AIR-PAK® FIFTY™ SCBA

RESPIRATORY PROTECTION FOR IDLH CONDITIONS









COUNT ON

Continuing a Proud Tradition

The Air-Pak® has earned the confidence of SCBA users with its record of reliable performance and rugged dependability. Scott is committed to continuing the innovative technological leadership, which has forged that tradition. Scott Air-Pak Fifty™ – the next generation SCBA – was introduced on the 50th Anniversary of the first Scott Air-Pak. The Air-Pak Fifty is an SCBA developed with extensive input from fire and industrial users. Based on their recommendations, the Air-Pak Fifty offers enhanced design features built around proven Scott performance characteristics. The Air-Pak Fifty continues the time-tested operating systems, which have given users the easy breathing SCBA performance they have learned to rely on time and time again for dependable respiratory protection.

Easy to Breathe

The Scott breathing circuit responds rapidly and efficiently to the user's demand for air, making it easier to breathe, especially during periods of peak physical activity. From first-breath activation, Scott offers an SCBA with outstanding breathing performance and an airflow that exceeds NFPA requirements.

Ready, Set, Breathe

An air-saver switch, angled for easy operation with a gloved hand, stops the free flow of air during donning and doffing. This gives the user the advantage of placing the SCBA in a stand-by mode with an activated cylinder. That means the user can be suited up and ready for action without spending cylinder air.

The regulator's quick-don mounting system has a 20-year track record of proven performance. A positive-locking mount is assured with a quick quarter turn of the regulator that prevents it from being accidentally knocked loose. Simplicity is assured because the regulator automatically activates the flow of air with the user's first breath. Air entering the facepiece is directed over the lens to prevent fogging.

Designed for the E-Z Flo®/E-Z Flo II/Modulair™-style regulator, a regulator holder is mounted on the left side of the user's belt. This regulator holder comes standard on all Air-Pak Fifty SCBA's.

Cylinder Options

The Air-Pak Fifty is available in 2216, 3000 or 4500 psi models. Choose from the latest in cylinder materials including carbon fiber, the lightest cylinder available, and aluminum. Cylinders are available in 30-, 45- or 60-minute rated duration.



BREATHE EASIER WITH THE E-Z FLO® REGULATOR

Scott pioneered the E-Z Flo regulator with a pressure-demand system that out-performed all other SCBA regulators in performance and simplicity. While maintaining a slightly positive pressure in the facepiece, the E-Z Flo delivers as much as 160 LPM when compared to the NFPA minimum of 100 LPM. It is capable of a peak flow of 500 LPM. This superior performance is based on a design that significantly reduces inhalation and exhalation resistance to minimize user fatique.



ANCE

LEADER IN SCBA'S



Advanced Safety Features

Firefighters should never go into dangerous environments without a partner for back-up. So, Scott has also designed on-board back-up emergency systems. Scott's redundant safeguards promote an added margin of user safety. In addition to the standard safety features of the Air-Pak®, Scott has developed a Rapid Intervention Crew/Universal Air Connection (RIC/UAC). Strategically

located, and with relief valve and dust cover, the RIC/UAC allows air to be supplied to a down or trapped firefighter by either a Scott RIT-PAK™ II or another compressed air source.





RIC/UAC

Vibralert and HUD

End of Service Indicators

Dual low air alarm package provides the ultimate in firefighter safety. This innovative system provides exceptional security with two end-of-service-indi-

cators. The first component of Scott's Redundant Low Air Alarm System is the Vibralert® end-of-service-indicator. Vibralert's gentle vibration of the facepiece minimizes the chance the user's alarm will go unnoticed or be confused with another SCBA. The second component of Scott's Redundant Low Air Alarm System is the Visualert Heads-up Display. The accurate and durable safety device is mounted on the user's regulator. With the alarm mounted on his/her regulator, the user is visually alerted to a low-air alarm condition.

Integrated Pass

Representing a dramatic breakthrough in personal protection, Pak-Alert SE® integrated PASS device is a powerful safety tool offering redundant audible and visual alarms. Designed to assist in locating incapacitated or trapped SCBA users, Pak-Alert SE is the first distress alarm featuring automatic activation as soon as the cylinder valve is opened. An option for the Air-Pak SCBA, Pak-Alert's sensor and alarms are powered independently by battery. Pak-Alert alarms include flashing red LED and twin audible sounders. The audible alarms are located between the cylinder and backframe to prevent inadvertent muffling should a user become pinned down. A hands-free reset minimizes distracting false alarms. Moreover, this essential safety device also alerts others when a firefighter is incapacitated.

