO	7.000**	4	ARP
Mack Truck	5.0109**	4	ANT	5.7609**	4	APV	-	-	-	6.9559	4	ARJ
Maxim	5.000**	4	ANR	5.750**	4	APW	6.250**	4	ARB	7.000**	4	ARP
Seagrave FWD	4.955	4	ANR	-	-	-	6.055	4	AQJ	7.055	4	ART
Ward La France	5.0109**	4	ANT	5.7609**	4	AUR	6.260**	4	ARD	7.025**	4	ARQ
Hale Fire Pump Co.	5.010**	4	ANT	5.760**	4	APW	6.260**	4	ARD	7.025**	4	ARQ
Waterous Fire	5.0109**	4	ANT	5.7609**	4	APV	6.260**	4	ARD	7.261	4	ARW
										Also uses NH		
										7.025**	4	ARQ

** Falls within the range of NH Thread All dimensions shown are the Maximum ODM

Technical Data: Metric Conversion



Liquid Volume		
To Convert	Into	Multiply by
Ounces (oz)	Milliliters (ml)	29.57
Pints (pt)	Liters (l)	0.4732
Quarts (qt)	Liters (l)	0.9464
Gallons (gal)	Liters (l)	3.785
Milliliters (ml)	Ounces (oz)	0.0338
Liters (l)	Pints (pt)	2.113
Liters (l)	Quarts (qt)	1.057
Liters (l)	Gallons (gal)	0.2642

Pressure		
To Convert	Into	Multiply by
Pounds per square inch (psi)	Kilopascals (kPa)	6.895
Pounds per square inch (psi)	bar	0.06895
Kilopascals (kPa)	Pounds per square inch (psi)	0.145
Kilopascals (kPa)	bar	0.01
bar	Pounds per square inch (psi)	14.503
bar	Kilopascals (kPa)	100

Length		
To Convert	Into	Multiply by
Inches (in)	Millimeters (mm)	25.4
Inches (in)	Centimeters (cm)	2.54
Feet (ft)	Centimeters (cm)	30.48
Feet (ft)	Meters (m)	0.3048
Yards (yd)	Meters (m)	0.914
Miles (mi)	Kilometers (km)	1.609
Millimeters (mm)	Inches (in)	0.039
Centimeters (cm)	Inches (in)	0.394
Meters (m)	Feet (ft)	3.282
Kilometers (km)	Miles (mi)	0.6214

Area		
To Convert	Into	Multiply by
Square Inches (in ²)	Square Centimeters (cm ²)	6.452
Square Feet (ft ²)	Square Meters (m ²)	0.093
Square Yards (yds ²)	Square Meters (m ²)	0.836
Square Miles (mi ²)	Square Kilometers (km ²)	2.59
Square Centimeters (cm ²)	Square Inches (in ²)	0.155
Square Meters (m ²)	Square Yards (yds ²)	1.196
Square Kilometers (km ²)	Square Miles (mi ²)	0.386

Hose Sizes					
1" Hose	=	25.4 mm	4" Storz	=	100.00 mm
1 1/2" Hose	=	38.1 mm	4" Hose	=	101.60 mm
1 3/4" Hose	=	44.5 mm	4 1/2" Hose	=	114.30 mm
2" Hose	=	50.8 mm	5" Storz	=	125.00 mm
2 1/2" Hose	=	63.5 mm	5" Hose	=	127.00 mm
3" Hose	=	76.2 mm	6" Hose	=	152.40 mm
3 1/2" Hose	=	88.9 mm			

Tip Sizes					
3/4" Tip	=	19.1 mm	1 1/2" Tip	=	38.1 mm
7/8" Tip	=	22.2 mm	1 3/4" Tip	=	44.5 mm
1" Tip	=	25.4 mm	2" Tip	=	50.8 mm
1 1/8" Tip	=	28.6 mm	2 1/4" Tip	=	57.2 mm
1 1/4" Tip	=	31.8 mm	2 1/2" Tip	=	63.5 mm
1 3/8" Tip	=	34.9 mm	3" Tip	=	76.2 mm

Solid Volume		
To Convert	Into	Multiply by
Ounces (oz)	Grams (g)	28.3495
Pounds (lb)	Kilograms (kg)	0.4536
Grams (g)	Ounces (oz)	0.035
Kilograms (kg)	Pounds (lb)	2.205

Pressures				
50 psi	=	345 kPa	=	3.45 bar
60 psi	=	414 kPa	=	4.14 bar
70 psi	=	488 kPa	=	4.88 bar
75 psi	=	517 kPa	=	5.17 bar
80 psi	=	552 kPa	=	5.52 bar
90 psi	=	621 kPa	=	6.21 bar
100 psi	=	690 kPa	=	6.90 bar
150 psi	=	1034 kPa	=	10.34 bar
200 psi	=	1379 kPa	=	13.79 bar
250 psi	=	1723 kPa	=	17.23 bar
300 psi	=	2069 kPa	=	20.69 bar
350 psi	=	2413 kPa	=	24.13 bar
580 psi	=	3999 kPa	=	39.99 bar
700 psi	=	4827 kPa	=	48.27 bar

Flow				
Flow Rate		Exact LPM	Akron Standard	
12 gpm	=	45.42 lpm	=	45 lpm
13 gpm	=	49.20 lpm	=	50 lpm
15 gpm	=	56.78 lpm	=	60 lpm
20 gpm	=	75.70 lpm	=	75 lpm
23 gpm	=	87.06 lpm	=	90 lpm
25 gpm	=	94.62 lpm	=	95 lpm
30 gpm	=	113.55 lpm	=	115 lpm
40 gpm	=	151.40 lpm	=	150 lpm
50 gpm	=	189.25 lpm	=	190 lpm
60 gpm	=	227.10 lpm	=	230 lpm
70 gpm	=	264.95 lpm	=	265 lpm
75 gpm	=	283.88 lpm	=	285 lpm
85 gpm	=	321.73 lpm	=	320 lpm
95 gpm	=	359.58 lpm	=	360 lpm
100 gpm	=	378.50 lpm	=	380 lpm
120 gpm	=	454.20 lpm	=	460 lpm
125 gpm	=	473.13 lpm	=	475 lpm
150 gpm	=	567.75 lpm	=	550 lpm
175 gpm	=	662.38 lpm	=	660 lpm
200 gpm	=	757.00 lpm	=	750 lpm
250 gpm	=	946.25 lpm	=	950 lpm
300 gpm	=	1135.50 lpm	=	1140 lpm
350 gpm	=	1324.75 lpm	=	1325 lpm
375 gpm	=	1419.38 lpm	=	1420 lpm
400 gpm	=	1514.00 lpm	=	1525 lpm
450 gpm	=	1703.25 lpm	=	1700 lpm
500 gpm	=	1892.50 lpm	=	1900 lpm
550 gpm	=	2081.75 lpm	=	2100 lpm
700 gpm	=	2649.50 lpm	=	2660 lpm
750 gpm	=	2838.75 lpm	=	2900 lpm
800 gpm	=	3028.00 lpm	=	3030 lpm
1000 gpm	=	3785.00 lpm	=	3800 lpm
1200 gpm	=	4542.00 lpm	=	4500 lpm
1250 gpm	=	4731.25 lpm	=	4800 lpm
1500 gpm	=	5677.50 lpm	=	5700 lpm
2000 gpm	=	7570.00 lpm	=	7600 lpm



Technical Data: Theoretical Discharge & Reaction

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Solid Bore Nozzles																	
Nozzle Pressure* (PSI)	Gallons Per Minute (GPM)									Pounds Reaction Force † (RF)							
	Solid Bore Diameter (Inches)																
	3/8"	1/2"	5/8"	3/4"	7/8"	15/16"	1"	1 1/8"	1 1/4"	1 3/8"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	
40	26	47	73	106	144	165	188	238	294	355	423	575	752	951	1174	1421	gpm
	9	16	25	35	48	55	63	79	98	119	141	192	251	318	393	475	rf
45	28	50	78	112	153	175	199	252	311	377	448	610	797	1009	1246	1507	gpm
	10	18	28	40	54	62	71	89	110	134	159	216	283	358	442	534	rf
50	30	53	82	118	161	185	210	266	328	397	473	643	840	1064	1313	1589	gpm
	11	20	31	44	60	69	79	99	123	148	177	240	314	397	491	594	rf
55	31	55	86	124	169	194	220	279	344	417	496	675	881	1115	1377	1666	gpm
	12	22	34	49	66	76	86	109	135	163	194	264	345	437	540	653	rf
60	32	58	90	129	176	202	230	291	360	435	518	705	921	1165	1438	1740	gpm
	13	24	37	53	72	83	94	119	147	178	212	288	377	477	589	712	rf
65	34	60	94	135	183	211	240	303	374	453	539	734	958	1213	1497	1811	gpm
	14	26	40	57	78	90	102	129	159	193	230	313	408	517	638	772	rf
70	35	62	97	140	190	218	249	315	388	470	559	761	994	1258	1554	1880	gpm
	15	27	43	62	84	97	110	139	172	208	247	337	440	556	687	831	rf
75	36	64	101	145	197	226	257	326	402	486	579	788	1029	1303	1608	1946	gpm
	17	29	46	66	90	103	118	149	184	223	265	361	471	596	736	890	rf
80	37	66	104	149	203	234	266	336	415	502	598	814	1063	1345	1661	2010	gpm
	18	31	49	71	96	110	126	159	196	237	283	385	502	636	785	950	rf
85	39	68	107	154	210	241	274	347	428	518	616	839	1096	1387	1712	2071	gpm
	19	33	52	75	102	117	133	169	209	252	300	409	534	676	834	1009	rf
90	40	70	110	159	216	248	282	357	440	533	634	863	1127	1427	1762	2132	gpm
	20	35	55	79	108	124	141	179	221	267	318	433	565	715	883	1069	rf
95	41	72	113	163	222	255	290	366	452	547	652	887	1158	1466	1810	2190	gpm
	21	37	58	84	114	131	149	189	233	282	336	457	597	755	932	1128	rf
100	42	74	116	167	227	261	297	376	464	562	668	910	1188	1504	1857	2247	gpm
	22	39	61	88	120	138	157	199	245	297	353	481	628	795	981	1187	rf
105	43	76	119	171	233	268	304	385	476	576	685	932	1218	1541	1903	2302	gpm
	23	41	64	93	126	145	165	209	258	312	371	505	659	835	1030	1247	rf
110	44	78	122	175	239	274	312	394	487	589	701	954	1246	1577	1948	2356	gpm
	24	43	67	97	132	152	173	219	270	327	389	529	691	874	1079	1306	rf
115	45	80	124	179	244	280	319	403	498	602	717	976	1274	1613	1991	2409	gpm
	25	45	71	102	138	159	181	229	282	341	406	553	722	914	1128	1365	rf
120	46	81	127	183	249	286	325	412	509	615	732	997	1302	1648	2034	2461	gpm
	26	47	74	106	144	166	188	238	294	356	424	577	754	954	1178	1425	rf
125	47	83	130	187	254	292	332	420	519	628	747	1017	1329	1682	2076	2512	gpm
	28	49	77	110	150	172	196	248	307	371	442	601	785	994	1227	1484	rf
130	48	85	132	191	259	298	339	429	529	640	762	1037	1355	1715	2117	2562	gpm
	29	51	80	115	156	179	204	258	319	386	459	625	816	1033	1276	1544	rf
135	49	86	135	194	264	303	345	437	539	653	777	1057	1381	1748	2157	2611	gpm
	30	53	83	119	162	186	212	268	331	401	477	649	848	1073	1325	1603	rf
140	49	88	137	198	269	309	352	445	549	665	791	1077	1406	1780	2197	2658	gpm
	31	55	86	124	168	193	220	278	343	416	495	673	879	1113	1374	1662	rf
145	50	89	140	201	274	314	358	453	559	676	805	1096	1431	1811	2236	2706	gpm
	32	57	89	128	174	200	228	288	356	430	512	697	911	1152	1423	1722	rf
150	51	91	142	205	279	320	364	461	569	688	819	1114	1455	1842	2274	2752	gpm
	33	59	92	132	180	207	236	298	368	445	530	721	942	1192	1472	1781	rf
175	55	98	154	221	301	345	393	497	614	743	884	1204	1572	1990	2456	2972	gpm
	39	69	107	155	210	241	275	348	429	519	618	841	1099	1391	1717	2078	rf
200	59	105	164	236	322	369	420	532	657	794	945	1287	1681	2127	2626	3177	gpm
	44	79	123	177	240	276	314	397	491	594	707	962	1256	1590	1963	2375	rf

