

# "ASTRA" MODEL U BULB SPRINKLER UPRIGHT AND PENDENT QUICK RESPONSE



UPRIGHT



PENDENT

PROTECTION INCENDIE LTÉE

**VENUS**

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# "ASTRA" MODEL U BULB SPRINKLER UPRIGHT AND PENDENT STYLE QUICK RESPONSE

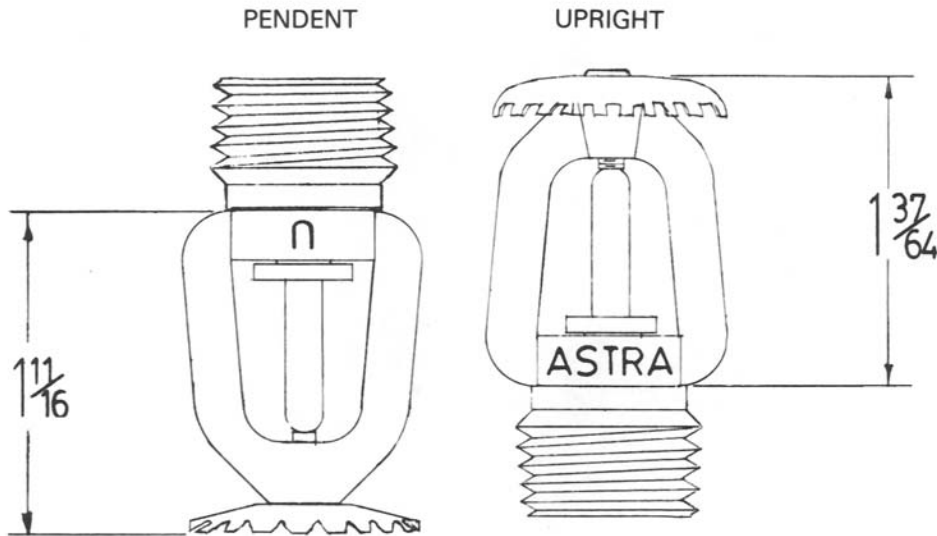
## DESCRIPTION AND OPERATION

The "Astra" model U, quick response, upright and pendent sprinklers with their small profile do not disrupt the overhead aesthetics, and yet one glance upward gives a visual assurance of the finest in fire protection, an automatic sprinkler system.

The color coded 3mm glass bulb is the heart of the unit. At normal temperatures, the glass bulb contains fluid in both the liquid phase and in the vapor phase. The vapor phase can be seen as a small bubble. As heat is applied, the liquid expands forcing the bubble to become smaller and smaller until it disappears. Continued heating forces the liquid to push out against the bulb, causing the glass to shatter, opening the waterway and allowing the deflector to distribute the discharging water.

## INSTALLATION

The "Astra" model U, quick response, sprinklers must be installed according to current NFPA 13. Deviation from these requirements and standards or any alteration to the sprinkler itself will void any warranty made by the manufacturer. In addition, installation must also meet local government provisions, codes, and standards as applicable. The system piping must be properly sized to insure the minimum required flow rate to the sprinkler. Check for the proper model, style, orifice size, and temperature rating prior to installation. Install sprinklers after the piping is in place to avoid mechanical damage and replace any damaged units. Wet pipe systems must be protected from freezing. Upon completion of the installation the system must be tested as per recognized standards. In the event of a thread leak, remove the unit, apply new pipe joint compound or tape, and reinstall.



## SPECIFICATIONS

Taper hole	K factor	Threaded hole	Length	Finish
1/2" (15mm)	5.6 (80 metric)	1/2" NPT	2 1/4" (5.7 cm)	Bronze, **Chrome Satin, Chrome lustré, White polyester, **Black polyester.

note: metric conversions are approximate

\*\* Finish a vailable on special order.

## APPROBATIONS

Style	Orifice size	135° F 57° C	155° F 68° C	175° F 79° C	200° F 93° C	286° F 141° C	U.L.C.	U.L.	Canadian U.L.	F.M.
Upright	1/2"	X	X	X	X	U.L. only	X	X		
Pendent	1/2"	X	X	X	X	U.L. only	X	X		

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MADE IN CANADA