Best Warranty in the Industry

As the industry leader in performance, safety and reliability, the Air-Pak® Fifty™ is backed by the strongest warranty available anywhere. The Scott Air-Pak Fifty is covered "bumper-to-bumper" for a full 8 years, plus a full 15 years on the pressure reducer assembly. Simply put, there is no stronger warranty in the business!

Lowest Overall Ownership Cost

The initial purchase price of an SCBA is only part of your overall cost of ownership. Other costs to consider include ongoing maintenance, warranty and service. We call these life cycle costs. A recent analysis completed by the U.S. Government revealed the Scott Air-Pak had the lowest life cycle cost of any SCBA reviewed.



SCOTT'S UNIQUE PRESSURE REDUCER

Unlike all other SCBA, Scott actually provides two pressure reducers in one. Situated in a compact housing, the pressure reducers are interconnected through an automatic transfer valve. A reduction in primary pressure for whatever reason would trigger an automatic transfer to the secondary circuit. This could occur, for example, by dirt accidentally entering the air circuit during a cylinder change. The user would be alerted to the transfer by the Vibralert alarm. This would enable the user to focus attention on safely exiting the hazardous area. At the same time, an uninterrupted supply of air would be provided through the secondary circuit.





Back-up safety features include a dual path pressure reducer that ensures a constant flow of air.





STANDARD

RY... BY DESIGN

Innovative E-Z Flo® II Regulator

Scott takes the proven performance of the E-Z Flo Regulator to another level. NFPA and NIOSH approved the E-Z Flo II Regulator makes breathing easier by further reducing exhalation by 25% and sustaining air flow volumes of more than 400 lpm. With a glove friendly design and resistant to impact, the E-Z Flo II is the choice for today's firefighter.

Dual EBSS/Extended Duration Airline

SCBA's can be equipped with a new dual EBSS/airline connection. This option provides the wearer the ability to connect to another user without having to disconnect the regulator supply hose. It also allows the wearer to be connected to a remote air source which may be up to 300 feet away. Simply put, one hose, two options for air.

Scott Electronic Management System (SEMS™) The First Integrated Personal Alert System With Transceiver

- Transceiver delivers and collects data
- Allows for "commander-on-shoulder" fire scene management
- Provides superior firefighter safety
- Non-verbal communication affords swift accountability of single or multiple firefighters

SEMS includes a transceiver to send and receive critical information between the firefighter and base command unit. This remarkable communication system provides better fire ground accountability, more effective fire scene management, and greater personal safety for firefighters. Scott's SEMS puts the incident commander at every firefighter's side, by displaying who has activated their SCBA, how long their SCBA has been activated, what their tank pressure is and whether or not they need assistance. SEMS also provides a way to advise one or more firefighters to evacuate without anyone having to say or hear a single word.



Air-Pak® Fifty™ Approvals

- $\bullet \ ETL \ listed \ for \ Intrinsic \ Safety \ Class \ I, \ II, \ III, \ Div. \ I, \ Groups \ A, \ B, \ C, \ D, \ E, \ F \ and \ G \ per \ ANSI/UL \ 913$
- NFPA 1981 (2002 Edition) compliant
- NIOSH approved
- TC13F-80 30 min 2216 psig, TC13F-76 30 min 4500 psig, TC13F-212 45 min 4500 psig, TC13F-96 60 min 4500 psig

WARNING

This respirator is intended to be used only in conjunction with an organized respiratory protection program. Selection of a respirator must take into account all hazards associated with its intended use. Improper selection or improper use of this respirator may result in injury or death.



