



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

DESCRIPTION AND OPERATION

The Globe Quick Response Model GL1114 Pendent and GL1123 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 GL1114 and GL1123 have a low profile yet durable design which utilizes a 3mm 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 GL1114 and GL1123 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.



QUICK RESPONSE
UPRIGHT
GL1123



QUICK RESPONSE
PENDENT
GL1114

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 alcohol based solution, 3mm size

• SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOR CODING

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

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

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	K FACTOR	HAZARD ¹	TEMPERATURE				cULus	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	GL1123	11.2	STORAGE	X	X	X	X	X	X	6 (1.8)
PENDENT	GL1114									

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

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).

