



T-ZST15 series thermo bulb sprinkler

□ **Product Description**

Thermo bulb sprinkler of T-ZST15 series is one of the most important members in automatic sprinkler system. They are used to detect fire. The thermo bulb would burst when being heated and the sprinkler sprays to put out the fire. This series can be extensively applied to protect restaurants, hotels, markets, buildings, warehouses and workshop and so on.

□ **Characteristics**

Thermo bulb sprinkler of T-ZST15 series is assembled by copper alloy, thermo bulb, tee, sealing member and deflector with good figure and compact conformation.

1 Sprinkler frame adopts copper alloy and has a high strength and strong corrosion stability. It is polished and chromeplated on the surface.

2 Temperature sensing thermo bulb is the product of German Job Company. It is dependable and reacting riskily with high strength. Sprinkler is assembled and detected by the line imported from German.

□ **Product Description**

Thermo bulb sprinkler of K-ZST15 series is one of the most important members in automatic sprinkler system. They are used to detect fire. The thermo bulb would burst when being heated and the sprinkler sprays water to put out the fire. This series can be extensively applied to protect restaurants, hotels, shops, buildings, warehouses and workshops and so on.

□ **Characteristics**

Thermo bulb sprinkler of K-ZST15 series is assembled by copper alloy, thermo bulb, tee, sealing member and deflector with good figure and compact conformation.

1 Sprinkler frame adopts copper alloy and has a high strength and strong corrosion stability. It is polished and chromeplated on the surface.

2 Temperature sensing thermo bulb is the product of German Job Company. It responds riskily with high strength to put out the fire and reduce the loss. Sprinkler is assembled and detected by the line imported from German.



K-ZST15 series thermo bulb sprinkler



T-ZST20 series thermo bulb sprinkler

Product Description :

Thermo bulb sprinkler of T-ZST20 series is one of the most important members in automatic sprinkler system. They are used to detect fire. The thermo bulb would burst when being heated and the sprinkler sprays to put out the fire. This series can be used in the places with low water supply pressure but large sprinkling area, and be extensively applied to protect such as hospitals, schools, clubs, office buildings, hotels, auditoriums, restaurants, recreation places and so on.

Technical Traits :

- Joint screw thread : R3/4
- Rated pressure : 1.2MPa
- Inside nominal diameter : 20mm
- Factory test pressure : 3.0MPa
- K-factor : 115±6
- Diameter of thermo bulb : Φ5

□ **Product Description**

Thermo bulb sprinkler of K-ZST20 series is one of the most important members in automatic sprinkler system. They are used to detect fire. The thermo bulb would burst when being heated and the sprinkler sprays water to put out the fire. This series can be extensively applied to protect restaurants, hotels, shops, buildings, warehouses and workshops and so on.

□ **Characteristics**

Thermo bulb sprinkler of K-ZST20 series is assembled with copper alloy, thermo bulb, tee, sealing member and deflector with good figure and compact conformation.

1 Sprinkler frame adopts copper alloy and has a high strength and strong corrosion stability. It is polished and chromeplated on the surface.

2 Temperature sensing thermo bulb is the product of German Job Company. It responds riskily with high strength to put out the fire and reduce the loss. Sprinkler is assembled and detected by the line imported from German.



K-ZST20 series thermo bulb sprinkler





T-ZSTD concealed sprinkler

Product Description

This sort of sprinkler is applicably installed on the sites with luxurious decoration and high required appearance, such as hotel, restaurant, bar, and taproom and etc. And also be available in the space that limited by decoration and air condition, and in the sites with probability to touch the exerted sprinkler.

Characteristics

- 1 It is made up of appropriate sprinkler, lag, inner cover and bottom cover. In extinguishing process, the fusible alloy between bottom cover and inner cover will melt down and bottom cover breaks away. When outside temperature achieves the rated action temperature of thermo bulb, the bulb will crack and sprinkler will operate.
- 2 The sprinkler has a good appearance and is well decorated. There is 10mm for adjusting up or down at the bottom. Easy installation and determinate impact resistance can be guaranteed.
- 3 The heat sensitivity of sprinkler is accordant to that of hidden one. There are 3 choices on decorated appearance of the bottom cover for customers: copper plated, chrome plated and plastic.



ZSTBS-20EC expansion-covering horizontal side-wall type sprinkler

Product Description

ZSTBS-20EC is the sprinkler of expansion-covering horizontal side-wall type adopting quick-responding thermo bulb with a diameter of 3mm. It is used in the less dangerous places, such as stores, hotels, seats area of restaurants, and offices. Its max area of coverage can reach 4.9m × 7.3m.

