



# STANDARD RESPONSE HIGH PRESSURE AUTOMATIC SPRINKLERS GL SERIES UPRIGHT • PENDENT

## DESCRIPTION AND OPERATION

The Globe Model GL Series Sprinkler is a low profile yet durable design which utilizes a frangible glass ampule as the thermosensitive element. While the sprinkler provides an aesthetically pleasing appearance, it can be installed wherever standard spray sprinklers are specified, and has been evaluated for use where static or flowing pressures are 300 psi or below. This sprinkler series is available in various styles, orifices, temperature ratings and finishes to meet varying design requirements.

The heart of Globe's Model 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.



**STANDARD RESPONSE  
UPRIGHT**



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PENDENT**

## TECHNICAL DATA

- See reverse side for Approvals and Specifications.
- Temperature Ratings - 135°F (57°C), 155°F (68°C), 175°F (79°C), 200°F (93°C), 286°F (141°C), 360°F (182°C)
- Water Working Pressure Rating - 300 psi (21 Bars)
- Factory tested hydrostatically to 850 psi (59 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	135°F/155°F	57°C/68°C	ORANGE/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
EXTRA HIGH	360°F	182°C	MAUVE	300°F	149°C

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## SPECIFICATIONS

NOMINAL "K" FACTOR	THREAD SIZE	LENGTH	FINISHES
5.6 (80 metric)	1/2"NPT (15mm)	2 1/4" (5.7cm)	Factory Bronze
8.0 (115 metric) <sup>3</sup>	1/2"NPT (15mm)	2 1/4" (5.7cm)	Chrome
8.0 (115 metric)	3/4"NPT (20mm)	2 7/16" (6.2cm)	White Polyester <sup>2</sup> Black Polyester <sup>1,2</sup>

**NOTE:** METRIC CONVERSIONS ARE APPROXIMATE.

<sup>1</sup>FINISHES AVAILABLE ON SPECIAL ORDER.

<sup>2</sup>AVAILABLE AS cULus LISTED CORROSION RESISTANT WHEN SPECIFIED ON ORDER.

<sup>3</sup>FOR RETROFIT PURPOSES ONLY

## APPROVALS

STYLE	SIN MODEL	K FACTOR	HAZARD <sup>1</sup>	TEMPERATURES						cULus
				135°F (57°C)	155°F (68°C)	175°F (79°C)	200°F (93°C)	286°F (141°C)	360°F (182°C)	
UPRIGHT	GL5662	5.6	ALL	X	X	X	X	X	X	X
	GL8162	8.0*	ALL	X	X	X	X	X	X	X
	GL8165	8.0	ALL	X	X	X	X	X	X	X
PENDENT	GL5652	5.6	ALL	X	X	X	X	X	X	X
	GL8152	8.0*	ALL	X	X	X	X	X	X	X
	GL8157	8.0	ALL	X	X	X	X	X	X	X

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

ALL: ALL HAZARDS

\*1/2" NPT FOR RETROFIT PURPOSES ONLY

## ORDERING INFORMATION SPECIFY

- Quantity • Model Number • Style • Orifice
- Thread Size • Temperature • Finishes desired
- Quantity - Wrenches - P/N 325390 (1/2");  
P/N 312366 (L.O.)

## 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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