

Lianglong Industrial Zone, Yuyao City, Ningbo, China 315430

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GENERAL DESCRIPTION

The model SDGB1 5.6 K-factor, upright, pendent sprinklers are standard response, standard coverage 5mm glass bulb spray sprinklers which are designed for use in light or ordinary hazard, commercial occupancies such as banks, hotels, shopping malls, hospitals etc..

TECHNICAL DATA

Physical Characteristics

Frame.....	Brass
Button.....	Brass
Compression screw.....	Brass
Defector.....	Brass
Thermal bulb.....	Glass

Surface Finishes

1. Chrome plated
2. Natural brass
3. White polystered

Working Temperature

Temperature	Glass Bulb Color
135°F (57°C)	Orange
155°F (68°C)	Red
175°F (79°C)	Yellow
200°F (93°C)	Green
286°F (141°C)	Blue

Specifications

The response time index for the device is $(RTI) \leq 28 \pm 8(m.s)^{0.5}$

Type	Model	Connect Thread	Exploded Temperature(°C) Ambient Temperature (°C)	Flow Coefficient (K)	Working Pressure (Mpa)	Test Pressure (Mpa)
Upright	SDGB1-1531	1/2" DN15	68 (4-45)	5.6/80	0.2-1.6	3.4
Pendent	SDGB1-2531	1/2" DN15	68 (4-45)	5.6/80	0.2-1.6	3.4



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QUALITY CONTROL

100% detection will be carried out on all goods before leaving factory and the seal test pressure is 3.4MPa.

OPERATION

The heat-sensitive liquid in the glass bulb expands when exposed to heat. When the rated temperature is reached, the liquid expands sufficiently to shatter the glass bulb and releasing the pip cap and sealing spring assembly, which allow the sprinkler to activate and water to flow.

INSTALLATION

- A. Sprinklers must be handled with care. They must be stored in a cool, dry place in their original shipping package. Never install sprinklers that have been dropped or damaged in any way. Such sprinklers should be destroyed immediately.
- B. The sprinklers must be installed after the piping is in place to prevent mechanical damage. Before installing, be sure to have the appropriate sprinkler model and style, with the correct orifice size, temperature rating and response characteristics.
- C. Install pendent sprinklers in the pendent position and upright sprinklers in the upright position.
- D. After installation, the entire sprinkler system must be tested. The test must be conducted to comply with the installation standards. Make sure the sprinkler has been properly tightened. If a thread leak occurs, normally the unit must be removed, new pipe-joint compound or tape applied, and then reinstalled.
- E. After installation and testing and repairing of all leaks, remove the protective caps from sprinklers. Do not use any type of tool to remove the cap. Remove the cap by hand: turn it slightly and pull it off the sprinkler. When removing caps, be carefull to prevent dislodging or damaging sprinkler ejector spring and fusible element. The caps must be removed from sprinklers before placing the system in service.

WARNING

Always refer to the specification datasheet for the installation that provides cautions with respect to handling and installation of the flexible sprinkler hoses. Improper handling and installation can permanently damage a sprinkler system or its parts and cause the hose to fail to operate in fire situation or cause it to operate prematurely.