References: National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition International Fire Service Training Association (IFSTA) Fire Protection Publications - Fire Stream Practices - 7th Edition

* Nozzle Pressure Measured with Pitot Gauge

† Reaction Force measured in pounds

Solid Bore Discharge Formula: $GPM = 29.71D^2\sqrt{NP}$

Solid Bore Reaction Formula: $NR = 1.57D^3NP$

D = Bore Diameter, NP = Nozzle Pressure (psi) Pitot Pressure

Technical Data: Theoretical Discharge & Reaction



Fog Nozzles																	
GPM Setting	Gallons Per Minute (gpm)									Pounds Reaction Force† (rf)							
	Nozzle Pressure At Inlet (PSI)																
	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	
13	9	10	10	10	11	11	12	12	12	13	13	13	14	14	14	15	gpm
	3	4	4	4	5	5	5	6	6	6	7	7	7	8	8	8	rf
20	14	15	15	16	17	17	18	18	19	19	20	20	21	21	22	22	gpm
	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	rf
25	18	19	19	20	21	22	22	23	24	24	25	26	26	27	27	28	gpm
	6	7	7	8	9	10	10	11	11	12	13	13	14	15	15	16	rf
30	21	22	23	24	25	26	27	28	28	29	30	31	31	32	33	34	gpm
	8	8	9	10	11	11	12	13	14	14	15	16	17	17	18	19	rf
40	28	30	31	32	33	35	36	37	38	39	40	41	42	43	44	45	gpm
	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	rf
60	42	44	46	48	50	52	54	55	57	58	60	61	63	64	66	67	gpm
	15	17	18	20	21	23	24	26	27	29	30	32	33	35	36	38	rf
95	67	70	74	77	79	82	85	88	90	93	95	97	100	102	104	106	gpm
	24	26	29	31	34	36	38	41	43	46	48	50	53	55	58	60	rf
100	71	74	77	81	84	87	89	92	95	97	100	102	105	107	110	112	gpm
	25	28	30	33	35	38	40	43	45	48	51	53	56	58	61	63	rf
125	88	93	97	101	105	108	112	115	119	122	125	128	131	134	137	140	gpm
	32	35	38	41	44	47	51	54	57	60	63	66	69	73	76	79	rf
150	106	111	116	121	125	130	134	138	142	146	150	154	157	161	164	168	gpm
	38	42	45	49	53	57	61	64	68	72	76	80	83	87	91	95	rf
200	141	148	155	161	167	173	179	184	190	195	200	205	210	214	219	224	gpm
	51	56	61	66	71	76	81	86	91	96	101	106	111	116	121	126	rf
250	177	185	194	202	209	217	224	230	237	244	250	256	262	268	274	280	gpm
	63	69	76	82	88	95	101	107	114	120	126	133	139	145	152	158	rf
300	212	222	232	242	251	260	268	277	285	292	300	307	315	322	329	335	gpm
	76	83	91	98	106	114	121	129	136	144	152	159	167	174	182	189	rf
375	265	278	290	302	314	325	335	346	356	366	375	384	393	402	411	419	gpm
	95	104	114	123	133	142	152	161	170	180	189	199	208	218	227	237	rf
500	354	371	387	403	418	433	447	461	474	487	500	512	524	536	548	559	gpm
	26	139	152	164	177	189	202	215	227	240	253	265	278	290	303	316	rf
700	495	519	542	564	586	606	626	645	664	682	700	717	734	751	767	783	gpm
	177	194	212	230	247	265	283	300	318	336	354	371	389	407	424	442	rf
750	530	556	581	605	627	650	671	691	712	731	750	769	787	804	822	839	gpm
	189	208	227	246	265	284	303	322	341	360	379	398	417	436	455	473	rf
1000	707	742	775	806	837	866	894	922	949	975	1000	1025	1049	1072	1095	1118	gpm
	253	278	303	328	354	379	404	429	455	480	505	530	556	581	606	631	rf
1250	884	927	968	1008	1046	1083	1118	1152	1186	1218	1250	1281	1311	1340	1369	1398	gpm
	316	347	379	410	442	473	505	537	568	600	631	663	694	726	758	789	rf
1500	1061	1112	1162	1209	1255	1299	1342	1383	1423	1462	1500	1537	1573	1609	1643	1677	gpm
	379	417	455	492	530	568	606	644	682	720	758	795	833	871	909	947	rf
1750	1237	1298	1356	1411	1464	1516	1565	1613	1660	1706	1750	1793	1835	1877	1917	1957	gpm
	442	486	530	574	619	663	707	751	795	840	884	928	972	1016	1061	1105	rf
2000	1414	1483	1549	1612	1673	1732	1789	1844	1897	1949	2000	2049	2098	2145	2191	2236	gpm
	505	556	606	657	707	758	808	859	909	960	1010	1061	1111	1162	1212	1263	rf

Fog Nozzle Discharge Formula: $GPM = \frac{\text{Rated Flow} \times \sqrt{NP}}{\sqrt{\text{Rated NP}}}$

Fog Nozzle Reaction Formula: $NR = 0.0505Q\sqrt{NP}$

NP = Nozzle Pressure (psi), Q = Flow (gpm)

References: National Fire Protection Association (NFPA) Fire Protection Handbook - 17th Edition
International Fire Service Training Association (IFSTA) Fire Protection Publications - Fire Stream Practices - 7th Edition

† Reaction Force measured in pounds



Specifications

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Scene Lights:

Style ELSS-XLDC SceneStar™ LED Scene Light

An Akron Brass LED Scene Light, item ELSS-XLDC shall be provided. The light head shall contain 8 high power LEDs and a highly polished reflector. The light head shall operate from 10-32 VDC (as measured at the light head) and maintain stable light output of 19,000 lumens and constant power consumption of 220W (current = power / voltage). The light head shall tilt up and down with two heavy duty handles and shall be mounted with a swivel assembly. An on/off switch with weather-proof boot shall be provided on the swivel assembly. The SceneStar LED head shall have a 6 year warranty.

Style ELSS-SLDC SceneStar LED Scene Light

An Akron Brass LED Scene Light, item ELSS-SLDC shall be provided. The light head shall contain 8 high power LEDs and a highly polished reflector. The light head shall operate from 10-32 VDC (as measured at the light head) and maintain stable light output of 14,000 lumens and constant power consumption of 220W (current = power / voltage). The light head shall tilt up and down with two heavy duty handles and shall be mounted with a swivel assembly. An on/off switch with weather-proof boot shall be provided on the swivel assembly. The light head shall be of durable aluminum construction. The SceneStar LED head shall have a 6 year warranty.

Style ELSS-XLAC SceneStar LED Scene Light

An Akron Brass LED Scene Light, item ELSS-XLAC shall be provided. The light head shall contain 48 ultra bright white LEDs and a highly polished reflector. Part of the light shall be focused into a spot pattern and the remaining light shall direct light throughout the rest of the work area. The light head shall operate at either 120 Volts AC or 240 Volts AC. The light head shall tilt up and down with two heavy duty handles and shall be mounted on to the top of the portable base with a swivel assembly. An on/off switch with weather-proof boot shall be provided on the swivel assembly. The light head shall be of durable aluminum construction. The SceneStar LED head shall have a 6 year warranty.

Valves:

2681 Brass Leader Line Wye

A 2 1/2" female x 1 1/2" male x 1 1/2" male wye constructed of corrosion resistant brass. The wye shall have break-resistant handles with built-in stops, square drive trunnions with Teflon thrust bearings and the seats shall be externally adjustable.

7980 Black Max™ Piston Intake Valve

The Piston Intake Valve shall be constructed of lightweight, corrosion-resistant, hard-anodized and poly-impregnated aluminum and stainless steel. The valve shall have an adjustable (50 to 250 psi) relief valve, a 3/4" air bleeder, a built-in 53° down angle inlet, a stainless steel drive screw and piston nut, a hand wheel with fold-away knob, a polymer piston, a durable non-stick seat, and a minimum 4 3/4" diameter waterway with cast in turning vane. The valve shall not exceed 7 psi friction loss at 2000 gpm and 11 15/16" in depth. Must specify inlet and outlet. Product must carry a 10 year warranty.

8600 Heavy Duty Swing-Out Valves 1"-3 1/2"

An Akron Brass Generation II Swing-Out™ Valve shall be provided. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats. The valve body shall be of universal design and accept multiple actuators. The valve shall be capable of dual directional flow while incorporating a specially designed flow optimizing stainless steel ball with HydroMax™ technology. All stainless steel parts must be 316 grade for increased resistance to corrosion. The valve shall not require lubrication of seats or any other internal waterway parts, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. The valve shall be actuated using manual gear, electric actuator, twist lock manual handle or rack and sector. The electric actuator shall have a 16:1 gear ratio, which actuates from fully open to fully closed in 5 seconds, and a clutchless motor. The electric actuator shall also include magnetic position feedback so the actual position of the valve is always known. The connections for the pressure and flow sensor, if installed, shall be located on the top of the actuator. The connection to a CAFS solenoid shall be integrated into the connections on the top of the actuator. The electric actuator motor shall be plugged directly into the electronics on the top of the actuator. The gear actuator shall operate at a 50:1 gear ratio which actuates from fully open to fully closed in 12 rotations and utilizes a 4" diameter chrome hand wheel. An optional position indicator shall also be available. The valve shall be manufactured and assembled in the United States. Product must carry a 10 year manufacturer's warranty.

8800 Heavy Duty Swing-Out Valves 1"-3 1/2"

An Akron Brass Generation II Swing-Out™ Valve shall be provided. The valve shall have an all brass body with flow optimizing stainless steel ball and dual polymer seats. The valve body shall be of universal design and accept multiple actuators. The valve shall be capable of dual directional flow while incorporating a specially designed flow optimizing stainless steel ball with HydroMax™ technology. All stainless steel parts must be 316 grade for increased resistance to corrosion. The valve shall not require lubrication of seats or any other internal waterway parts, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. The valve shall be compatible with a slow closing devise. This valve shall be actuated using a manual handle. The handle shall be quickly adjustable to one of eight handle positions and require only 90° travel. The valve shall be manufactured and assembled in the United States. Product must carry a 10 year manufacturer's warranty.

8900 Heavy Duty Swing-Out™ Valves - 1" - 3 1/2"

An Akron Brass Generation II Swing-Out™ Valve shall be provided. The valve shall have an all brass body with flow optimizing composite ball and dual polymer seats. The valve body shall be of universal design and accept multiple actuators. The valve shall be capable of dual directional flow while incorporating a specially designed flow optimizing Fusion CF™ composite ball with HydroMax™ technology. The valve shall not require lubrication of seats or any other internal waterway parts, and must be capable of swinging out of the waterway for maintenance by the removal of six bolts. The valve shall be actuated using manual gear, electric actuator, twist lock manual handle, rack and sector or manual handles. The electric actuator shall have a 16:1 gear ratio, which actuates from fully open to fully closed in 5 seconds, and a clutchless motor. The electric actuator shall also include magnetic position feedback so the actual position of the valve is always known. The connections for the pressure and flow sensor, if installed, shall be located on the top of the actuator. The connection to a CAFS solenoid shall be integrated into the connections on the top of the actuator. The electric actuator motor shall be plugged directly into the electronics on the top of the actuator. The gear actuator shall operate at a 50:1 gear ratio which actuates from fully open to fully closed in 12 rotations and utilizes a 4" diameter chrome hand wheel. An optional position indicator shall also be available. The manual handles shall be quickly adjustable to one of eight handle positions and require only 90° travel. The valve shall be manufactured and assembled in the United States. Product must carry a 10 year manufacturer's warranty.



