

The FOREDE® Brand ZSTM A Series Water Curtain Nozzle is one of the important components in the fire protection system. It is usually combined with rain alarm valve, water supply pipe network and detection alarm device to form a water curtain fire protection system. It is suitable for the water curtain partition of large spaces in buildings and structures that need water curtain protection, the cooling protection of windows, cornices, and the wall of the combustion body structure, and the cooling protection of the fire shutters installed in the building. It is also widely used in petrochemical storage tanks. Cooling protection and fire protection of dangerous goods terminals.

**FEATURES**

- Limit the burning speed, reduce fire damage, reduce the risk of explosion, and promote the dilution and emission of steam.
- Only water is used as a fire extinguishing agent, which is economical.
- It can be effectively used in conjunction with other fire extinguishing systems.



**APPLICATION**

- ◆ Workshops
- ◆ Halls
- ◆ Theaters
- ◆ Stages
- ◆ Garages

Model	ZSTM A				
Size	DN15	DN20	DN25	DN32	DN40
K Factor	K= 20-30	K= 30-45	K=50-65	K=70-100	K=100-150
Connect Thread	BSP / NPT				
Main Material	Brass				
Surface Finish	Chrome				

## **INSTALLATION**

- ❖ Installation under the guidance of professionals, and do not install or replace parts without authorization.
- ❖ Apply a small amount of pipe-joint compound or tape to the external threads of the spray nozzle only, taking care not to allow a build-up of compound inside the inlet.
- ❖ Install the nozzle on the fixed piping, using the special sprinkler/spray nozzle wrench only. Take care not to over-tighten or damage the spray nozzle. DO NOT use the deflector to start or thread the unit into a fitting.

## **OPERATION**

When a fire occurs, the detection and alarm device will give an alarm and open the rain alarm valve to supply water to the pipe network system. When the water flows through the nozzle of the nozzle, dense granular water droplets are sprayed from the semi-circular opening in a predetermined direction to form a water curtain. Come to cool and protect fireproof rolling shutter doors, theater curtains, etc. It can also play a role in fire resistance and isolation.

## **MAINTENANCE**

- ❖ Spray nozzles must be inspected on a regular basis for corrosion, mechanical damage, obstructions, paint, etc. Where open spray nozzles are installed, verify that foreign materials (such as dust, dirt, etc.) DO NOT restrict or plug the waterspray. The frequency of inspections may vary due to corrosive atmospheres, water supplies, and activity around the device.
- ❖ Spray nozzles that have been painted or mechanically damaged must be replaced immediately. Nozzles showing signs of corrosion shall be tested and/or replaced immediately as required. When replacing spray nozzles, use only new Spray Nozzles.
- ❖ The spray nozzle discharge pattern is critical for proper fire protection. Therefore, nothing should be hung from, attached to, or otherwise obstruct the discharge pattern. All obstructions must be immediately removed or, if necessary, additional nozzles installed.
- ❖ D. Fire protection systems that have been subjected to a fire must be returned to service as soon as possible. The entire system must be inspected for damage and repaired or replaced as necessary. Spray nozzles that have been exposed to corrosive products of combustion or high ambient temperatures, should be replaced.

### **ORDERING GUIDE**

- Model Number
- Inlet Connection way, size and standard.
- Order Quantity
- Shipping/Transportation Way

**\*Other special requirements please contact FOREDE SALES TEAM.**

**Tips: for more related products or other firefighting equipment, please forward to our website, [www.forede.com](http://www.forede.com)**