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### **CA-FIRE PROTECTION CO.,LTD**

ADD:YUYE Industry Area, MEILIN Town, NANAN City, Fujian Province  
TEL:0086-595-26951800

FAX:0086-595-86028119

<https://cafire.en.alibaba.com>

E-mail:sales@ca-fire.com

Insured by PICC and China Life Insurance Company



## CA-FIRE PROTECTION



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## Alarm Valve



### Wet Alarm Valve

### Wet Alarm Valve (Groove Type)

#### • Product Introduction

The alarm valve is a key component of automatic wet pipe sprinkler system, is filled with pressurized water in its pipeline, in a standby operating for a long time, when there is fire in the protection area, the ambient temperature rises up, the heating elements of the sprinkler nozzle is broken, the sprinkler sprays the water and automatically starts the system to inject directly the water to the fires and give an alarm. The system is applicable for the ambient temperature range of 4~70°C, the construction or structures can be put out by water, is generally installed in high building or garage in the occasions where may occur fire accidents like production site, warehouse, hotel, mall, hospital and office building.

#### • Technical Parameters

| Specifications        | Wet Alarm Valve<br>ZFSZ-80/100/125/150/200/250-1.6 |       |       |       |       |       | Wet Alarm Valve (Groove type)<br>ZSFG-100/150-1.6 |       |
|-----------------------|--|-------|-------|-------|-------|-------|---|-------|
|                       | DN80   | DN100 | DN125 | DN150 | DN200 | DN250 | DN100   | DN150 |
| Height(mm)            | 213  | 243   | 245   | 254   | 322   | 318   | 248   | 307   |
| Working pressure      | 1.6MPa   |       |       |       |       |       | 1.6MPa  |       |
| Seal test             | 3.2MPa   |       |       |       |       |       | 3.2MPa  |       |
| Stress test           | 6.4MPa   |       |       |       |       |       | 6.4MPa  |       |
| Frictional resistance | <0.02MPa   |       |       |       |       |       | <0.02MPa  |       |



## Deluge Alarm Valve

### • Product Introduction

This product is a direct-sealing diaphragm valve, its diaphragm is made from imported rubber materials, it has the features of reasonable structure, reliable performance, convenience for operating, simple maintenance. It has no shaft or metal disc inside, therefore, it has no trouble of corrosion. It is widely applied in various open-type system (open-type sprinkler is installed at the side pipe) such as deluge system, water curtain system and water mist system.

## Dry Alarm Valve

### • Technical Parameters

| Specifications   | Deluge Alarm Valve<br>ZSFM-65/80/100/125/150/200/250-1.6   |      |       |       |       |       | Dry Alarm Valve<br>ZSFC-100/150/200-1.6 |       |       |
|------------------|--|------|-------|-------|-------|-------|---|-------|-------|
|                  | DN65   | DN80 | DN100 | DN150 | DN200 | DN250 | DN100                                   | DN150 | DN200 |
| Height(mm)       | 270  | 300  | 308   | 416   | 535   | 615   | 375                                     | 445   | 615   |
| Working pressure | 1.6MPa   |      |       |       |       |       | 1.6MPa                                  |       |       |
| Seal test        | 3.2MPa   |      |       |       |       |       | 3.2MPa                                  |       |       |
| Strength test    | 6.4MPa   |      |       |       |       |       | 6.4MPa                                  |       |       |
| Control mode     | Electrically starting/ guide pipe control / manual control |      |       |       |       |       |   |       |       |



# WATER FLOW INDICATOR

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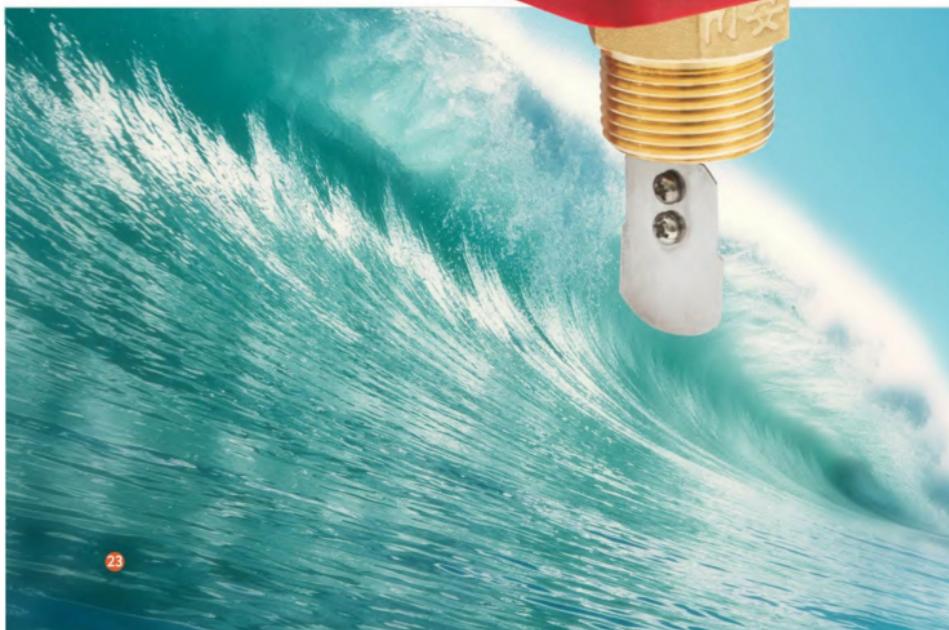
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## Water Flow Indicator