8840 4" Swing-Out Valve Specifications

The valve shall have an all cast brass valve body with a 4" full flow waterway ideal for flows up to 2000 gpm and a maximum body length of 4'. The valve shall utilize a bronze flat ball design with a single urethane seat and be structurally rated to 500psi with a 250 psi operating pressure. The valve shall not require the lubrication of seats or any other internal waterway parts, and be capable of swinging out of the waterway for maintenance by the removal of six bolts. An electric, air, or manual gear actuator shall actuate the valve. The electric actuator shall have a 25:1 gear ratio, which actuates from fully open to fully close in 8 seconds, a clutchless motor, and utilize an electric controller with current limiting design. The gear actuator shall operate at a 50:1 gear ratio, which actuates from fully open to fully closed in 12 rotations, and utilizes a 6" diameter chrome hand wheel. The air actuator shall operate between 80-120 psi and be equipped with an emergency override.

9300 Flow/Pressure Meter

The flow/pressure meter shall have digital LED display characters 5/8" high, with adjustable intensity. The unit shall have solid state electronics with pipe set sizes programmed into a chip and be capable of custom calibration to high and low flow ranges. Additional calibrations shall not be required. The unit must have two button operation to read pressure, flow and total flow, and shall be in a water resistant brass housing and shall come with all required installation cables and harnesses. The flow sensor must be brass with a stainless steel paddle wheel that can be installed into an Akron Swing-Out Valve Adapter. In addition 2 – 10' cables shall be provided.

9300 Flow/Pressure Meter

An Akron Brass Style 9300 Flow/Pressure Meter, shall be provided. The Flow/Pressure Meter shall have digital LCD display with auto-dimming capability and adjustable brightness. The unit shall have solid state electronics with pipe sizes programmed into a chip and be capable of custom calibration to high and low flow ranges. Additional calibrations shall not be required. The unit must read pressure, flow and total flow, and shall be in a water resistant housing and shall come with all required installation cables and harnesses. The flow sensor must be brass with a stainless steel paddle wheel that can be installed into an Akron Swing-Out™ Valve adapter. In addition 2 – 10' cables are provided for connection of the pressure and flow sensors.

9323 Electric Valve Controller

An Akron Brass Style 9323 Valve Controller shall be provided. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Two additional buttons shall be available to be used for preset selection, preset activation and menu navigation. The controller must have up to three preset locations that can be user set and easily recalled upon each use. The unit must be capable of being used in conjunction with at least two additional displays to control one valve. The unit must provide position indication through a full color backlit LCD display. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. The unit must carry a five year warranty.

9325 Electric Valve Controller

An Akron Brass Style 9325 Navigator Pro™ shall be provided. The electric controls must be of true position feedback design, requiring no clutches in the motor or current limiting. The unit must be completely sealed with momentary open, close as well as an optional one touch full open feature to operate the actuator. Three additional buttons shall be available to be used for preset selection, preset activation, CAFS activation and menu navigation. The unit must be capable of being connected to either a Flow Sensor or Pressure Sensor, or both, and provide an LCD display showing pressure and/or flow as well as valve position indication. Valve position indication must be determined from true position feedback and indicate the exact position of the valve. The unit must be capable of being used in conjunction with at least two additional displays to control one valve. The unit must be able to be programmed to GPM or LPM for flow as well as Bar, PSI or kPa for pressure. The unit must have programmed pipe sizes and be capable of custom calibration to high and low flow ranges. The unit must also be capable of turning on and off a solenoid used in a CAFS system. The only calibration required is to set the unit to the valve during initial set up. No other calibration shall be required. The display shall be a full color LCD display with a backlight. It shall have manual adjustment of the brightness as well as an auto-dimming option. Unit must carry a five year warranty.

Nozzles:

Dual Shutoff SaberJet™ Nozzles - DSO

A combination solid stream and fog nozzle with the capability to flow either stream independently or simultaneously. The solid bore shall have field changeable tips with orifices of either 3/8", 1/2", 5/8", 3/4", 7/8", 15/16", 1", or 1 1/8" and the fog shall flow. The nozzle shall have spinning teeth, multiple pattern detents, flush without shutting down, twist shutoff of the fog stream, and a full time swivel inlet. The bale shutoff of the smooth bore shall be with dual drive trunnions. The nozzle shall also be constructed of lightweight Pyrolite, have a shutoff ball with flow diversion for the fog waterway, have a 10 year warranty and meet NFPA 1964.

Single Shutoff SaberJet™ Nozzles - SSO

A combination solid stream and fog nozzle with the capability to flow either stream independently. The solid bore shall have field changeable tips with orifices of either 3/4", 7/8", 15/16", or 1" and the fog shall flow 135 gpm at 100 psi. The nozzle shall have a three position ball for changing streams, spinning teeth, multiple pattern detents, flush without shutting down, and a full time swivel inlet. The bale shutoff shall be with dual drive trunnions. The nozzle shall also be constructed of lightweight Pyrolite, have a shutoff ball with flow diversion for the fog waterway, come with a 10 year warranty and meet NFPA 1964.

1577 SaberMaster

A combination solid stream and fog master stream nozzle with the capability to flow either a true unobstructed solid bore stream or a fully adjustable fog stream. The solid bore shall be a full 2" diameter and the fog shall be rated to flow 1250 gpm at 80 psi. The nozzle shall have electric pattern selection from solid bore to wide fog controlled by a 12V or 24V motor, a built-in stream shaper, a 2 1/2" swivel or 3 1/2" swivel base, and be construction of durable, lightweight Pyrolite. The nozzle shall also be equipped with a manual override feature to allow manual stream adjustment.

Turbojet Nozzles

Lightweight fog and straight stream nozzle with multiple fixed constant gallonage settings. The nozzle shall have spinning teeth, multiple pattern detents, a one piece solid rubber-like handle with dual handle stops, dual drive trunnions and an extruded Pyrolite body. The nozzle shall also have a minimum 110° angle at wide fog, a full-time swivel inlet, com with a ten year warranty, be capable of flushing without shutting down. Must meet all aspects of NFPA 1964 with test results available.



Specifications

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Turbomaster. Master Stream Nozzle

Combination fog and straight stream constant gallonage nozzle with four variable settings. Nozzle shall be constructed of lightweight Pyrolite, have spinning teeth, a large rubber-like control ring, and a 2 1/2" swivel. It shall have variable pattern selection from straight stream to wide fog with continuous detents for more positive positioning.

Style Flow Settings

1745 250, 400, 550, & 750 gpm

1755 500, 750, 1000, & 1250 gpm

1757 350, 500, 750, & 1000 gpm

3061, 3062, 3096, 3097, 3126 & 3127 Portable and Truck By-Pass Eductors

The 60, 95, or 125 gpm bypass eductors shall be of brass construction, and be capable of adjusting the handle in one of eight positions by the removal of one bolt. The eductor shall have 2" victaulic or threaded connections, and have an infinitely adjustable metering panel with detents at 1/4, 1/2, 1, 3 & 6%. The unit shall be capable of having an off truck access kit operating through the metering panel by use of a quick disconnect.

4460, 4461 Rampage™ Master Stream Nozzles

A combination fog and straight stream, constant gallonage nozzle with a built-in stream shaper and a fixed 500, 750, 1000 or 1250 gpm flow setting. The nozzle shall have a 2 1/2" rigid female inlet, a built-in grease fitting, twist shutoff capability (style 4460 only), and corrosion resistant brass and stainless steel construction. The nozzle shall be capable of straight stream reach of over 200 feet and shall have a minimum wide fog angle of 90°.

Assault Nozzles

Lightweight fog and straight stream nozzle with fixed constant gallonage settings labeled on the baffle head. Nozzle shall have spinning turbine teeth, molded teeth or no teeth, multiple pattern detents, a one-piece solid rubber-like handle with dual stops, dual drive trunnions, and an extruded Pyrolite body. The nozzle also shall have a minimum 110° fog pattern (1" 105°), a fulltime swivel inlet, be capable of flushing without shutting down, and a ten year warranty. Must meet all aspects of NFPA 1964 with test results available.

5051, 5055 & 5056 Akromatic 1000 Master Stream Nozzles

Combination fog and straight stream master stream nozzle with automatic flow mechanism that maintains a consistent pressure throughout a flow range of 350 to 1000 gpm. The nozzle shall have spinning teeth and have a 2 1/2" swivel base.

5160, 5075, 5077 & 5177

Akromatic 1250 Master Stream Nozzles

Combination fog and straight stream master stream nozzle with automatic flow mechanism that provides a flow range of either 250 to 1000 gpm or 250 to 1250 gpm at 80 psi. The nozzle shall be constructed of durable, lightweight Pyrolite.

Akromatic 2000 Master Stream Nozzles

STYLES 5170, 5071 and 5178

Combination fog and straight stream master stream nozzle with automatic flow mechanism that maintains a consistent pressure throughout a flow range of either 500 to 1500 gpm or 500 to 2000 gpm at 80 psi.

Excel 1000 Master Stream Nozzles

Combination fog and straight stream constant gallonage nozzle with four settings - 300, 500, 800 and 1000 gpm. Flow settings may be changed by rotation of the baffle head. Nozzle shall have a 2.12" swivel inlet and spinning teeth. It shall have variable pattern selection from straight stream to wide fog with continuous detents for more positive positioning. (Specify Pyrolite or cast)

Junction Box:

Junction Box Model EJB Electrical Junction Box

The electrical junction box shall be a heavy duty, cast aluminum that has at least one quarter of an inch (1/4") thick walls and the four corner edges shall be at least one half of an inch (1/2") thick to withstand the roughest of handling. The carrying handle shall be large enough to fit a fully gloved hand and be an integral part of the box casting. Each side of the electrical junction box shall be fitted with a quarter of inch (1/4") thick polypropylene faceplates. Faceplates shall be backlit so that plug orientation to the receptacle is quick and easy to align. Each electrical junction box shall be equipped with four (4) electrical receptacles (two on each side) as specified by the user. Each receptacle shall be equipped with a spring loaded snap cover that is marked in white lettering with that receptacles voltage and ampere rating. All electrical receptacles, plugs and snap type weather proof covers shall be UL Listed components. No junction box with a light on top of the box will be acceptable. Electrical junction box shall be manufactured by an ISO 9001 certified company.

Hand Tools:

Ultra Lite Pike Pole

An Akron Brass, Ultra-Lite Pike Pole shall be constructed of 1 1/4" hollow, round shaped, yellow fiberglass creating a heavy-duty lightweight pike pole. The Ultra-Lite Pike Pole shall come in lengths of 3' to 16', have hook options of USA hook, Dry Wall Hook, Rubbish Hook, Multi-Purpose, or Shredder. The hooks shall be assembled to the fiberglass pole with heavy duty spring pins for ease of repair. The handle end of the pole shall consist of a rubber bumper or a D-Handle. The fiberglass rod shall be tested using the ASTM D-638 method and have a longitudinal tensile strength of 30,000 psi. The Ultra-Lite pike pole shall be electrically resistant, require no maintenance, and have a 5 year warranty.

PP Gripper Pike Pole

An Akron Brass, Gripper Pike Pole shall be constructed of 3/8" x 1-1/8" elliptical shaped, yellow fiberglass creating a heavy-duty pike pole. The Gripper Pike Pole shall come in lengths of 3' to 16', have hook options of USA hook, Dry Wall Hook, Rubbish Hook, Multi-Purpose, or Shredder. The hooks shall be assembled to the fiberglass pole with heavy duty spring pins for ease of repair. The handle end of the pole shall consist of a rubber bumper or a D-Handle. The fiberglass rod shall be tested using the ASTM D-638 method and have a longitudinal tensile strength of 100,000 psi. The Gripper pike pole shall be electrically resistant, require no maintenance, and have a 5 year warranty.

