



STANDARD RESPONSE AUTOMATIC SPRINKLERS GL SERIES 10MM UPRIGHT • PENDENT RECESSED PENDENT

DESCRIPTION AND OPERATION

The Globe GL Series 10mm Sprinkler is a low profile yet durable design which utilises a frangible glass ampule as the thermosensitive element. While the 10mm sprinkler provides an aesthetically pleasing appearance, it can be installed wherever standard spray sprinklers are specified. This sprinkler series is available in various styles, temperature ratings, and finishes to meet varying design requirements. These sprinklers should be used advisedly and under the direction of approving authorities having jurisdiction.

The heart of Globe's GL Series 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, depending upon the deflector style used.

The sprinkler and escutcheon are not factory assembled. Assembly is done in the field.

TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings - 57°C (135°F), 68°C (155°F), 79°C (175°F), 93°C (200°F), 141°C (286°F), 182°C (360°F)
- Water Working Pressure Rating - 1206 kPa (175 psi)
- Factory tested hydrostatically to 3447 kPa (500 psi)
- Maximum low temperature glass bulb rating is -55°C (-67°F)
- Frame - bronze • Deflector - brass • Screw - brass
- Lodgement Wire - stainless steel • Bulb seat - copper
- Spring - nickel alloy • Seal - teflon
- Bulb - glass with glycerin solution, 5mm size



STANDARD RESPONSE
UPRIGHT



STANDARD RESPONSE
PENDENT



STANDARD RESPONSE
RECESSED PENDENT

• SPRINKLER TEMPERATURE RATING/CLASSIFICATION and COLOUR CODING

CLASSIFICATION	AVAILABLE SPRINKLER TEMPERATURES		BULB COLOUR	AS2118 MAXIMUM CEILING TEMPERATURE	
	57°C/68°C	135°F/155°F		27°C/38°C	81°F/100°F
ORDINARY	79°C/93°C	175°F/200°F	ORANGE/RED	49°C/63°C	120°F/145°F
INTERMEDIATE	141°C	286°F	YELLOW/GREEN	111°C	232°F
HIGH	182°C	360°F	BLUE	152°C	306°F
EXTRA HIGH			MAUVE		

STANDARD RESPONSE AUTOMATIC SPRINKLERS GL SERIES 10MM UPRIGHT • PENDENT RECESSED PENDENT

SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
57 metric (4.2 english)	10mm (ISO 7/1-R3/8)	5.7cm (2 1/4")	Factory Bronze Chrome White Polyester ² Black Polyester ^{1,2}

¹FINISHES AVAILABLE ON SPECIAL ORDER.

²AVAILABLE AS cULus LISTED COROSION RESISTANT WHEN SPECIFIED ON ORDER.

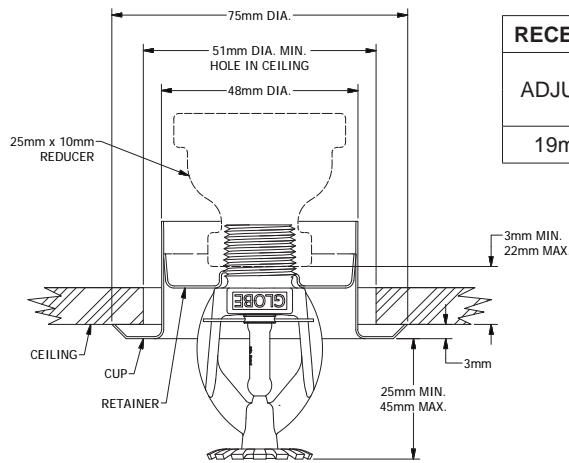
APPROVALS

STYLE	SIN MODEL	K FACTOR	HAZARD ¹	TEMPERATURES						cULus	MIN. DISTANCE BETWEEN SPRINKLERS <i>Metres (Feet)</i>
				57°C (135°F)	68°C (155°F)	79°C (175°F)	93°C (200°F)	141°C (286°F)	182°C (360°F)		
UPRIGHT	GL4262	57 metric	LH	X	X	X	X	X	X	X	1.8 (6)
PENDENT RECESSED PENDENT	GL4252	57 metric	LH	X	X	X	X	X	X	X	

¹SPRINKLERS SHALL BE LIMITED AS PER THE REQUIREMENTS OF AS2118 AND ANY OTHER RELATED DOCUMENTS.

LH: LIGHT HAZARD

CROSS SECTION



19mm (3/4") ADJUSTMENT
RECESSED PENDENT

RECESSED ESCUTCHEON PART NUMBER		
ADJUSTMENT	FRICTION FIT	
	WHITE	CHROME
19mm (3/4")	326233-W	326231

ORDERING INFORMATION SPECIFY

- Quantity • Model Number • Style • Orifice
- Thread Size • Temperature • Finishes desired
- Quantity - Wrenches - P/N 325390

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).



NOV 2016

PRINTED U.S.A.

4077 AIRPARK DRIVE, STANDISH, MICHIGAN 48658
989-846-4583 FAX 989-846-9231
1-800-248-0278 www.globesprinkler.com

GFS-110b (Formerly A-64)