ALL NEW FACEPIECE MOUNTED HEADS-UP DISPLAY (HUD)

Scott's inventive Heads-Up-Display makes complying with NFPA 1981, 2002 Edition effortless. By strategically mounting the HUD to the regulator, this design minimizes the cost of a personal issue facepiece. Unlike other displays, Scott's HUD is hard-wired and engineered to eliminate false readings. And, with no obstructed views, this gauge-like design provides a simplistic LED readout illustrating full, threequarter, half and quarter bottle capacity. Powered by a standard 9-volt battery, maintenance is quick and easy. With Scott's NFPA upgrade, any Air-Pak 2.2/3.0/4.5 or Fifty can be retrofitted to incorporate this personal protective device.

THE TOTAL SOLUTION

FOR ALL YOUR RESPIRATORY NEEDS



The Air-Pak Fifty 2.2/3.0/4.5

The Air-Pak Fifty family of products incorporates a platform design approach, which allows for a dramatic increase in versatility and compatibility with the entire Scott product line. This design concept helps those departments whose respiratory protection needs extend beyond SCBA's to other air-supplied or air-purified products.

Key to the Scott family of products is the advanced AV-3000 $^{\circ}$ and AV-2000 $^{\circ}$ facepieces. A single facepiece. A single fit test. That's all it takes. Both the AV-3000 and AV-2000 are fully interchangeable with Scott's full-line of SCBA, air-supplied respirators and air-purifying respirators, as well as Scott's communications products, giving users a solid, practical reason to choose Scott.

Only Scott's AV-3000 and AV-2000 facepieces allow you to customize your personal protection based on the environment in which you work. The AV-3000 and AV-2000 provide true "Top-Down Convertibility"," giving you the options you want and the protection you need. Both facepieces are versatile and adapt easily to hazardous situations requiring various levels of respiratory protection.

The AV-3000 and AV-2000 are designed to minimize equipment inventories and simplify the complexities of user training when issued as a single personal issue facepiece. Because of their versatility, the AV-3000 and AV-2000 can dramatically reduce redundant facepiece fit tests for users faced with hazardous situations requiring SCBA, air-supplied or air-purifying respiratory protection.

OPTIONS AND ACCESSORIES

UPGRADE YOUR AIR-PAK® FIFTY™ TO SUIT YOUR REQUIREMENTS

To promote maximum user benefit, the Air-Pak Fifty SCBA is designed to be upgraded should the user's requirements change. For example, a low-pressure SCBA may be upgraded to a high-pressure system with minimum cost. In addition, it may be equipped with a range of options and a full line of accessories including:



Buddy-Breathing system

A combined dual EBSS/Airline option affords users mobility while not exposing the recipient or donor to ambient air. Users can also connect to an external air source for extended durations.



Chest Strap

The chest strap is constructed with the same materials as the Air-Pak Fifty harness and is designed to adjust for a comfortable fit.



Facepiece Neck Strap

Holds the facepiece for convenient easy retrieval when wearing an SCBA. The strap is constructed with the same materials as the Air-Pak Fifty harness and is designed to adjust for a comfortable fit.



Air-Pak Cases

Choose from a soft canvas carrying case, constructed of heavyweight nylon or a black molded polyethylene hard case.



Eyeglass holder

Designed to retain your prescription lens, this device features a flexible suspension system to ensure a comfortable fit to the user's face.



Personal Issue Regulators

These feature a quick-connect coupling on the regulator supply line for easy changeout.



SCBA Steel Wall Case

Steel construction provides a safe, sturdy wall case for the Air-Pak SCBA. A clear Plexiglas® window permits easy visual inspection. Dimensions: 31.5x15x8.75 inches.



Facepiece Bag

Durable and washable polyester fleece bag, with spring loaded clamp and drawstring, offers protective stowing for facepiece and quick connect mask mounted regulator.



Walk-away Wall Bracket

A simple, inexpensive means of mounting the Air-Pak SCBA on a wall, this bracket provides a secure method of holding the respirator for quick donning in emergency situations.



RIT-PAK™ II Air Source Kit

Designed to provide air to downed/ trapped firefighters. Basic kit includes cylinder caddy with carrying handle, pressure reducer with lowpressure hose and fittings, RIC/UAC connection, and Pyrotone® bag.



Extended Duration Airline

The Air-Pak SCBA can be equipped with an extended duration airline connection for use with a remote air source up to 300 feet away.



Life-Link

As an emergency breathing support system (EBSS), the Life-Link permits two users to share a common air supply in emergencies. Life-Link features a tactile-feel, quick-connect coupling on the regulator supply line.