IB I-Beam Pike Pole

An Akron Brass, I-Beam Pike Pole shall be constructed from a one piece pulltrusion of 1" x 1 1/2" solid fiberglass with an "I-Beam" shape. The I-Beam Pike Pole shall come in lengths of 3' to 16', have hook options of USA hook, Dry Wall Hook, Rubbish Hook, Multi-Purpose, or Shredder. The handle end of the pole shall consist of a rubber bumper or a D-Handle. The top of the pike pole shall be grooved to identify the position of the hook on the end of the pole. The I-Beam pike pole shall be electrically resistant, require no maintenance, and have a 5 year warranty.

WR Wood Pike Pole

An Akron Brass, Wood Pike Pole shall be constructed of 1 3/8" white ash with a shellac finish. The wood pike pole shall have a 5 year warranty. The Wood Pike Pole shall come in lengths of 3' to 16', have hook options of USA hook, Dry Wall Hook, Rubbish Hook, Multi-Purpose, or Shredder. The wood pike pole shall have a 5 year warranty.



UT Ultra Tough Pike Pole

An Akron Brass, Ultra-Tough Pike Pole shall be constructed of 1 1/4" round shaped, yellow fiberglass with a honeycomb meshed fiberglass core creating a heavy-duty lightweight pike pole. The Ultra-Tough Pike Pole shall come in lengths of 3' to 16', have hook options of USA hook, Dry Wall Hook, Rubbish Hook, Multi-Purpose, or Shredder. The hooks shall be assembled to the fiberglass pole with heavy duty spring pins for ease of repair. The handle end of the pole shall consist of a rubber bumper or a D-Handle. The Ultra-Tough pike pole shall be electrically resistant, require no maintenance, and have a 5 year warranty.

Reels:

ERWB Electric Rewind Booster Reel

An Akron Brass, Cord Reel item ERWB electric rewind booster reel shall be provided. The booster reel can be ordered with up to (2) guide rollers sets or installed at a later date in the field. The guide rollers are chrome finished for a polished look. All metal parts, except for the electric motor, chain and sprocket teeth, shall be powder painted red or silver at no additional charge. All hardware shall be stainless steel. Each booster reel shall have disks with rolled edges to prevent sharp edges. Each booster reel shall include a 1" NPT 90° swivel with female threads on the inlet and 1" NH male threads on the outlet. The manual override shall be available from the front of the reel at a vertical location (standard) and have the option for horizontal or a 30° angle. Each reel shall be rated at 1500 psi with a 4:1 safety factor. Each booster reel shall be shipped completely assembled and ready to install and include mounting instructions. Each booster reel shall come with the solenoid, switch and circuit breaker as standard at no additional charge and be covered by a 5 year warranty, including the motor.

ERWC-15-10 15" Electric Rewind Cord Reel

An Akron Brass, Cord Reel item ERWC-15-10 15" electric rewind cord reel shall be provided. Each cord reel shall be equipped with a universal frame that will allow the 12 volt motor to be mounted in four different positions. The customer shall have the ability to move the motor from front to back or side to side without having to purchase extra parts. Each reel shall have the option to be ordered with a rear mount motor or can be changed to rear mount by using a conversion kit at a later date. Reels shall be manufactured by an ISO 9001 certified company. The hub shall easily be removed for ease of installation by removing the chain guards and four bolts that secure the hub to the frame. All metal parts, except for the electric motor and sprocket teeth, shall be powder painted red. All hardware shall be stainless steel. Each cord reel shall have disks with rolled edges to prevent sharp edges. Each cord reel shall include slip rings that are internally pre-wired with a 1' pigtail exiting the hub for ease of connections. The customer shall have their choice of a gang box for Power In connections mounted directly to the hub or use up to a 4' pigtail at no additional charge. Each cord reel shall be shipped completely assembled and ready to install and include mounting instructions. Each cord reel shall come with the solenoid, switch and circuit breaker as standard at no additional charge and be covered by a 5 year warranty, including the motor.

ERWH-15-10 Electric Rewind Hydraulic Reel

An Akron Brass, Cord Reel item ERWH-15-10 15" electric rewind hydraulic reel shall be provided. Each cord reel shall be equipped with a universal frame that will allow the 12 volt motor to be mounted in four different positions. The customer shall have the ability to move the motor from front to back or side to side without having to purchase extra parts. Each reel shall have the option to be ordered with a rear mount motor or can be changed to rear mount by using a conversion kit at a later date. Reels shall be manufactured by an ISO 9001 certified company. The hub shall easily be removed for ease of installation by removing the chain guards and four bolts that secure the hub to the frame. All metal parts, except for the electric motor and sprocket teeth, shall be powder painted red or silver at no additional charge. All hardware shall be stainless steel. Each cord reel shall have disks with rolled edges to prevent sharp edges. Each cord reel shall include a 1/2" NPT swivel with female threads on the inlet and -4 JIC swivel with male threads on the outlet. Each reel shall have a capacity of holding 100' of 1/4" ID twin hydraulic hose plus the additional 10% per NFPA requirements. Each reel shall be rated at 10,500 psi with a 2:1 safety factor. Each cord reel shall be shipped completely assembled and ready to install and include mounting instructions. Each cord reel shall come with the solenoid, switch and circuit breaker as standard at no additional charge and be covered by a 5 year warranty, including the motor.

Monitors:

3419 Apollo Portable Electric Monitor

An Akron Brass 1250gpm rated electric monitor, item 34190001, with a single waterway and lightweight Pyrolite construction shall be provided. The monitor shall have cast-in turning vanes in each elbow and fully enclosed motors and gears with permanently attached manual overrides for both horizontal and vertical rotation. The horizontal and vertical motors shall be capable of being operated simultaneously. The monitor shall not to exceed 13" high and 15" wide. The monitor shall have elevation control from 75° above to 20° below horizontal with an elevation safety stop at 35° above horizontal. The monitor shall have a rotation range of 355° when installed on the truck mount flange and 180° when installed on the portable ground base (dual inlet or single inlet). The portable ground base shall have folding legs that do not require a locking mechanism to stay in place. The portable ground base shall have five carbide tipped spikes and permanently attached safety chain. The monitor shall be capable of flowing up to 1250 gpm when attached to the truck mount flange, up to 1000 gpm when attached to the single inlet portable ground base, or 800 gpm when attached to the dual inlet portable ground base. The control system shall include a sealed enclosure and connectors to resist water intrusion. The control system shall be compatible with 12 or 24 volt systems. The control system shall use an on board battery power source that can be removed without tools to facilitate quick changes from a depleted battery to a charged battery. The control system shall connect to vehicle power through a single, two pin connector that supplies both battery charging current and monitor operation current. The monitor shall be capable of being controlled wirelessly or through a control area network (CAN) control station. Each control station shall control the vertical and horizontal rotation of the monitor, the pattern of the nozzle, and automatic oscillation.

Monitor Weight (Less Nozzle): 45 lbs (20.45 kg)

Ground Base Weight:

Single Inlet – 38 1/2 lbs. (17.5 kg.)

Dual Inlet – 32 lbs. (14.5 kg)

Specifications

911 Ozzie™ Oscillating Monitor

Portable Oscillating Monitor with a water-driven motor for unaided operation. The unit shall have a flow capability of 375 gpm with a single 2 1/2" swivel inlet. The unit shall also have up to a 60° sweep span and a minimum 40° sweep per minute speed at rated pressure. It shall be constructed of lightweight Pyrolite® for easy handling and the weight shall not exceed 29 lbs.

922 OzzieMaster™ Oscillating Monitor

Portable Oscillating Monitor with a water-driven motor for unaided operation. The unit shall be compatible with both the single and dual inlet Apollo Ground Bases. The unit shall flow 1000 gpm with the Apollo Single Inlet Ground Base and 750 gpm with the Apollo Dual Inlet Ground Base and the direct mount flange. The unit shall also have up to 50° sweep span. It shall be constructed of lightweight Pyrolite® for easy handling and the weight shall not exceed 28 lbs.

1494 Electric Ladder Pipe

The 1000gpm rated monitor shall be constructed of lightweight Pyrolite and weigh not more than 35lbs. The monitor shall be 36" in length and have a elevation range of 135° with three adjustable stops. The monitor shall have a fully enclosed motor and gears with manual over-ride for the elevation axis. The logic box shall include coated, solid state components to resist water corrosion. Each control box shall control the vertical rotation of the monitor along with the pattern of the nozzle, and the lower control box will override the upper control box when operated simultaneously. The ladder pipe shall have mounting clamps that are adjustable to fit up to 16" rung spacing.

3356 Trident High Flow Electric Monitor

The 2000gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite®. The monitor shall have a 4", 150lb. inlet flange and a 3.5" NH threaded outlet elbow, or optional integrated dual flow aspirated or non-aspirated nozzle. Each elbow shall have cast-in turning vanes and the friction loss at full flow shall not exceed 29psi. The monitor shall have fully enclosed motor and gears with spring loaded, hand wheel operated manual overrides for both horizontal and vertical rotation. The manual override hand wheels shall not spin during normal monitor operation. The maximum vertical elevation shall be 100° of travel from 70° above horizontal to 30° below horizontal and can be adjusted to 45° above and 10° below horizontal with optional hard stops. The elevation elbow shall incorporate a gas strut for supporting large aspirating foam nozzles. The maximum horizontal rotation shall be 355° and may be adjusted to 270° or 180° with optional hard stops. Both the vertical and horizontal elbows shall have single turn position feedback sensors that will provide fully programmable soft limits between the hard stop settings. The monitor shall have a one-touch, programmable automatic stow and deploy function. The monitor shall have fully programmable automatic oscillation for the horizontal axis. The monitor shall have programmable obstacle avoidance with both manual and automatic operation modes. The monitor shall use the style 6032 universal II control system logic box. The logic box shall have two multi-pin connectors, one for the monitor interface and one for the vehicle interface and have an IP65 rated enclosure with pressure equalization device. The control system shall be capable of operating on 12 or 24 volt dc systems without extra devices, i.e. voltage converters. The control system shall be capable of communicating over the Controller Area Network (CAN) bus to vehicle mounted peripheral control devices. The weight of the monitor shall be 70lbs. less nozzle.

3406 Electric Riser for DeckMaster

The electric riser shall be of three piece telescoping design to reduce required mounting space to an overall length of 18 1/2". The telescoping waterway shall be 3" diameter and constructed of hard anodized aluminum extrusion with grease fittings and positive stops. The riser will provide 12 inches of extension. The electric riser control system shall communicate to the electric monitor control system, so that it can be integrated into the stow/deploy function of the monitor. The electric riser control system shall use back EMF sensing and current limiting technology to control the drive system.

3421 Apollo™ Dual Inlet Portable

3423 Apollo™ Dual Inlet Portable and Deck Monitor

Portable ground base monitor with two 2 1/2" or 3" clappered swivel inlets. The base will have folding legs with no locking mechanism required to keep legs in place. The monitor shall have handwheel elevation control from 90° above to 15° below horizontal with an elevation safety stop at 35° above horizontal; 360° continuous rotation when in the deck mode flowing 1250 gpm and 180° in the portable mode flowing 800 gpm; horizontal locking mechanism and stops to prevent accidental over-rotation; a full 3" waterway with cast-in turning vanes in each elbow. A 3" NPT & 3" flange combination deck mount shall be supplied (3423 only). The monitor shall also include a pressure gauge, carry handle, grease fittings, safety chain, hardened steel ground spikes and Pyrolite® construction. Deck height not to exceed 12", base weight: 32 lbs., liftoff weight: 23 lbs.

3414 Apollo™ Dual Inlet Portable

3416 Apollo™ Dual Inlet Portable and Deck Monitor

Portable ground base monitor same as the 3421/3423 Apollo Dual Inlet, except specify inlet as a single 4", 4 1/2", or 5" thread or 4" or 5" storz, and gpm flow in the portable mode is 1000 gpm. Deck height not to exceed 12", base weight 38 1/2 lbs., liftoff weight: 23 lbs.

