

RUIGANG Water Mist Fire Suppression Systems High Pressure AC 380V

Our Product Introduction

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Basic Information

- Place of Origin: Guangzhou, Guangdong, China
- Brand Name: RUIGANG
- Certification: CCC/ISO9001/ISO14001/ISO10012/ISO45001
- Minimum Order Quantity: 1 set system
- Price: negotiation
- Packaging Details: Plywood outer box with bubble bag or paper
- Delivery Time: 15~20 working days
- Payment Terms: L/C, T/T
- Supply Ability: 10000 sets per month



Product Specification

- Product Name: High Pressure Water Mist System
- Operating Temperature: 4°C~50°C
- Working Start Power Supply: AC 380V
- Rated Working Pressure: 13 / 14 / 16 MPa
- Highlight: ruigang water mist fire suppression systems, ruigang water mist fire protection systems, ac 380v water mist fire protection systems

Product Description

RUIGANG Fire Extinguishing High Pressure Water Mist System AC 380V

Environmental Friendly And Rapid Fire Extinguishing High-pressure Water Mist System



High pressure water mist system is a kind of clean and efficient fire extinguishing system, which uses water as the medium to extinguish fire by efficient cooling and asphyxiation, and effectively controls thermal radiation and anti-reignition.

High pressure water mist system has the advantages of safety and environmental protection, water saving, efficient and continuous fire extinguishing, heat resistance and purification, good electrical insulation, strong applicability, high fire extinguishing efficiency, high reliability, flexible configuration, space saving, easy maintenance and so on.

The system can be divided into open system and closed system. The closed system can be divided into wet system and pre-acting system. Applicable to Class A, Class B, Class C, Class E, Class K and fire with electric equipment, It is widely used in archive room, library, museum, tobacco warehouse, oil-immersed transformer, diesel generator room, oil storage room, fuel boiler room, combustible gas production and storage use place, power distribution room, cable tunnel, control room, electronic communication equipment room, etc.

This is a highly efficient water-based fire suppression system that uses specially designed nozzles to create a fine mist in protected areas. The system is designed to operate at 14 MPa pressure and with micro-droplets with the size of $Dv0.50 < 200\mu m$, $Dv0.99 < 400\mu m$.

The system suppresses a fire by:

Cooling: The fine mist is of higher heat absorption efficiency than other agents.

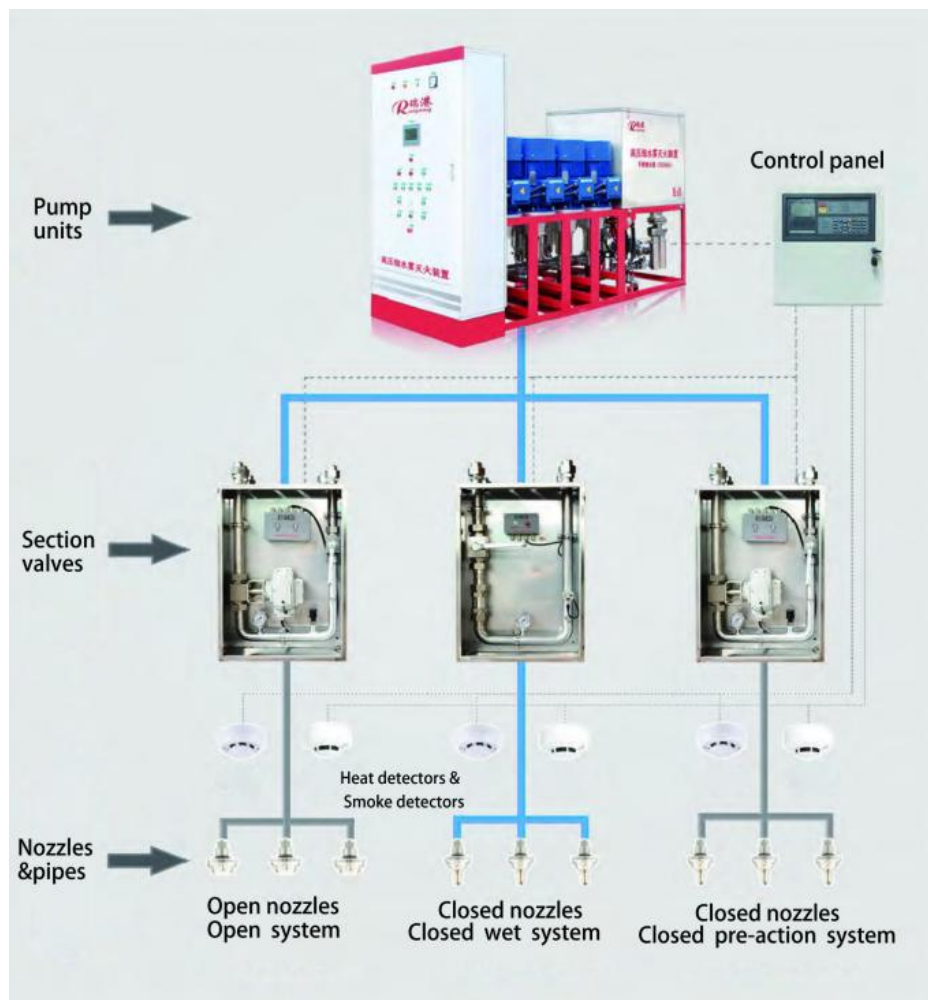
Inerting: The volume of fine mist can expand to 1700 times when vaporize, which will reduce oxygen concentration.