ORDERING INFORMATION

FOR AIR-PAK® FIFTY™ SCBA'S AND ACCESSORIES

Air-Pak Fifty (N	IFPA 1981, 2002 Edition) Ordering Information	1											
Part Number	Description of Product	Standard w/Case	Standard w/o Case	w/Quick Connect Regulator and Case	w/Quick Connect Regulator w/o Case	w/EBSS and Case	w/EBSS w/o Case	w/Dual EBSS and Case	w/Dual EBSS w/o Case	w/Dual EBSS, QC Reg and Case	w/Dual EBSS, QC Reg w/o Case	Weight* in lbs	Weight* in kgs
804936-XXXX	Air-Pak Fifty 2.2, less Cylinder & Facepiece	-0102	-0202	-0302	-0402	-0502	-0602	-0702	-0802	-0902	-1002	II.O	5.0
805065-XXXX	Air-Pak Fifty 3.o, less Cylinder & Facepiece	-0102	-0202	-0302	-0402	-0502	-0602	-0702	-0802	-0902	-1002	II.O	5.0
804935-XXXX	Air-Pak Fifty 4.5, less Cylinder & Facepiece	-0102	-0202	-0302	-0402	-0502	-0602	-0702	-0802	-0902	-1002	II.O	5.0

 $[\]mbox{^{\ast}}$ Normal weights in lb/kg (with charged cylinders) do not include options.

Air-Pak Fifty (N Part Number	IFPA 1981, 2002 Edition) with Alligator Clips O Description of Product	rdering Info Standard w/Case	Standard		w/Quick Connect Regulator w/o Case	w/EBSS and Case	w/EBSS w/o Case	w/Dual EBSS and Case	w/Dual EBSS w/o Case	w/Dual EBSS, QC Reg and Case	w/Dual EBSS, QC Reg w/o Case	Weight* in lbs	Weight* in kgs
804936-XXXX	Air-Pak Fifty 2.2, less Cylinder & Facepiece	-5102	-5202	-5302	-5402	-5502	-5602	-5702	-5802	-5902	-6002	II.O	5.0
805065-XXXX	Air-Pak Fifty 3.o, less Cylinder & Facepiece	-6102	-6202	-6302	-6402	-6502	-6602	-6702	-6802	-6902	-7002	II.O	5.0
804935-XXXX	Air-Pak Fifty 4.5, less Cylinder & Facepiece	-5102	-5202	-5302	-5402	-5502	-5602	-5702	-5802	-5902	-6002	II.O	5.0

^{*} Normal weights in lb/kg (with charged cylinders) do not include options.

Air-Pak Fifty (C	BRN Approved) Ordering Information												
Part Number	Description of Product	Standard w/Case	Standard w/o Case	w/Quick Connect Regulator and Case	w/Quick Connect Regulator w/o Case	w/EBSS and Case	w/EBSS w/o Case	w/Dual EBSS and Case	w/Dual EBSS w/o Case	w/Dual EBSS, QC Reg and Case	w/Dual EBSS, QC Reg w/o Case	Weight* in lbs	Weight* in kgs
804936-XXXX	Air-Pak Fifty 2.2, less Cylinder & Facepiece	-0103	-0203	-0303	-0403	-0503	-0603	-0703	-0803	-0903	-1003	II.O	5.0
805065-XXXX	Air-Pak Fifty 3.o, less Cylinder & Facepiece	-0103	-0203	-0303	-0403	-0503	-0603	-0703	-0803	-0903	-1003	II.O	5.0
804935-XXXX	Air-Pak Fifty 4.5, less Cylinder & Facepiece	-0103	-0203	-0303	-0403	-0503	-0603	-0703	-0803	-0903	-1003	II.O	5.0

^{*} Normal weights in lb/kg (with charged cylinders) do not include options.