3433 Apollo™ Hi-Riser™ Dual Inlet Portable and Deck Monitor

Portable ground base monitor with two 2 1/2" or 3" clappered swivel inlets. Base shall have folding legs with no locking mechanism required to keep legs in place. The monitor shall have handwheel elevation control from 90° above to 45° below horizontal with an elevation safety stop 35° above horizontal; 360° continuous rotation in the deck mode flowing 1250 gpm and 180° in the portable mode flowing 800 gpm; horizontal locking mechanism and stops to prevent accidental over-rotation; a full 3" waterway with cast-in turning vanes in each elbow and a 3" direct mount flange. While in the deck mode, the unit must have the ability to pivot to a position 24" above the base of the flange. The monitor shall also include a pressure gauge, carry handle, grease fittings, safety chain, hardened steel ground spikes and Pyrolite construction. Deck mount not to exceed 15 1/4" in the stowed position. Liftoff weight: 31 lbs. base weight: 32 lbs.

3431 Apollo™ Hi-Riser™ Single Inlet Portable and Deck Monitor

Portable ground base monitor same as the Style 3433 Apollo Hi-Riser, except specify inlet as a single 4", 4 1/2", or 5" thread or 4" or 5" storz, and gpm flow in the portable mode is 1000 gpm. Base weight 38 1/2 lbs

3425 Aries Monitor

The 1250gpm rated monitor shall be made of lightweight Pyrolite construction and have a 3" single waterway. All elbows shall have cast-in turning vanes. A single hand wheel for elevation control from 60° below to 90° above horizontal and a horizontal travel to be 360° with a twist lock brake. Monitor shall have a 3" 150 lb flange inlet and 2.5" NH threaded outlet.

3430 GP Manual Monitor

The 1000 gpm rated monitor shall have a DN80 or 3" ANSI flanged inlet 2.5" waterway with a 2.5" NH discharge outlet. The discharge outlet shall have a built in stream shaper element. The vertical and horizontal travel locks shall incorporate round manual knobs. A "T" handle tiller bar shall be provided for vertical and horizontal position adjustment. Enhanced, compact design provides for less tip weight which translates to lower handle operating force. The monitor height shall not exceed 14-7/16" from the flange to the top of the outlet elbow (less nozzle) when in the vertical position. All elbows shall have cast-in turning vanes. The monitor shall have a vertical travel of 135° and horizontal travel of 360°.



3440 DeckMaster™ Electric Monitor

The 1250 gpm rated monitor is to be an all electric single waterway monitor with automated elevating capability, 3" 150 pound flange inlet, 2 1/2" NH threaded outlet, cast-in turning vanes in each elbow, constructed of lightweight Pyrolite. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual override for horizontal, vertical, and elevation rotation. Each manual override will have a non-captive crank with a clip bracket on the monitor for storage. The monitor is not to exceed, 17" high, 16 3/4" wide, and 17" deep in the stowed position. The center of the waterway will elevate to a height of 24" above the base of the flange. The outlet shall have a vertical rotation of 45° below horizontal to 90° above horizontal and 344° of horizontal rotation will be achievable with adjustable stops. The electronic control system shall include two multi-pin connectors for the monitor and apparatus interface and have an IP65 rated enclosure with pressure equalization device. The electronic control system shall be capable of communicating on the J1939 CAN bus system and have nine digital inputs and three digital outputs that can be used for monitor control. The electronic control system shall have a bi stable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.

3443 Mercury Quick Attack Monitor

The 500 gpm portable monitor shall be a lightweight, compact size, quick attack monitor. It shall have a 2 1/2" inlet with a full time swivel and a 2 1/2" outlet. The monitor should weigh no more than 14 lbs less the nozzle, and have dimensional layout of 9"H x 14.5"L x 23.5"W (deployed). The legs shall fold away to reduce the width down to 7.75". The monitor shall have +20° of rotation and 60° to 30° elevation range for unmanned use. The handle shall consist of a spring-loaded mechanism that lets the user travel down to 20° of elevation for manned use. The legs shall have a T design and have carbide tip spikes. The monitor shall have a safety strap and hook that is mounted to the monitor and can be hooked to itself to be used as a carrying strap. The monitor shall have an unobstructed waterway with a friction loss no more than 8psi at full flow. It shall have a Ball shut-off valve with the Akron Tork-Lok mechanism. The material shall be of Pyrolite construction with the Akro-Tec coating and chrome trim. The outlet shall have a reflective band for night visibility.

3446 MercuryMaster1000 Monitor

The 1000gpm portable monitor shall be a lightweight, compact size monitor. It shall have a single inlet with 5" NH swivels with a 2 1/2" NH outlet. The monitor should weigh no more than 24lbs less the nozzle, and have dimensional layout of 9 3/4"H x 21"L x 25"W (deployed). The legs shall fold away to reduce the width down to 12 1/2". The monitor shall have 120° of rotation and 60° to 30° elevation range for unmanned use. The legs shall have a T design and have carbide tip spikes. The monitor shall have a safety strap and hook that is mounted to the monitor and can be hooked to itself to be used as a carrying strap. The monitor shall have an unobstructed waterway with a friction loss no more than 12psi at full flow. It shall have a Ball shut-off valve with the gear actuator mechanism. The material shall be of Pyrolite construction with the Akro-Tec coating and chrome trim. The outlet shall have a reflective band for night visibility and an integrated stream shaper better stream performance.

3450 Ultra-High Pressure Monitor

The 300gpm rated monitor shall be an all electric single waterway monitor constructed of stainless steel. The monitor shall have a 2" NPT inlet and a 1 1/2" NH outlet. The monitor shall have fully enclosed 12 or 24 volt motors. Each joint shall be ball bearing free and have a maximum pressure rating of 1500psi. The monitor shall not to exceed 11 9/32"H x 15 25/32"W x 11 1/2"L. The vertical travel shall be from 30° below to 75° above horizontal and the horizontal rotation shall be 180°. Each control box shall control the vertical and horizontal rotation of the monitor. The travel speed for each joint shall be 20°/sec. The monitor shall have horizontal position feedback and the option for a programmable stow position, auto oscillation, and control of valve operation. The monitor shall use the style 6032 universal II control system logic box. The logic box shall have two multi-pin connectors, one for the monitor interface and one for the vehicle interface and have an IP65 rated enclosure with pressure equalization device. The control system shall be capable of operating on 12 or 24 volt dc systems without extra devices, i.e. voltage converters. The control system shall be capable of communicating over the Controller Area Network (CAN) bus to vehicle mounted peripheral control devices. The weight of the monitor shall be 61lbs. less nozzle.

3462 Forestry Bumper Monitor

The 300gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite. The monitor shall have cast-in turning vanes in each elbow. The monitor shall have fully enclosed motors and gears with manual overrides for both horizontal and vertical rotation and may be operated simultaneously. The monitor is not to exceed 13 3/16" high and 11 9/16" wide. The vertical travel shall be from 45° below to 90° above horizontal with adjustable stops at -20° and +45°. The horizontal rotation shall be 320° with adjustable stops at 1190°. The control system electronics shall be integrated with the monitor wiring harness. The control system shall use sealed, locking connectors for the monitor and nozzle motors. Two additional sealed, locking connectors shall be supplied for input power/electric valve control and J1939 CAN bus interface. A sealed USB connector shall be provided for updating control system firmware. All electrical connectors shall be minimum IP65 rated. The operator interface shall consist of a CAN bus compatible joystick which will provide up, down, right, left, fog, and stream control of the monitor. The joystick shall have a trigger switch to control an optional electric discharge valve. The monitor shall include a 5' long power/valve harness and 20' long CAN joystick harness.

3463 FireFox™ Electric Remote Controlled Monitor

The 500 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite with a 2" or 2 1/2" NPT inlet with an options for a 2" NPT quick disconnect inlet, 1 1/2" flange, or 3" flange. The monitor shall have a 1 1/2" outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motor and gears with manual overrides for both horizontal and vertical rotation and may be operated simultaneously. The monitor is not to exceed 11 3/4" high and 11 1/2" wide. The vertical travel shall be from 45° below to 90° above horizontal with adjustable stops at -20° and +45°. The horizontal rotation shall be 320° with adjustable stops at +- 90°. The electronic control system shall include two multi-pin connectors for the monitor and apparatus interface and have an IP65 rated enclosure with pressure equalization device. The electronic control system shall be capable of communicating on the J1939 CAN bus system and have nine digital inputs and three digital outputs that can be used for monitor control. The electronic control system shall have a bi stable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using a joystick, toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.



Specifications

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3470 Gemini™ Manual Monitor

A split waterway deck pipe with two handwheel controls. Unit shall have gear operated horizontal travel of 360°. Friction loss not to exceed 10 psi at 1000 gpm. Constructed of lightweight Pyrolite. Height not to exceed 17" with NPT inlet and width not to exceed 10 1/4". To be equipped with pressure gauge and gauge guard and 2 1/2" male thread discharge.

3471 Gemini Brass Manual Monitor

Change Style 3470 specifications from Pyrolite to brass.

3479 Gemini Electric Monitor

The 1000gpm rated monitor is to be an all electric split waterway monitor constructed of lightweight Pyrolite with a 150-pound flange or NPT threaded inlet shall be provided. The outlet shall be a 2.5" threaded outlet with cast-in turning vanes in each elbow and friction loss not to exceed 10 psi at 1000 gpm and also equipped with a pressure gauge. The monitor shall have fully enclosed motors and gears with manual overrides for both horizontal and vertical rotation. The manual overrides shall have captive cranks, one for horizontal and one for vertical rotation, and may be used simultaneously. The monitor is not to exceed 20" high and 13 1/4" wide. The outlet vertical rotation shall be from 45° below to 90° above horizontal with adjustable stops. The adjustable horizontal rotation stops shall be preset at 90° left and right of center and a rotation of 348° shall be possible. The electronic control system shall include two multi-pin connectors for the monitor and apparatus interface and have an IP65 rated enclosure with pressure equalization device. The electronic control system shall be capable of communicating on the J1939 CAN bus system and have nine digital inputs and three digital outputs that can be used for monitor control. The electronic control system shall have a bistable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.

3481 StreamMaster™ II Manual Monitor

The 2000 gpm rated monitor is to be a manually operated single waterway monitor constructed of lightweight Pyrolite. The monitor shall have a 4" (100 mm), 150 lbs. flanged inlet and 3-1/2" (89 mm) NH outlet. The monitor shall have cast-in turning vanes in each elbow. The monitor shall have permanently mounted handwheels for both horizontal and vertical rotation. The monitor is not to exceed 17-1/2" (446 mm) high and 10-3/4" (273 mm) wide. The vertical travel shall be from 45° below to 90° above horizontal with adjustable stops at -15° and +45°. The horizontal rotation shall be 360° with physical stops at ±45°, ±90°, ±135° and at ±157°.

3483 StreamMaster™ II Manual Monitor

The 1500 gpm (5700 lpm) rated monitor is to be a manually operated single waterway monitor constructed of lightweight Pyrolite. The monitor shall have a 3", 150lb flanged inlet and 2-1/2" NH outlet. The monitor shall have cast-in turning vanes in each elbow. The monitor shall have permanently mounted handwheels for both horizontal and vertical rotation. The monitor is not to exceed 17-1/2" (446mm) high and 10-1/2" (267mm) wide. The vertical travel shall be from 45° below to 90° above horizontal with adjustable stops at -15° and +45°. The horizontal rotation shall be 360° with physical stops at ±45°, ±90°, ±135° and at ±157°.

