



# MODEL GL1160 EXTRA LARGE ORIFICE AUTOMATIC SPRINKLERS FOR USE IN NFPA 13 SYSTEMS

## DESCRIPTION AND OPERATION

The Globe Model GL1160 Extra Large Orifice Sprinkler for use in NFPA 13 Systems is a low profile yet durable design which utilizes a 5mm frangible glass ampule as the thermosensitive element. The main use of this sprinkler is when minimal pressure is available and the use of smaller size orifice sprinklers would require the installation of a pump. This sprinkler series is available in various styles, temperature ratings and several finishes to meet many varying design requirements.

The heart of Globe's Model GL1160 sprinkler proven actuating assembly is a hermetically sealed frangible glass ampule that contains a precisely measured amount of fluid. When heat is absorbed, the liquid within the bulb expands increasing the internal pressure. At the prescribed temperature the internal pressure within the ampule exceeds the strength of the glass causing the glass to shatter. This results in water discharge which is distributed in an approved pattern.



PENDENT

## TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Rating - 155°F (68°C), 175°F (79°C), 200°F (93°C), 286°F (141°C).
- Water Working Pressure Rating - 175 psi (12 Bars).
- Factory tested hydrostatically to 500 psi (34 Bars).
- Maximum low temperature glass bulb rating is -67°F (-55°C).
- Frame - bronze • Deflector - brass • Screw - brass
- Bulb seat - copper • Spring - nickel alloy • Seal - teflon
- Bulb - glass with glycerin solution, 5mm size.

## • SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES		BULB COLOR	N.F.P.A. MAXIMUM CEILING TEMPERATURE	
ORDINARY	155°F	68°C	RED	100°F	38°C
INTERMEDIATE	175°F/200°F	79°C/93°C	YELLOW/GREEN	150°F	66°C
HIGH	286°F	141°C	BLUE	225°F	107°C

# MODEL GL1160 EXTRA LARGE ORIFICE AUTOMATIC SPRINKLERS FOR USE IN NFPA 13 SYSTEMS

## SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
11.5 (166 metric)	3/4" NPT	2 7/16" (6.19 cm)	Factory Bronze *Satin Chrome Bright Chrome White Polyester+ Black Polyester+ *Lead Coated

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

\*FINISHES AVAILABLE ON SPECIAL ORDER.  
+AVAILABLE AS UL LISTED CORROSION RESISTANT  
WHEN SPECIFIED ON ORDER.

## APPROVALS

STYLE	SIN MODEL	K FACTOR	155°F 68°C	175°F 79°C	200°F 93°C	286°F 141°C	cULus	NYC - DOB MEA 101-92-E
PENDENT	GL1160	11.5	X	X	X	X	X	X

## ORDERING INFORMATION

### SPECIFY

- Quantity • Model Number • Style
- Orifice • Temperature • Finishes desired
- Quantity - Wrenches - P/N 333010

## GLOBE® PRODUCT WARRANTY

Globe agrees to repair or replace any of its own manufactured products found to be defective in material or workmanship for a period of one year from date of shipment.

For specific details of our warranty please refer to Price List Terms and Conditions of Sale (Our Price List).



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