



FIRE SPRINKLER

VINCO FIRE AND SECURITY CO., LIMITED



Glass Bulb Sprinklers

- Glass bulb sprinklers, which is the main part of automatic sprinkler system, can be used to not just detect fire risk but control the fire and extinguish it by automatically spraying water. Since it can meet the requirements of protection from fire risks at degrees, glass bulb sprinklers are generally used in high buildings, hotels, department stores, and warehoused, etc.



conventional



upright



pendent



vertical sidewall



horizontal sidewall

Type	Specification	Nominal Diameter (mm)	Connect Thread (inch)	Flow coefficient (k)	Installation Method
Ordinary	T-ZSTP	DN15/DN20	½ or ¾	80/115	Upright or Pendent
Pendant	T-ZSTX	DN15/DN20	½ or ¾	80/115	Pendent
Upright	T-ZSTZ	DN15/DN20	½ or ¾	80/115	Upright
Sidewall	T-ZSTBS	DN15/DN20	½ or ¾	80/115	Sidewall Horizontal
Concealed	ZSTDY	DN15/DN20	½ or ¾	80/115	Pendent

Sprinkler Nominal Action	Max. Environment Temperature	Color of Glass Bulb
57°C	27°C	Orange
68°C	38°C	Red
79°C	49°C	Yellow
93°C	63°C	Green

Glass Bulb Fire Sprinkler



conventional



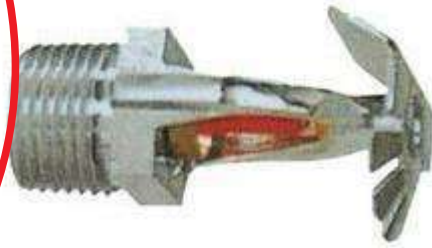
upright



pendent



vertical sidewall



horizontal sidewall

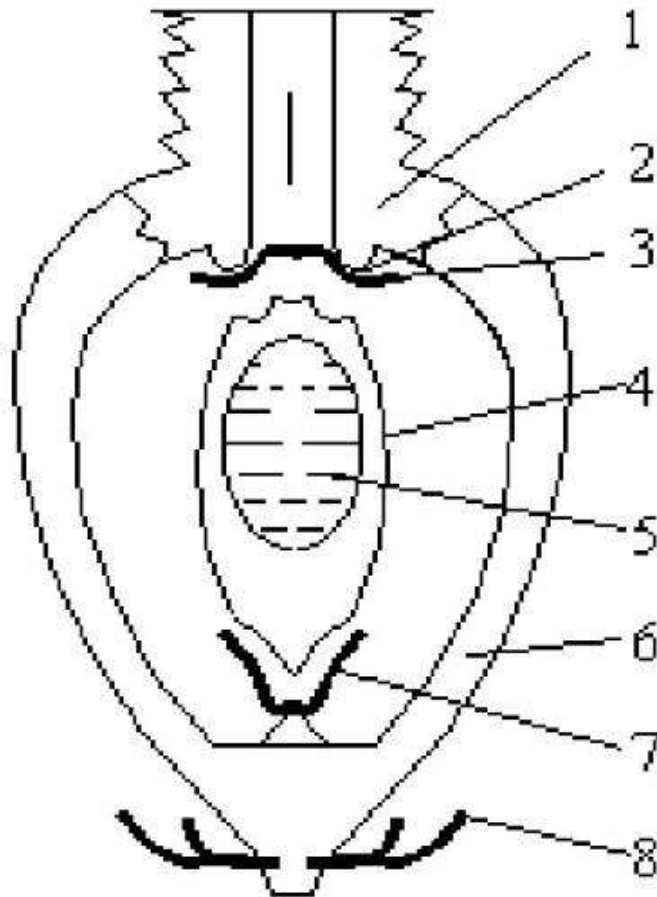
Glass Bulb Sprinkler ZST

Frame-----Brass
 Button-----Brass/Copper
 Bulb-----Glass
 Compression Screw-----Brass
 Deflector:-----Copper
 Seal-----Nickel alloy w/Teflon
 or NBR O-ring
 Max. Working Pressure-175 psi (12bar)

Flow Coefficient: $K=5.6(80,6)$
 $K=8.0(115,2)$
 Connect Thread: 1/2"R · 3/4"R
 1/2"NPT · 3/4"NPT
 Temperature(°C) : 57, 68, 79, 93, 141, 182
 (°F) : 135, 155, 175, 200, 286, 360
 Finish: Natural Brass, Chrome Plated, Pure
 White, Signal White
 Bulb: 3mm/5mm
 Approved: CCCF, ISO9001, ISO14001



Glass Bulb Fire Sprinkler Structure and curve



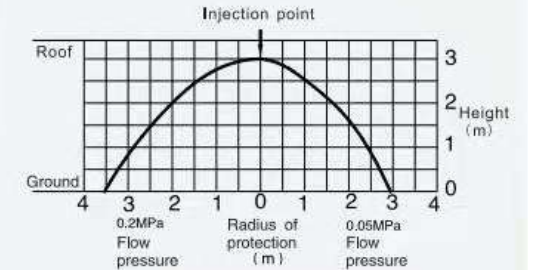
- 1-----Seat
- 2-----gasket
- 3-----plug
- 4-----glass bulb
- 5-----color liquid
- 6-----frame
- 7-----compression screw
- 8-----deflector

2. T-ZSTX 15 PENDENT SPRINKLER



SPRINKLER CHARACTERISTICS AND SPRAY CURVE

Characteristics: downward installation, water flows downward and dashes to the sprinkler of splash plate.



3. T-ZSTBS 15 HORIZONTAL SIDE-WALL-STYLE SPRINKLER



SPRINKLER CHARACTERISTICS AND SPRAY CURVE

Characteristics: horizontal installation beside wall. In certain protected areas, sprinkler makes water spray to one side.