3480 StreamMaster™ II Electric Monitor

The 2000 gpm (7600 lpm) rated monitor is to be an all-electric, single waterway monitor constructed of lightweight Pyrolite. The monitor shall have a 4" (100 mm), 150lb flanged inlet and 3-1/2" (89 mm) NH outlet. The monitor shall have cast-in turning vanes in each elbow. The monitor shall have fully enclosed motors and gears with manual overrides for both horizontal and vertical rotation and may be operated simultaneously. The monitor is not to exceed 15" (381 mm) high and 11-5/8" (295 mm) wide. The vertical travel shall be from 45° below to 120° above horizontal with adjustable stops at -15°, +45° and +90°. The horizontal rotation shall be 355° with physical stops at ±45°, ±90°, ±135° and at ±157°. The monitor shall have absolute position feedback to provide programmable soft stops anywhere within the physical travel range. The control system shall also provide programmable oscillation and obstacle avoidance functions. The electronic control system shall be attached to the inlet base of the monitor and be totally encapsulated to prevent moisture intrusion and use locking IP 67 rated electrical connectors for all motor control outputs and control inputs. The control system shall have one environmentally sealed USB port to facilitate control system updates. The control system shall receive commands from J1939 CAN network control devices to control elevation, rotation, nozzle pattern, and electric valve open/close. The control system shall have a built in wireless transceiver to facilitate operation from wireless remote control devices.

3482 StreamMaster™ II Electric Monitor

The 1500 gpm (5700 lpm) rated monitor is to be an all-electric, single waterway monitor constructed of lightweight Pyrolite. The monitor shall have a 3" (75 mm), 150lb flanged inlet and 2-1/2" (65 mm) NH outlet. The monitor shall have cast-in turning vanes in each elbow. The monitor shall have fully enclosed motors and gears with manual overrides for both horizontal and vertical rotation and may be operated simultaneously. The monitor is not to exceed 15" (381 mm) high and 11-5/8" (295 mm) wide. The vertical travel shall be from 45° below to 120° above horizontal with adjustable stops at -15°, +45° and +90°. The horizontal rotation shall be 355° with physical stops at ±45°, ±90°, ±135° and at ±157°. The monitor shall have absolute position feedback to provide programmable soft stops anywhere within the physical travel range. The control system shall also provide programmable oscillation and obstacle avoidance functions. The electronic control system shall be attached to the inlet base of the monitor and be totally encapsulated to prevent moisture intrusion and use locking IP 67 rated electrical connectors for all motor control outputs and control inputs. The control system shall have one environmentally sealed USB port to facilitate control system updates. The control system shall receive commands from J1939 CAN network control devices to control elevation, rotation, nozzle pattern, and electric valve open/close. The control system shall have a built in wireless transceiver to facilitate operation from wireless remote control devices.

3491 Severe-Duty Monitor

The 750gpm rated monitor shall be an all electric single waterway monitor constructed of stainless steel. The Severe-Duty monitor shall have a 2 1/2" NPT inlet and a 2 1/2" NH outlet. The monitor shall have fully enclosed 24 volt or hydraulic motors. Each joint shall be ball bearing free and have a maximum pressure rating of 200psi. The monitor shall not to exceed 10"H x 10 1/2"W x 13 5/32"D. The vertical travel shall be from 65° below to 90° above horizontal and the horizontal rotation shall be 320°. Each control box shall control the vertical and horizontal rotation of the monitor. The travel speed for each joint shall be 20°/sec. The monitor shall have the option for a programmable stow position, auto oscillation, and control of valve operation.



3522 Omega XPV-SPL Monitor

The 1250gpm rated monitor shall have a 4" flange waterway with a 2.5" NH discharge outlet and be of brass construction. The vertical and horizontal travel locks shall incorporate an off center stainless steel "T" brake handles and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. The monitor shall have an integrated heavy duty 3" ball valve between the inlet flange and monitor waterway. The valve shall have a stainless steel ball and extended length operating handle. The valve handle travel shall be no more than 90° from the valve fully closed to valve fully open position. The elevation and rotation joints shall have additional internal and external environmental seals. The brake handles and valve handle shall have additional internal environmental seals. The monitor shall be finished with a two part urethane paint for corrosion and UV resistance. The monitor shall have a vertical travel of 135° and horizontal travel of 360° with an operating pressure of 200 psi.

3523 Omega XPV Monitor

The 1250gpm rated monitor shall have a 4" flange waterway with a 2.5" NH discharge outlet and be of brass construction. The vertical and horizontal travel locks shall incorporate an off center brake handle and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. The monitor shall have an integrated heavy duty 3" ball valve between the inlet flange and monitor waterway. The valve shall have a stainless steel ball and operation handle. The valve handle travel shall be no more than 90° from the valve fully closed to valve fully open position. The monitor shall have a vertical travel of 135° and horizontal travel of 360° with an operating pressure of 200 psi.

3525 Brass Aries™ Monitor

The 1250gpm rated monitor shall have a 3" single waterway. All elbows shall have cast-in turning vanes. Single hand wheel for elevation control from 60° below to 90° above horizontal. Horizontal travel to be 360° with a twist lock. 3" or 4" 150 lbs. flange inlet and 2 1/2" NH outlet. The monitor shall have "U" port for an optional drain valve.

3526 3" Omega™ Monitor

Single waterway brass monitor with friction loss not to exceed 10 psi at 800 gpm. Monitor to be all brass construction with 3" waterway and 2 1/2" male discharge. The vertical travel lock shall incorporate a friction lock within the swivel joint. All elbows shall have cast-in turning vanes. Monitor shall have a vertical travel of 150° and horizontal travel of 360°.

3528 OMEGA XP MONITOR

The 1250gpm rated monitor shall have a 3" flange waterway with a 2.5" NH discharge outlet and be of brass construction. The vertical and horizontal travel locks shall incorporate an off center brake handle and full contact brake band within the swivel joint. All elbows shall have cast-in turning vanes. The monitor shall have a vertical travel of 135° and horizontal travel of 360°.

3578 StreamMaster™ Electric Monitor

The 2000 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite with a 4", 150 pound flange inlet and 3 1/2" NH thread outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motors and gears with manual overrides for both horizontal and vertical rotation. The manual overrides shall have captive cranks, one for horizontal and one for vertical rotation, and may be used simultaneously. The monitor is not to exceed 16 1/4" high and 12 1/4" wide. The outlet vertical rotation shall be from 45° below to 90° above horizontal with adjustable stops. The adjustable horizontal rotation stops shall be preset at 90° left and right of center and a rotation of 348° shall be possible. The electronic control system shall have a bi stable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.

3598 StreamMaster™ XT Electric Monitor

The 2000 gpm rated monitor is to be an all electric single waterway monitor constructed of lightweight Pyrolite with a 4", 150 pound flange inlet and 3 1/2" NH thread outlet with cast-in turning vanes in each elbow. The monitor shall have fully enclosed 12 or 24 volt motors and gears with manual overrides for both horizontal and vertical rotation. The manual overrides shall have captive cranks, one for horizontal and one for vertical rotation, and may be used simultaneously. The monitor is not to exceed 16 1/4" high and 12 1/4" wide. The outlet vertical rotation shall be from 45° below to 120° above horizontal with adjustable stops. The adjustable horizontal rotation stops shall be preset at 90° left and right of center and a rotation of 348° shall be possible. The electronic control system shall have a bi stable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.

3580 Renegade™ Electric Monitor

The 5000 gpm rated monitor is to be an all electric dual water way monitor constructed of lightweight Pyrolite with an 8", 150 lbs flange inlet and a 6", 150 lbs flange or 6" Storz outlet. Each elbow shall have cast-in turning vanes and the friction loss at full flow shall not exceed 27lbs. The monitor shall have fully enclosed 12 or 24volt motors and gears with manual overrides for both horizontal and vertical rotation. The current draw for each motor shall not exceed 3 amps while flowing. The monitor shall be able to orientate the middle elbow in three positions 90°, 45° & 22.5°. The outlet vertical rotation shall be from 45° below to 90° above horizontal. The horizontal rotation shall be 340° and may be adjusted to + 20° from center. Each axis shall have potentiometer for positioning feed back and the weight of the monitor shall be less than 150 lbs. The electronic control system shall have a bi stable electro-mechanical relay provision for a second deployed indicator light in the apparatus cab. Each operator interface shall control the vertical and horizontal position of the monitor, and the pattern of the nozzle using toggle switches or membrane type push buttons. The operator interface will also have a toggle switch or membrane type push buttons to command the monitor into a user programmed stowed or deployed position. The operator interface shall have an LED light or alphanumeric display to indicate when the monitor is deployed and provide codes for system diagnostics.



Specifications

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3671 Conquest Manual Monitor

Heavy duty cast brass monitor shall have a 4" internal diameter single waterway with flow rates to 2000 gpm. Manual positioning shall be with two hand wheels (one for rotation and one for elevation) through a sealed, enclosed gearbox that uses a worm gear drive to hold set positions. Rotation is 360°, elevation is 90° above and -85° below horizontal. Water inlet shall be a 4" 150 lbs. flange mount, discharge is 3 1/2" NH thread. Elbows shall contain built in turning vanes. Rotational joints shall be ball bearing journal and have grease fittings.

3690 Storm Manual Monitor

Heavy duty cast brass monitor shall have a 5" internal diameter single waterway with flow rates to 2000 gpm. Manual positioning shall be with two hand wheels (one for elevation and one for vertical) through a sealed, enclosed gearbox that uses a worm gear drive to hold set positions. Rotation is 360°; elevation is 85° above and -45° below horizontal. Water inlet shall be a 4" 150lbs. flange mount, discharge is 4" or 3 1/2" NH thread. Elbows shall contain built in turning vanes. Rotational joints shall be ball bearing journal and have grease fittings.

Weldon Vehicular Lighting & Electrical Control

6000 V-MUX® Input/Output Node

Weldon V-MUX style 6000 Input/Output "Hercules" Nodes shall be provided for the multiplexed electrical system; with a durable extruded aluminum enclosure, sealed Deutsch connectors, (16) switch inputs, (3) analog sensor inputs, (26) output channels, dual A & B communication ports, and built in LED status indicators. The Hercules node shall be capable of carrying up to 120 amps of load at high temperatures, be field programmable, and support complete on-board diagnostics. [Item #6000-0000-04]

6010 V-MUX® Input/Output Mini Node

Weldon V-MUX style 6010 Input/Output "Mini" Nodes shall be provided for the multiplexed electrical system; with a durable Deutsch enclosure, sealed Deutsch connectors, (4) switch inputs, (1) analog sensor input, (12) output channels, dual A & B communication ports, and built in LED status indicators. The Mini node shall be capable of carrying up to 55 amps of load at high temperatures, be field programmable, and support complete on-board diagnostics. [Item #6010-0000-00]

6020 V-MUX® Input Node

Weldon V-MUX style 6020 "Input expansion" Nodes shall be provided for the multiplexed electrical system; with a durable Deutsch enclosure, sealed Deutsch connectors, (16) switch inputs, dual A & B communication ports, and built in LED status indicators. The Input expansion Node shall be field programmable. [Item #6020-0000-00]

6030 V-MUX® Input/Output Node

Weldon V-MUX style 6030 "8x16" Nodes shall be provided for the multiplexed electrical system; with a durable extruded aluminum enclosure, sealed Deutsch connectors, (8) switch inputs, (2) analog sensor inputs, (16) output channels, dual A & B communication ports, and built in LED indicators. The 8x16 Node shall be capable of carrying up to 80 Amps of load at high temperatures, be field programmable, and support complete on-board diagnostics. [Item #6030-0000-00]

6231 V-MUX® VISTA III

Weldon V-MUX style 6231 "Vista III" Nodes shall be provided as color display interfaces for the multiplexed electrical system; to indicate real-time status of doors, seats, sensors, and other components of the vehicle. The menu oriented displays shall allow the user to control interior and exterior vehicle lights, interior HVAC, system Diagnostics, engine High Idle, among other multiplexed functions. The Vista III shall support vehicle cameras, GPS display, and DVD video, through use of three NTSC-format video plug-in channels. The Vista III display shall have the ability to automatically change screens based on vehicle state so as to show warning message or status. Messages will be displayed in a variety of text fonts and color graphics. Device controls will be accessed by means of seven fixed buttons using a custom label and eight screen-based menu-driven buttons. The Vista III will support both flush surface mounting or 6" and 9" Pana Vise™ riser-mount options. [Item #6231-xxxx-xx: exact part number will be based on particular configuration.]