Characteristics

- Thermo bulb sprinkler of ZSTBS-20EC series is assembled with copper alloy, thermo bulb, tee, sealing member and deflector with good figure and compact conformation.
- 1 Sprinkler frame adopts copper alloy and has a high strength and strong corrosion stability. It is polished and chromeplated on the surface.
 - 2 Temperature sensing thermo bulb is the product of Germany Job company. It responds riskily with high strength to put out the fire and reduce the loss. This sprinkler is produced and detected by the line imported from German.



ZSTX-20A (k=160) large caliber and quick-response sprinkler

Product Description

Large-caliber and quick-response sprinkler of ZSTX-20A adopts quick-response thermo bulb. The diameter of thermo bulb is 3mm and be used in less dangerous areas of low water pressure but large sprinkling area.

Characteristics

- It is assembled by copper alloy, thermo bulb, tee, sealing member and deflector with good figure and compact conformation.
- 1 Sprinkler frame adopts copper alloy and has a high strength and strong corrosion stability. It is polished and chrome plated on the surface.
 - 2 Temperature sensing thermo bulb is the product of German Job company, It responds riskily with high strength to put out the fire so as to reduce the loss. This sprinkler is produced and detected by the line imported from German.



ESFR sprinkler

ESFR (Early Suppression, Fast Response) ceiling mounted sprinklers can be used in warehouses in place of in-rack fire sprinkler systems. ESFR provides protection that exceeds that of in-rack systems.

ESFR high output, high volume systems are located in ceiling spaces as with conventional fire sprinkler systems. It incorporates very large high volume, high pressure heads to provide the necessary protection without the need for in-rack sprinklers.





- D-System
 - A water tank, pump, pipe assembly, and control panel are built into just one compact unit, D-System, so that it is very easy to install in a limited small space. All components meet NFPA 13D requirements.



- Compact Foam Water Monitor
 - All acid-proof stainless steel 316. Electric remote controlled 12 or 24 V.
 - The digital control makes it possible to connect any auxiliary control unit. Multiple monitors can be linked together and controlled over a network.
 - "Record and play" function repeats sequence for horizontal, vertical and spray pattern actions. Gears and motors designed for heavy industrial use.
 - Salt-water, dirt and marine environments resistant. Nozzles with fixed teeth generate a full and effective fog pattern.
 - Teeth can be retracted to give a very large water curtain.
 - Travel: 360° horizontally, -90/+70° vertical
 - Emergency manual override
 - Flow Capacity: Selectable flow nozzle 400 -2000 lit/min at 10 bar. Straight stream only nozzle also available.
 - Throwing distance: +60 m at 2000 l/min
 - Max Operating Pressure: 16 bar
 - Nozzle: Stainless steel /bronze w. integrated gear drive.
 - Size: 235 x 345 x 480 mm
 - Connection: 2" male BSP, Flange as optional
 - Weight including nozzle: 16 kg
 - Power consumption: max 6A at 24V



- Automatic Sprinkler

With distinguish CD25xx from CD15xx, CD25xx is a newly compact design, appropriate for all purpose application, includes for use in the stainless steel flexible sprinkler hose for a clean room circumstance for modern high-building, high-quality technical factories and hospitals.

The pendent Sprinkler Identification Number (SIN) CD2511 CD2521 are available in pendent (SSP) and upright (SSU) spray patterns. These standard orifice spray sprinklers are incorporated with $\phi 5$ mm glass bulb for standard response, rated 68 \square (155 \square) or 79 \square (175 \square) supplied by Day-Impex, model DI-937; or $\phi 3$ mm glass bulb for quick response, rated 155 \square or 175 \square supplied by Day-Impex, model DI-941.



- 68 \square Concealed Sprinkler Head

The Chang Der AHD 203N two piece adjustable escutcheon concealed type is used with a pendent sprinkler to provide a low profile decorative sprinkler. The escutcheon's two piece design allows the installation and testing of the sprinkler prior to the installation of the ceiling. The outer cap can be removed and re-installed allowing access above removable ceiling panels for servicing building equipment without shutting down the sprinkler system and removing the sprinkler the slip-on feature allows for minor adjustments due to pipe or ceiling pitch.



- Foam Head
 - AHD 201D 1/2" foam head with washable screen by means of turn apart the screw thread collar.
 - Material frame brass ASTM B124 C37700, Screen stainless steel wire ASTM A313 S30400.
 - Installation: 1/2" PT(NPT) male thread inlet.





□ Vertical Foam Liquid Tank

- The foam liquid tank is used to store the foam liquid, which is served in a garage, parking area incorporated with foam head, foam proportioner and the other equipments to construct a foam system.
- The inside of the tank is a rubber bladder which separates foam liquid and water, the bladder of acid-resistant can assure the foam liquid quality.