Interrupting: The fine mist has good performance in blocking heat radiation.

Product Features

1. The control valve group is an deluge valve, proportional mixer, balance valve and other components, which has compact structure and convenient operation to ensure accurate mixing ratio;
2. It has the dual advantages of water spray fire extinguishing and foam-water spray fire extinguishing. It adopts water film-forming fire extinguishing agent with strong adhesion, effectively covering flowing fires and preventing re-ignition;
3. The valve group is linked with the control system, which can remotely and quickly process fire signals and control the action of fire extinguishing devices;
4. The system has three starting modes: automatic control, manual control and emergency operation.
5. The system has the advantages of simple pipeline layout, large nozzle flow and wide coverage area.

Type of high-pressure water mist system



Main Technical Parameters

The system implements standard	XF 1149-2014	
Operating temperature (°C)	4~50	
Rated working pressure (MPa)	13 /14 / 16	
Working start power supply	AC 380V	
Rated flow of a single pump set (L/min)	112, 134 (nine-plunger)	160 (three-plunger)
Starting mode	Automatic, manual, mechanical emergency	
Maximum single-zone protection area volume (m³)	≤3000	
Sprinkler maximum layout spacing (m)	≤3	
Standard volume of buffer tank (m³)	1	

Pump units

Model	Rated pressure (MPa)	Rated flow (L/min)	Power (KW)	Water pumps (pc)	Jockey pumps (PC)
XSW BG 112/14-RG	14	112	30x1	1+1(standby)	2
XSW BG 224/14-RG	14	224	30x2	2+1(standby)	2
XSW BG 336/14-RG	14	336	30x3	3+1(standby)	2
XSW BG 448/14-RG	14	448	30x4	4+1(standby)	2
XSW BG 560/14-RG	14	560	30x5	5+1(standby)	2
XSW BG 672/14-RG	14	672	30x6	6+1(standby)	2
XSW BG 784/14-RG	14	784	30x7	7+1(standby)	2

Applicable place

- ▶ Combustible solid fire in logistics warehouse, museum, cultural relics library, library, archives and other places;
- ▶ Flammable liquid fire in painting workshop, oil-immersed power transformer room, hydraulic station, diesel generator room, direct gas turbine room and other places;
- ▶ Gas turbine room, gas direct combustion engine room and combustible gas production, storage and use of fire places;
- ▶ Electrical fire in electronic data processing room, communication room, high and low voltage transformer and distribution room, cable tunnel, cable sandwich and other places;
- ▶ Fire in highway tunnel, subway, railway tunnel and other places;
- ▶ Can be used in some chemical facilities cooling and environmental protection temperature control dust and other places.



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