ON30-2390-00 V-MUX® VISTA III Touch Screen

Weldon V-MUX style ON30-2390-xx "Touch screen Vista" Nodes shall be provided as touchable interactive color display interfaces for the multiplexed electrical system; to indicate real-time status of doors, seats, sensors, and other components of the vehicle. The menu oriented touch interface shall allow the user to control interior and exterior vehicle lights, interior HVAC, system Diagnostics, engine High Idle, among other multiplexed functions. The Touch screen Vista shall support vehicle cameras, GPS navigation, and DVD video, through use of four NTSC-format video channels. The Touch screen Vista display shall have the ability to automatically change screens based on vehicle state so as to show warning message or status. Messages will be displayed in a variety of text fonts and color graphics. Device controls will be nominally screen based, but with an option to combine the interface with style 6311 PODS Button Modules. [Item #ON30-2391-00 (Touch screen, flush mount), #On30-2392-00 (Touch screen, surface mount)]

6241 V-MUX® Vista IV

Weldon V-MUX style 6241 "Vista IV" Nodes shall be provided as color display interfaces for the multiplexed electrical system; to indicate real-time status of doors, seats, sensors, and other components of the vehicle. The menu oriented displays shall allow the user to control interior and exterior vehicle lights, interior HVAC, system Diagnostics, engine High Idle, among other multiplexed functions. The Vista III shall support vehicle cameras, GPS display, and DVD video, through use of four NTSC-format video plug-in channels. The Vista display shall have the ability to automatically change screens based on vehicle state so as to show warning message or status. Messages will be displayed in a variety of text fonts and color graphics. Device controls will be accessed by means of seven fixed buttons using a custom label and eight screen-based menu-driven buttons. The Vista will support both flush surface mounting or 6" and 9" Pana Vise™ riser-mount options. [Item #6241-xxxx-xx: exact part number will be based on particular configuration.]

6300 V-MUX® Programmable On Demand Switches (PODS)

A Weldon V-MUX style 6310 "PODS" Controller with 6311 Button Modules shall be provided so as to support up to 64 programmable buttons which communicate along an expandable daisy-chaining serial link. The PODS Controller and Button Modules shall have built-in LED status indicators and be field programmable. [Item #6310-0000-24 (PODS Controller), #6311-0400-00 (4-button module), #6311-0300-00 (3-button module)]

6400 V-MUX® CAN Gateway Module

A Weldon style 6400 V-MUX "Gateway" Node shall be provided for multiplexed CAN/J-1939 communications; with a durable Deutsch enclosure, sealed Deutsch connectors, and built in LED status indicators. The 6400 series Gateway Node shall be field programmable. [Item #6400-0000-01]



6444-0000-00 Vehicle Data Recorder (VDR)

An Akron Brass or Weldon Style 6444 "Vehicle Data Recorder" (VDR) shall be provided so as to record all NFPA 1901 required information for up to 100 hours of live vehicle operation. The VDR will also record service brake status in addition to NFPA required items. A USB connection will be used to retrieve the recorded data. The VDR shall be capable of independent operation on hard-wired or J1939 systems as well as interfacing with a Weldon V-MUX multiplexed electrical system [Item #6444-0000-00]

6204-0000-00 Occupant Restraint Indicator

An Akron Brass or Weldon style 6204 "Occupant Restraint Indicator" (ORI) shall be provided so as to visually display NFPA 1901 required status of up to 12 seats in real-time with an audible safety alarm. The ORI will operate as an attached device to an installed Akron Brass or Weldon style 6444 Vehicle Data Recorder. [Item #6204-0000-01]
STYLE 6120 V-MUX® MODEM TRANSCEIVER
 A Weldon style 6120 "Modem Transceiver" shall be provided so as to allow for remote Diagnostics sessions over a standard telephone line. The Modem Transceiver should have status and modem connection LED indicators. The modem indicator LED should be solid orange when connected and blink when transmitting and receiving data. The Modem Transceiver should function from 9 to 32v. [Item #6120-0000-00]

6500 V-MUX® Camera

A Weldon V-MUX Style 6500 Camera Kit shall be provided, rear view with a bracket.[Item 6500-0000-00]

6550 V-MUX® GPS Navigation Unit

A Weldon V-MUX style 6550 GPS Navigation Unit. The GPS unit will provide an output for an optional speaker set-up to support audible navigation prompts. GPS Unit maps will be preloaded and updateable via compact flash card. There shall be an SD card slot to load custom points of interest, additional map data, and future software updates. [Item #6550-0000-00]

0N70 V-MUX® Climate Control Module

A Weldon V-MUX style 0N70-1519-xx "Climate Control Module" (CCM) shall be provided as a dedicated node specifically for climate control. The CCM will be able to control two fans, an AC Compressor, a condenser, an evaporator, switches, and other interlocks. This module is to be used with the V-MUX 6231 Vista III display node for a fully automated climate control system.
 [Item #0N70-1519-03 (Climate Controller, Fahrenheit) or 0N70-1519-04 (Climate Controller, Celsius)]

6160 D-TEK SYSTEM

A Weldon Style 6160 "D-TEK" wireless Transmitter/Base data system shall be provided as a vehicle preventive maintenance tool. The vehicle installed D-TEK 6161 Transmitter will automatically update a 6162 Base Unit attached to a central computer as to vehicle Engine Hours, Mileage, Fuel Used, Fuel Level, Tire Pressure, Oil Pressure, Oil Temperature, Coolant Temperature, and Battery Voltage. The 6160 D-TEK System will support Weldon D-Tek Tracker software that enables a fleet of vehicles to individually be tracked and logged.[Item# 6161-0000-00 (Vehicle installed D-TEK Transmitter), #6162-0000-00 (D-TEK Base Unit)]

Diamondback™ LED Perimeter Warning Lamp – 2" x 6"

Weldon Diamondback LED Perimeter Warning Lamp V26W Series shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from various angles. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. Lens colors shall be available in red, amber, blue, green, or clear (to specify) or alternatively, the Pure-Pattern™ optics can be specified with the same colors for a unique style and appearance. Two independently controlled LED segments or zones within each lamp head shall be provided and the flash patterns can be modified without disassembly of the light head. This process shall be done with a Windows CE device with an IrDA communications port or alternative approved wireless remote device. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with two screws and wire exit hole. The lamp shall be capable of 12 or 24 volt operations and there shall be a four-wire lamp hook-up. Designed to exceed NFPA, KKK, and SAE standards, the lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED warning lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Perimeter Warning Lamp – 3" x 4"

Weldon Diamondback LED Perimeter Warning Lamp V34W Series shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from various angles. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. Lens colors shall be available in red, amber, blue, green, or clear (to specify) or alternatively, the Pure-Pattern™ optics can be specified with the same colors for a unique style and appearance. Two independently controlled LED segments or zones within each lamp head shall be provided and the flash patterns can be modified without disassembly of the light head. This process shall be done with a Windows CE device with an IrDA communications port or alternative approved wireless remote device. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 or 24 volt operations and there shall be a four-wire lamp hook-up. Designed to exceed NFPA, KKK, and SAE standards, the lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED warning lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.



Specifications

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Diamondback™ LED Perimeter Warning Lamp – 3" X 7"

Weldon Diamondback LED Perimeter Warning Lamp V37W Series shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from various angles. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. Lens colors shall be available in red, amber, blue, green, or clear (to specify) or alternatively, the Pure-Pattern™ optics can be specified with the same colors for a unique style and appearance. Four independently controlled LED segments or zones within each lamp head shall be provided and the flash patterns can be modified without disassembly of the light head. This process shall be done with a Windows CE device with an IrDA communications port or alternative approved wireless remote device. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 or 24 volt operations and there shall be a four-wire lamp hook-up. Designed to exceed NFPA, KKK, and SAE standards, the lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED warning lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Perimeter Warning Lamp – 4" x 6"

Weldon Diamondback LED Perimeter Warning Lamp V46W Series shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from various angles. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. Lens colors shall be available in red, amber, blue, green, or clear (to specify) or alternatively, the Pure-Pattern™ optics can be specified with the same colors for a unique style and appearance. Four independently controlled LED segments or zones within each lamp head shall be provided and the flash patterns can be modified without disassembly of the light head. This process shall be done with a Windows CE device with an IrDA communications port or alternative approved wireless remote device. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 or 24 volt operations and there shall be a four-wire lamp hook-up. Designed to exceed NFPA, KKK, and SAE standards, the lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED warning lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Perimeter Warning Lamp – 7" x 9"

Weldon Diamondback LED Perimeter Warning Lamp V79W Series shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from various angles. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. Lens colors shall be available in red, amber, blue, green, or clear (to specify) or alternatively, the Pure-Pattern™ optics can be specified with the same colors for a unique style and appearance. Four independently controlled LED segments or zones within each lamp head shall be provided and the flash patterns can be modified without disassembly of the light head. This process shall be done with a Windows CE device with an IrDA communications port or alternative approved wireless remote device. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit

hole. The lamp shall be capable of 12 or 24 volt operations and there shall be a four-wire lamp hook-up. Designed to exceed NFPA, KKK, and SAE standards, the lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED warning lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Scene Lamp – 3" x 7"

Weldon Diamondback LED Scene Lamp V37S shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from 13 degrees down to 26 degrees down. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. The lens color shall be clear. The lamp shall emit a minimum of 600 lumens of white light. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 volt operation and there shall be a two-wire lamp hook-up. The lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED scene lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Scene Lamp – 4" X 6"

Weldon Diamondback LED Scene Lamp V46S shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from 13 degrees down to 26 degrees down. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. The lens color shall be clear. The lamp shall emit a minimum of 600 lumens of white light. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 volt operation and there shall be a two-wire lamp hook-up. The lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED scene lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.

Diamondback™ LED Scene Lamp – 7" x 9"

Weldon Diamondback LED Scene Lamp V79S shall be provided. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. Engineered Pure-Pattern™ optics shall be integral to the design for optimal light output from 13 degrees down to 26 degrees down. The lens cover shall be made from automotive quality high impact polycarbonate with scratch and haze resistant hard-coating for a superior, resilient finish. The lens color shall be clear. The lamp shall emit a minimum of 1,200 lumens of white light. The lamp shall have an injection molded mounting pad that is integrated with the lamp head and it shall have a flush mount design with four screws and wire exit hole. The lamp shall be capable of 12 volt operation and there shall be a two-wire lamp hook-up. The lamp shall be protected against reverse polarity, ESD, and transient voltage spikes (J1113-11) and it shall be fully tested for RF interference and susceptibility. The LED scene lamp shall have a 5-year warranty. An optional chrome-plated bezel may be provided and it shall have a durable automotive grade finish with excellent rugged brilliance.



9188-1524 AERO-MAXX® II Light Bar – 24"

A Weldon style 9188-1524 Aero-Maxx II LED Light Bar item shall be provided. The light bar can be configured with 3 forward facing, 3 rearward facing and 2 side facing LED light heads. The LED light head color(s) and location(s) are to be specified. The LED light heads shall be available in red, blue, amber or white. The intense LED light heads provide a wide output coverage area exceeding NFPA requirements. The light bar shall have a rugged aluminum chassis construction with impact resistant polycarbonate lenses. Slotted mounting bolt channels shall provide flexible mounting options. Available options include: halogen take-down and alley lights. An optional mounting kit may be provided to assist in mounting the light bar to the vehicle/apparatus. The LED light bar shall have a 5 year warranty on electrical components and a 2 year warranty on mechanical components.

9188-1549 AERO-MAXX® II Light Bar – 49"

A Weldon style 9188-1549 Aero-Maxx II LED Light Bar item shall be provided. The light bar can be configured with 8 forward facing, 8 rearward facing and 2 side facing LED light heads. The LED light head color(s) and location(s) are to be specified. The LED light heads shall be available in red, blue, amber or white. The intense LED light heads provide a wide output coverage area exceeding NFPA requirements. The light bar shall have a rugged aluminum chassis construction with impact resistant polycarbonate lenses. Slotted mounting bolt channels shall provide flexible mounting options. Available options include: halogen take-down and alley lights, amber LED traffic director and Opticom™ strobe tube. An optional mounting kit may be provided to assist in mounting the light bar to the vehicle/apparatus. The LED light bar shall have a 5 year warranty on electrical components and a 2 year warranty on mechanical components.

