



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

**DESCRIPTION AND OPERATION**

The Globe Quick Response 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 GL1114 and GL1123 sprinklers 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 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.



**SERIES GL-QR/ST  
QUICK RESPONSE  
UPRIGHT  
GL1123**



**SERIES GL-QR/ST  
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<br>Chrome<br>White Polyester <sup>3</sup><br>Black Polyester <sup>2,3</sup> |

**NOTE:** METRIC CONVERSIONS ARE APPROXIMATE.

<sup>2</sup>FINISHES AVAILABLE ON SPECIAL ORDER.

<sup>3</sup>AVAILABLE AS cULus LISTED CORROSION RESISTANT WHEN SPECIFIED ON ORDER.

**APPROVALS**

| STYLE   | SIN    | K FACTOR | HAZARD <sup>1</sup> | TEMPERATURE     |                 |                 |                  | cULus | NYC - DOB<br>MEA<br>101-92-E | MIN.<br>DISTANCE<br>BETWEEN<br>SPRINKLERS<br><i>Feet (Meters)</i> |
|---------|--------|----------|---------------------|-----------------|-----------------|-----------------|------------------|-------|------------------------------|---|
|         |        |          |                     | 155°F<br>(68°C) | 175°F<br>(79°C) | 200°F<br>(93°C) | 286°F<br>(141°C) |       |                              |   |
| UPRIGHT | GL1123 | 11.2     | STORAGE             | X               | X               | X               | X                | X     | X                            | 6 (1.8)   |
| PENDENT | GL1114 |          |                     |                 |                 |                 |                  |       |                              |   |

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

**ORDERING INFORMATION**  
**SPECIFY**

- Quantity • SIN • 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).

