



STANDARD RESPONSE UPRIGHT • PENDENT AUTOMATIC SPRINKLERS FOR USE IN NFPA 13 CMDA STORAGE APPLICATIONS

DESCRIPTION AND OPERATION

The Globe Standard Response Model GL1160 Pendent and GL1167 Upright Sprinklers are intended for use in NFPA 13 Systems when installed in accordance with Control Mode Density Area protection criteria as specified in the NFPA 13 standard.

The Model GL1160 and GL1167 have a low profile yet durable design which utilize a 5mm frangible glass ampule as the thermosensitive element. While the sprinklers provide an aesthetically pleasing appearance, they serve to protect various area coverages. This sprinkler series is available in pendent, and upright styles, and several temperature ratings and finishes to meet varying design requirements.

The heart of Globe's Model GL1160 and GL1167 sprinklers 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.



**STANDARD RESPONSE
UPRIGHT
GL1167**



**STANDARD RESPONSE
PENDENT
GL1160**

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings - 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

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SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
11.2 (160 metric)	3/4"NPT (20mm)	2 7/16" (6.2cm)	Factory Bronze Chrome White Polyester ³ Black Polyester ^{2,3}

NOTE: METRIC CONVERSIONS ARE APPROXIMATE.

²FINISHES AVAILABLE ON SPECIAL ORDER.

³AVAILABLE AS cULus LISTED COROSION RESISTANT WHEN SPECIFIED ON ORDER.

APPROVALS

STYLE	SIN MODEL	HAZARD ¹	TEMPERATURE				cULus	*FM	NYC - DOB MEA 101-92-E	MIN. DISTANCE BETWEEN SPRINKLERS <i>Feet (Meters)</i>
			155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)				
UPRIGHT	GL1167	STORAGE	X	X	X	X	X	X	6 (1.8)	
PENDENT	GL1160	STORAGE	X	X	X	X	X	---		

¹SPRINKLERS SHALL BE LIMITED AS PER THE REQUIREMENTS OF NFPA13 AND ANY OTHER RELATED DOCUMENTS.

*NO FM APPROVALS FOR 175°F (79°C).

ORDERING INFORMATION SPECIFY

- Quantity • Model Number • Style • Orifice
- Thread Size • 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).