9188-1554 AERO-MAXX® II Light Bar – 54"

A Weldon style 9188-1554 Aero-Maxx II LED Light Bar item shall be provided. The light bar can be configured with 9 forward facing, 9 rearward facing and 2 side facing LED light heads. The LED light head color(s) and location(s) are to be specified. The LED light heads shall be available in red, blue, amber or white. The intense LED light heads provide a wide output coverage area exceeding NFPA requirements. The light bar shall have a rugged aluminum chassis construction with impact resistant polycarbonate lenses. Slotted mounting bolt channels shall provide flexible mounting options. Available options include: halogen take-down and alley lights, amber LED traffic director and Opticom™ strobe tube. An optional mounting kit may be provided to assist in mounting the light bar to the vehicle/apparatus. The LED light bar shall have a 5 year warranty on electrical components and a 2 year warranty on mechanical components.

9188-1559 AERO-MAXX® II Light Bar – 59"

A Weldon style 9188-1559 Aero-Maxx II LED Light Bar item shall be provided. The light bar can be configured with 10 forward facing, 10 rearward facing and 2 side facing LED light heads. The LED light head color(s) and location(s) are to be specified. The LED light heads shall be available in red, blue, amber or white. The intense LED light heads provide a wide output coverage area exceeding NFPA requirements. The light bar shall have a rugged aluminum chassis construction with impact resistant polycarbonate lenses. Slotted mounting bolt channels shall provide flexible mounting options. Available options include: halogen take-down and alley lights, amber LED traffic director and Opticom™ strobe tube. An optional mounting kit may be provided to assist in mounting the light bar to the vehicle/apparatus. The LED light bar shall have a 5 year warranty on electrical components and a 2 year warranty on mechanical components.

9188-1559 AERO-MAXX® II Light Bar – 72"

A Weldon style 9188-1572 Aero-Maxx II LED Light Bar item shall be provided. The light bar can be configured with 10 forward facing, 10 rearward facing and 2 side facing LED light heads. The LED light head color(s) and location(s) are to be specified. The LED light heads shall be available in red, blue, amber or white. The intense LED light heads provide a wide output coverage area exceeding NFPA requirements. The light bar shall have a rugged aluminum chassis construction with impact resistant polycarbonate lenses. Slotted mounting bolt channels shall provide flexible mounting options. Available options include: halogen take-down and alley lights, amber LED traffic director and Opticom™ strobe tube. An optional mounting kit may be provided to assist in mounting the light bar to the vehicle/apparatus. The LED light bar shall have a 5 year warranty on electrical components and a 2 year warranty on mechanical components.

8049 Series 8" LED Interior Dome Lamp

Weldon model 8049, 8" diameter LED interior dome light shall be provided. The LED dome light shall be available with white or red LEDs. When equipped with white LEDs, the LED dome light shall meet GSA-KKK illumination requirements at cot and floor when properly installed. The LED dome light shall have a stainless steel recessed housing. The stainless steel housing shall be available in plain or white powder coat finishes. The lamp shall draw 0.85 amps at 12 volts. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. The lamp shall have high and low intensity operation modes. The lamp shall have a field serviceable lens and carry a 5 year warranty.

8047-1000 Series 7" LED Interior Dome Lamp

Weldon model 8047-1000, 7" diameter LED interior dome light shall be provided. The LED dome light shall be available with white or red LEDs. When equipped with white LEDs, the LED dome light shall meet GSA-KKK illumination requirements at cot and floor when properly installed. The LED dome light shall be surface mounted with 4 screws. The lamp shall draw 0.85 amps at 12 volts. The LED components shall have a threaded design for maximum thermal efficiency and the capability for future upgrades or individual LED replacements as needed. The lamp shall have high and low intensity operation modes. The lamp shall have a field serviceable lens and carry a 5 year warranty.

8401 Series Door Warning Lamp

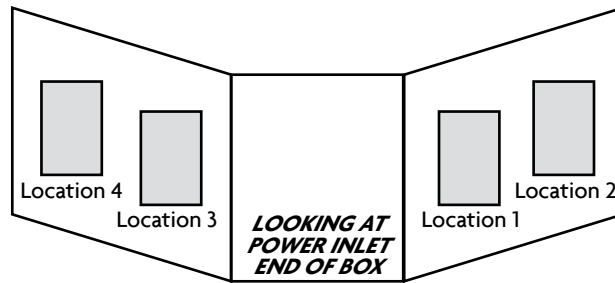
Weldon 8401 Series Door Warning Lamp shall be provided. The LED lamp is designed to mount on the interior of the apparatus door to direct traffic away from the apparatus when the door is open. The LED lamp shall contain a series of LEDs that provide a scrolling action indicating the direction of traffic movement. Specialized lens optics shall direct light effectively into the target area. The LED lamp shall mount with two screws and contain a molded rubber mounting gasket. The lamp shall carry a 5 year warranty.

1017 Series 7" LED Rear Signal Lighting

Weldon model 1017, 7" diameter LED rear signal lighting shall be provided. The LED lamp shall be available in stop/tail, amber turn and back-up functions. The lamp shall be certified to FMVSS 108 requirements. The lens shall be molded in acrylic (PMMA) and shall meet SAE J576 for protection against weather extremes. The lamp housing shall be aluminum to provide durable mounting and effectively remove heat from the LED and electronic components. The LED component shall have a threaded design for maximum thermal efficiency and the capability for LED replacement as needed. An inner lens shall be included to protect the electronic components from moisture. The lamp shall mount with 4 screws and have a mounting bolt pattern that follows industry standards. The lamp shall have a field serviceable lens and carry a 5 year warranty.



Junction Box Order Form



A) Specify the NEMA configuration of each receptacle by the "Location" number. See the back of this sheet for configurations:

Location 1 _____

Location 2 _____

Location 3 _____

Location 4 _____

A dual voltage Junction Box that has both 120 volt and 240 volt receptacles will always have four wires exiting the box. If a recessed flange inlet is desired instead of direct wiring please specify which four connector inlet you desire.

B) What "POWER INLET" configuration do you desire, **THE AMPERAGE OF YOUR POWER INLET DEVICE MUST BE THE SAME SIZE OR GREATER THAN THE SINGLE HIGHEST AMPERAGE RECEPTACLE:**

12" pigtail with strain relief and plug. Specify the plug's NEMA configuration number. Select from the back of this sheet. # _____

Recessed flanged inlet plug. Specify the inlet's NEMA configuration number. Select from the back of this sheet. # _____

Strain relief with bare wires exiting Junction Box. Ready for direct wiring to cord set and/or cord reel.

All plugs, connectors, receptacles and recessed flanged inlets must be UL Listed and grounded for your protection.

OPTIONAL ITEMS: Refer to current price sheet for additional pricing.

- EJB-GFI Household duplex receptacle. (Note: The GFCI receptacle will be wired first making all down stream receptacles being GFCI protected, or the GFCI can be wired last making it the only GFCI protected receptacle.)
- EJB-MT Apparatus mounting bracket set. A tapered mounting boss is located on one end of the box which fits into a PLMT spring loaded retaining bracket.
- EJB-VMT Vertical apparatus mounting bracket; specify powder painted aluminum or aluminum treadplate.
- EJB-HMT Horizontal apparatus mounting bracket; specify powder painted aluminum or aluminum treadplate.
- EJB-RF Four black rubber feet on bottom of The Junction Box.
- EJB-PP Powder painting The Junction Box; specify Yellow, Red, White or Black.
- BK-1-2-3-4 Circuit breakers with weatherproof snap cover; specify 15 or 20 amp. (Not available with EJB-MT).
- 134-CG One foot pigtail with a wire mesh cord grip; replaces standard strain relief.
- L5-30 or L6-30 3-wire, 30 ampere plug, receptacle or recessed inlet.
- L14-30 or L14-20 4-wire, 20 or 30 ampere plug, receptacle or recessed inlet.



Cord Reel Light Order Form

Reel Size

- 10"
- 15"
- 18"

Reel Color

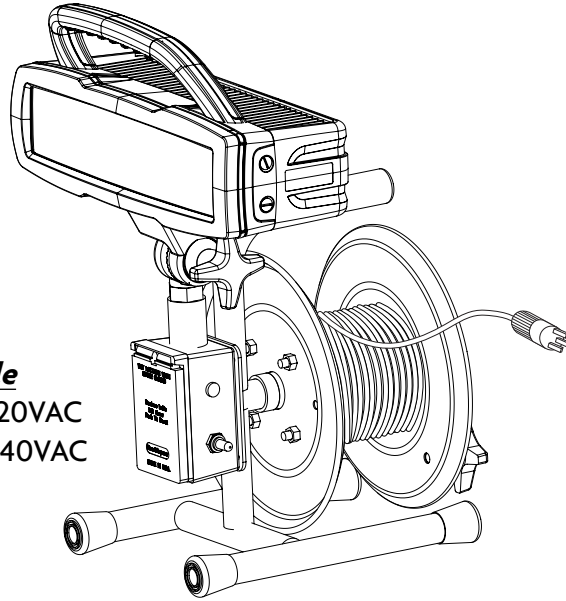
- Red
- Black
- Silver
- Yellow
- Other

Light Options Available

- SceneStar™ AC LED 120VAC
- SceneStar™ AC LED 240VAC
- Beta 300W 120VAC
- Beta 500W 120VAC
- Beta 500W 240VAC
- Beta 650W 120VAC
- Beta 750W 120VAC
- Stonco 300W 120VAC
- Stonco 500W 120VAC
- Stonco 500W 240VAC

Gang Box Receptacle

- 15A GFCI
- 20A GFCI
- L6-20
- 5-15, 15A Household
Straight Blade (Duplex)
- 5-20, 20A Household
Straight Blade (Duplex)
- L5-15, 15A Twistlock (Duplex)
- L5-20, 20A Twistlock
- Other/Specify



Cord Type

- 12/3
- 14/3
- 10/3
- 10/4
- None
- Other/Specify

Cord Length

(Specify Per Chart)

Cord Color

- Black
- Yellow

Cord Voltage Rating

- 300 Volt
- 600 Volt

Plug

- 5-15, 15A Household
Straight Blade
- 5-20, 20A Household
Straight Blade
- L5-15, 15A Twistlock
- L5-20, 20A Twistlock
- L5-30, 30A Twistlock
- L6-20, 240V, 20A Twistlock
- None
- Other/Specify

Cord Type	10" Cord Reel Capacity	Weight W/cord	15" Cord Reel Capacity	Weight W/cord	18" Cord Reel Capacity	Weight W/cord
14/3-300 Volt	150' (45.7 m)	22# (10 kg)	300' (91.5 m)	46# (20.1 kg)	450' (137 m)	61# (27.7 kg)
12/3-300 Volt	100' (30.5 m)	22# (10 kg)	200' (61 m)	46# (20.1 kg)	300' (91.5 m)	61# (27.7 kg)
10/3-300 Volt	N/A	N/A	100' (30.5 m)	42# (19 kg)	175' (53.3 m)	60# (27.2 kg)
14/3-600 Volt	50 (15.2 m)	17# (7.7 kg)	125' (38 m)	37# (16.8 kg)	225' (68.7 m)	54# (24.5 kg)
12/3-600 Volt	N/A	N/A	100' (30.5 m)	41# (18.6 kg)	150' (46 m)	54# (24.5 kg)
10/3-600 Volt	N/A	N/A	75' (22.8 m)	40# (18.1 kg)	100' (30.5 m)	49# (22.3 kg)
10/4-600 Volt	N/A	N/A	N/A	N/A	100' (30.5 m)	50# (22.7 kg)



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