JSJZ 25-S

### • Technical Parameters

| Specifications       | DN 25                                 |
|----------------------|---------------------------------------|
| Water Flow Indicator |                                       |
| Working pressure     | 1.6MPa                                |
| sensibility          | alarm flow $\leq$ 15L/min ~ 37.5L/min |
| contact rating       | 120/240VAC                            |
| contact output       | NO, NC a pair each                    |
| delay time           | 2~90s                                 |





## Water Flow Indicator With Gap Bed

### • Product Introduction

The indicator is a component of automatic sprinkler system, generally installed at the begin of distributing main or distributing pipe of system pipeline. When the blade touches the water flow signal, the flow signal will be converted into electric signal, the automatic alarm controller receives the signal, gives an order to start the alarm system or fire water pump or others, and displays the fire zone. The product is applicable for wet, dry or pre-action automatic sprinkler system.

### • Technical Parameters

| Specifications                    | DN50                         | DN65  | DN80  | DN100 | DN125 | DN150 |
|-----------------------------------|------------------------------|-------|-------|-------|-------|-------|
| Flange length                     | 170mm                        | 170mm | 180mm | 200mm | 195mm | 210mm |
| Working pressure                  | 1.6MPa                       |       |       |       |       |       |
| sensitivity                       | alarm flow≤15L/min~37.5L/min |       |       |       |       |       |
| contact rating                    | 120/240VAC                   |       |       |       |       |       |
| contact output                    | NO, NC a pair each           |       |       |       |       |       |
| delay time                        | 2~90s                        |       |       |       |       |       |
| Water Flow Indicator With Gap Bed |                              |       |       |       |       |       |
| Specifications                    | DN50                         | DN65  | DN80  | DN100 | DN125 | DN150 |
| diameter of opening               | 40mm                         | 40mm  | 46mm  | 51mm  | 51mm  | 51mm  |



#### **16K50 Ductile Iron Fire Angle Valve**

Material: Ductile iron body, Aluminium alloy coupling  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Vietnam standard)  
Inlet: 2" BSP Female Thread (DN50)  
Outlet: 2" (DN50) GOST (Vietnam standard)  
Available Size: 2" (DN50)



#### **16K65 Ductile Iron Fire Angle Valve**

Material: Ductile iron body, Aluminium alloy coupling, Iron handwheel  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Vietnam standard)  
Inlet: 2.5" BSP Female Thread (DN50)  
Outlet: 2.5" (DN65) GOST (Vietnam standard)  
Available Size: 2.5" (DN65)



#### **Two Ways Fire Hydrant 65-16k-65**

Material: Ductile iron body, Aluminium alloy coupling and handle wheels  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Russia Type)  
Inlet: DN100 (4") in Flange  
Outlet: DN65 (2.5") GOST  
Available Size: 4" (DN100)

### Fire Pump Connector

Material: Ductile body, Aluminium alloy coupling  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Russia Type)  
Inlet: DN65 (2.5") GOST x 2  
Outlet: DN100 (4") Flange  
Available Size: 4" (DN100)



### Three Ways Fire Hydrant SS100/65-1.6

Material: Cast iron body, Aluminium alloy coupling  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Russia Type)  
Inlet: DN100 (4") in Flange  
Outlet: DN65 (2.5") GOST x 2, DN100 x 1  
Available Size: 4" (DN100)



### Fire Pump Connector with Handwheel

Material: Ductile body, Aluminium alloy coupling, iron handwheel  
Working Pressure: 16 bar (232 psi)  
Testing Pressure: 17.6 bar (255 psi)  
Coupling Style: GOST (Russia Type)  
Inlet: DN65 (2.5") GOST x 2  
Outlet: DN100 (4") Flange  
Available Size: 4" (DN100)



# FIRE SIGNAL GATE VALVE

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## Fire Signal Gate Valve





### • Product Introduction

The gate valve is an elastic-seat, divided into (by forms) gate valve with scale display, rising-stem gate valve, signal gate valve, groove-type gate valve, it stresses on every detail of the design, has built-in safety system, its disc is wholly covered and vulcanized by EPDM synthetic rubber, the valve has outstanding serviceability because of the compressive resilience of rubber, dual-layer bonding/vulcanizing process and solid disc structure. The remarkable reliability of the valve owes to the triply safe sealing system of the valve spindle, super strong valve spindle and comprehensive corrosion resistance, it is especially suitable for the pipelines in automatic sprinkler system and fire hydrant system, or can be used as ideal cutoff device for the pipelines in water supply/drainage, petroleum and chemical industries.

### • Nominal Operating Temperature And Color Code

| Specifications           | Flange type<br>ZSXZF4-Q |    |    |     |     |     |     |
|--------------------------|-------------------------|----|----|-----|-----|-----|-----|
|                          | 50                      | 65 | 80 | 100 | 125 | 150 | 200 |
| Rated operating pressure | 1.6MPa                  |    |    |     |     |     |     |
| Strength test pressure   | 4.8MPa                  |    |    |     |     |     |     |
| Applicable medium        | Water, foam mixture     |    |    |     |     |     |     |
| Temperature of medium    | 4~70°C                  |    |    |     |     |     |     |
| Switch contact rating    | DC24V 0.5A              |    |    |     |     |     |     |



送申稿  
Tel:400-633-5118