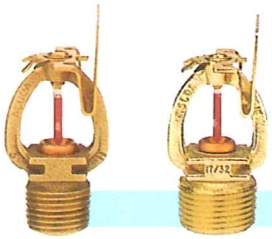
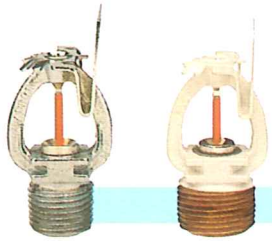
Extended Coverage

Our extended coverage sprinklers offer the economy of fewer sprinkler heads along with a reduction in the amount of required piping. Designed for light hazard applications, their use is contingent upon a maximum room size of 16 x 24 feet (4.9 x 7.3 m). They are available in two models: Extended Coverage (EC), and Quick Response Extended Coverage (QR-EC).



EXTENDED COVERAGE HORIZONTAL SIDEWALL (EC)

Nominal Orifice	NPT	K-Factor
1/2" (15mm)	1/2" (15mm)	5.6 (8.1)
17/32" (20mm)	3/4" (20mm)	8.0 (11.6)



QUICK RESPONSE EXTENDED COVERAGE (QR-EC)

Nominal Orifice	NPT	K-Factor
1/2" (15mm)	1/2" (15mm)	5.6 (8.1)
17/32" (20mm)	3/4" (20mm)	8.0 (11.6)

- EC and QR-EC sprinklers are available in the following finishes: Plain Brass, Chrome-plated, White, Bright Brass and Lead-coated.
- Approvals: UL and UL of C Listed.
- See "Automatic" Sprinkler Product Information Catalog for coverage areas, flow rates, and pressure requirements.
- All metric values shown are industry-accepted metric approximations.

ESFR

The Model K-1 Early Suppression Fast Response (ESFR) sprinklers are designed to suppress fires rather than control them. Developed for warehouse installation, ESFR sprinklers can eliminate the need for in-rack sprinklers, and allow flexibility of storage rack locations. Ideal for single, double, and multiple-row rack storage, in up to 40' high buildings, ESFR sprinklers provide impressive fire suppression through Class 4 commodities, and for aerosol storage; and offer a clear reduction in the overall costs of warehouse fire protection.

ESFR

Nominal Orifice	NPT	K-Factor
3/4" (20mm)	3/4" (20mm)	14.0 (20.2)

- ESFR sprinklers are available in Plain Brass Pendent only.
- Approvals: UL Listed and FM Approved.
- The design and installation of ESFR sprinkler systems shall comply with the applicable standards of NFPA 13, NFPA 231, NFPA 231C, FM Loss Prevention Data 2-2 and the Authority having Jurisdiction.
- All metric values shown are industry-accepted metric approximations.

TEMPERATURE RATINGS

135°F (57°C)	
155°F (68°C)	
175°F (79°C)	
200°F (93°C)	
286°F (141°C)	
360°F (182°C)	
OPEN	

Nozzles & Special Application Sprinklers

A. Foam Water Sprinklers/Nozzles

Available in both upright and pendent models, Foam Water sprinklers are designed for high risk, flammable liquid fires where it is desirable to apply foam from overhead sprinklers and where follow-up with plain water is advantageous. Foam Water nozzles are specially designed for directional dispersion of foam water, with an operating range between 30 to 50 psi. These nozzles are available in pattern directions of 90˚ and 120˚, and are ideally suited for the protection of storage tanks.