□ Deluge Valve

- AVD 5001D 2" threaded horizontal pattern
- The valve is used in wet pipe sprinkler which is made in accordance with the standard UL260 Dry pipe and deluge valve for fire-protection service
- Material cast iron ASTM A48 class NO35
- Rated pressure 175psi test pressure 350psi
- Marking UL LISTED 2S57 2 DELUGE VALVE



□ Water Flow Alarm Valve System

- AVD 911O 4" Model A flanged end vertical installed alarm check valve
 - AVD 942A 6" Model A flanged end vertical installed alarm check valve
 - The valve is made in accordance with UL 193 Alarm Valves for fire-protection service
 - Material cast iron ASTM A48 class No35
 - Rated pressure 175psi, test pressure 350psi
 - Marking UL LISTED 3S58 A 175psi 4"/6" ALARM CHECK VALVE
 - Installation flange dimensions ANSI B16.1 class 125/ANSI B16.5 class 150
 - Material cast iron ASTM A48 class No35
 - Marking UL LISTED 3S58 RETARD CHAMBER MODEL A
 - Installation vertical 1/2 NPT(PT) thread female inlet 3/4 NPT(PT) female thread outlet and 1/2 NPT(PT) female thread drain
 - AVD2911N Model A water motor gong, which is made in accordance with UL193.
 - Material water motor aluminum alloy ASTM B26 356.0, gong shell aluminum alloy ASTM B209 6061
 - Marking UL MODEL A DRAIN on water motor.
- SPRINKLER ALARM
FIRE PROTECTION EQUIPMENT CHANG DER
FIRE PROTECTIONS CORP. WHEN BELL RINGS
CALL FIRE DEPT on gong shell.





ZSFZ wet type alarm valve



ZSFM deluge alarm valve



ZSFC dry-type alarm valve

Valve

- 1) ZSFZ wet-type alarm valve
- 2) ZSFM deluge alarm valve
- 3) ZSFC dry-type alarm valve
- 4) ZSFU pre-act system
- 5) Temperature sensing deluge alarm valve
- 6) ZSFX-D signal butterfly valve
- 7) ZSFX-Z signal gate valve
- 8) ZSFP automatic exhaust valve
- 9) ZSFPD25 electric exhaust valve group



ZSFU pre-act system



Temperature sensing deluge alarm valve



ZSFX-D signal butterfly valve



ZSFX-Z signal gate valve



ZSFP automatic exhaust valve



ZSFPD25 electric exhaust valve group





indoor fire hydrant



Outdoor fire hydrant

Outdoor anti-collision fire hydrant



Indoor reduced pressure and stable pressure fire hydrant

Hydrants

- 1) Indoor reduced pressure and stable pressure fire hydrant
- 2) Indoor/ outdoor fire hydrant
- 3) Outdoor anti-collision fire hydrant
- 4) ZSPK65 fire hydrant test set
- 5) SG fire hydrant cabinet



SG Series fire hydrant cabinet



ZSPK 65 Fire hydrant test set





- IG-100TBS (Nitrogen Gas)
 - Non-conductive
 - Easy to clean up after discharge
 - No chemical impact to properties (Inert gas)
 - No water damage
 - Zero Ozone depletion potential
 - Zero Global warming Potential
 - Three dimensional protection (Heat, Oxygen, Chain-of-Reaction) => To remove one of three dimensions



- Intelligent Automatic Self-propelled Fire Extinguishing System
 - Mini AFEX is the automatic fire extinguishing equipment complete with two ultraviolet flame detectors, an actuator, a glass bulb and a small cylinder. This fire suppression system is designed to extinguish a fire inside electrical enclosures or cabinets such as switchgear cubicles and motor control centers.



- Intelligent Automatic Self-propelled Fire Extinguishing System
 - This is a floor-mounted standalone automatic fire-extinguishing robot which is composed of a conventional cylinder for fire extinguishers, a nozzle, a flame detector, and an infrared camera in a compact box. It monitors a fire for 24 hours, 7 days in the place of a human being.



- Flying Automatic Self-propelled Fire Extinguishing System
 - Flying AFEX is an automatic fire extinguishing robot that travels on a monorail below the ceiling, and is electric motor operated. It mainly consists of an ultraviolet fire detector, two extinguishing cylinders, a motor for traveling, an infrared CCD camera, and two 12V batteries for commercial use.



- FM200 Gaseous Fire Fighting System
 - FM200® is immediately available to protect most hazards traditionally protected using Halon 1301. It is effective in the protection of data processing, telecommunications and electronic equipment as well as most flammable liquids and gases.