Air-Pak Fifty (C	Air-Pak Fifty (CBRN Approved) with Alligator Clips Ordering Information												
Part Number	Description of Product	Standard w/Case	Standard w/o Case	w/Quick Connect Regulator and Case		w/EBSS and Case	w/EBSS w/o Case	w/Dual EBSS and Case	w/Dual EBSS w/o Case	w/Dual EBSS, QC Reg and Case	w/Dual EBSS, QC Reg w/o Case	Weight* in lbs	Weight* in kgs
804936-XXXX	Air-Pak Fifty 2.2, less Cylinder & Facepiece	-5103	-5203	-5303	-5403	-5503	-5603	-5703	-5803	-5903	-6003	II.O	5.0
805065-XXXX	Air-Pak Fifty 3.o, less Cylinder & Facepiece	-6103	-6203	-6303	-6403	-6503	-6603	-6703	-6803	-6903	-7003	II.O	5.0
804935-XXXX	Air-Pak Fifty 4.5, less Cylinder & Facepiece	-5103	-5203	-5303	-5403	-5503	-5603	-5703	-5803	-5903	-6003	II.O	5.0

 $[\]mbox{^{*}}$ Normal weights in lb/kg (with charged cylinders) do not include options.

Air-Pak® Fifty™ A	Accessories
Part Number	Description
10009324	Soft Canvas Carrying Case
804497-01	Black Molded Polyethylene Hard Carrying Case (Can be ordered as part of SCBA)
6538-00	SCBA Steel Wall Case
80007-02	Walk-away Wall Bracket, 4500 psig, 30 Min. Cylinder
80008-02	Walk-away Wall Bracket, 2216 psig, 30 Min. and 4500 psig, 45 & 60 Min. Cylinder
27537-01	Extended Duration Airline, Hansen
27537-02	Extended Duration Airline, Schrader
27537-03	Extended Duration Airline, Hansen HK
804370-10	Personal Issue Regulator, E-Z Flo®
200077-10	Personal Issue Regulator, E-Z Flo + (CBRN)
200223-01	RIT-PAK™ II, Standard with Case
200224-01	RIT-PAK II, Standard Less Case
805511-01	Chest Strap
805796-01	Pak-Alert® SE Kit
805796-02	Pak-Alert SE Factory Installed
805898-01	SEMS™ PDA, Field Installed Kit, 2216 psig
805898-02	SEMS PDA, Field Installed Kit, 3000 psig
805898-03	SEMS PDA, Field Installed Kit, 4500 psig
805898-04	SEMS PDA, Factory Installed Kit, 2216 psig
805898-05	SEMS PDA, Factory Installed Kit, 3000 psig
805898-06	SEMS PDA, Factory Installed Kit, 4500 psig
805679-01	SEMS PDR, Base Station
N/A	Life-Link Emergency Breathing Support System (Ordered as part of SCBA)

Cylinder and Valve Ordering Information						
Part Number	Description	Weight in lbs.	Weight in kgs.			
804101-01	2216 psig Aluminum Cylinder	21.0	9.5			
804840-01	2216 psig Carbon Cylinder	9.4	4.3			
805044-01	3000 psig Carbon Cylinder	12.8	5.8			
804721-01	4500 psig, 30 Min. Carbon Cylinder	9.4	4.3			
804722-01	4500 psig, 45 Min. Carbon Cylinder	13.6	6.2			
804723-01	4500 psig, 60 Min. Carbon Cylinder	16.6	7.5			

Facepiece Option	ons & Accessories
Part Number	Description
804191-01	AV-2000® Facepiece, Small, EPDM Rubber, Kevlar® Head Harness
804191-02	AV-2000 Facepiece, Large, EPDM Rubber, Kevlar Head Harness
804191-03	AV-2000 Facepiece, X-Large, EPDM Rubber, Kevlar Head Harness
804191-08	AV-2000 Facepiece, Comfort Seal™, EPDM Rubber, Kevlar Head Harness
805773-01	AV-3000 [™] Facepiece, Small Faceseal / Small Nosecup, Kevlar Head Harness
805773-02	AV-3000 Facepiece, Medium Faceseal / Medium Nosecup, Kevlar Head Harness
805773-03	AV-3000 Facepiece, Large Faceseal / Large Nosecup, Kevlar Head Harness
804442-01	Spectacle Kit, AV-2000
805753-01	Spectacle Kit, AV-3000
804088-01	Kevlar Facepiece Neck Strap
805534-01	Facepiece Bag, AV-2000 / AV-3000
805787-01	Communication Clamp, Right, AV-3000
804594-01	Standby Clip, Facepiece Snap Hook



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