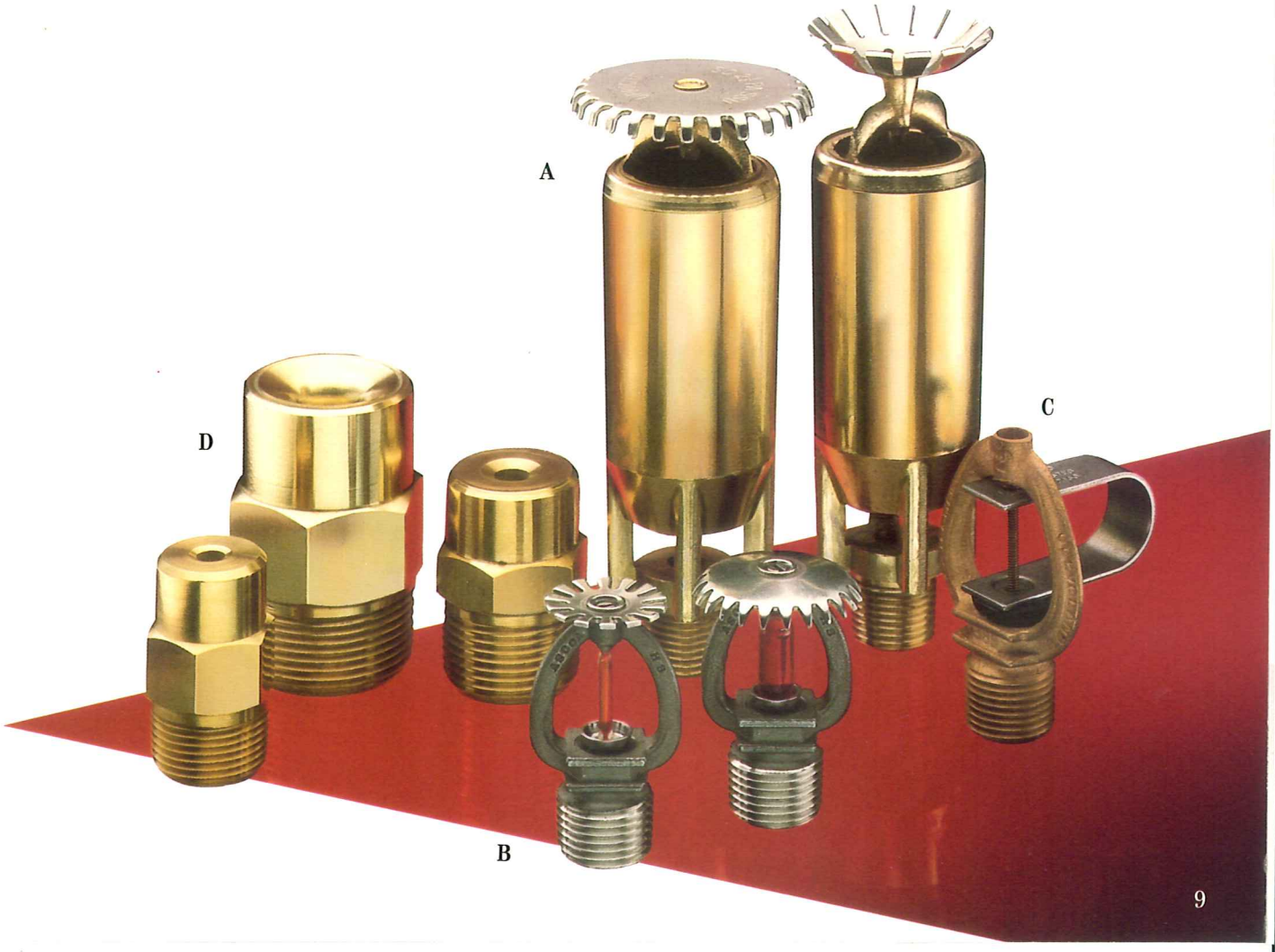
B. Stainless Steel Sprinklers

Model HS stainless steel sprinklers are specially made for installation and use in harsh environments, where corrosion resistance is a critical priority. These sturdy sprinklers stand up to environments that may cause regular brass sprinklers to deteriorate, prevents delays and breakdowns due to corrosion, and ensure quick response precisely at the desired temperature rating. Model HS sprinklers are available in quick response and standard response, in upright and pendent styles.

C. Cooling Tower Nozzles

Specifically designed to protect water cooling tower installations, Cooling Tower Nozzles discharge water in a long narrow pattern, with a throw length of up to 20 feet (6.1m). Available in Brass or Lead-Coated, with three orifice sizes, these nozzles are ideally suited for fire protection in such hard-to-reach areas.

D. Auto-Spray® Nozzles

Auto-Spray Nozzles provide a high velocity directional spray which keeps water from dissipating before it reaches the fire. Auto-Spray nozzles are ideal for volatile fires involving highly flammable liquids or solids that are difficult to extinguish. Nozzles are available in Brass or Stainless Steel finishes, and in a variety of orifice and thread sizes. Pattern angles include 40˚, 60˚, 90˚, and 120˚.

Approvals: Generally UL and UL of C Listed and FM Approved or Pending.