

Water Mist Fire Suppression Systems

HANGZHOU PRI-SAFETY FIRE TECHNOLOGY CO.,LTD.

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Summary

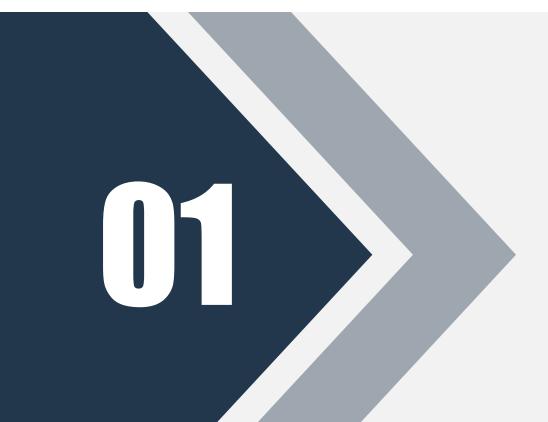


Pump Pressurized Type Water Mist Fire System

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Gas Cylinder Pressurized Type Water Mist Fire System





Product Description

PRI-SAFETY



Product Description.

A water mist system is a fire protection system which uses very fine water sprays (i.e. water mist). The small water droplets allow the water mist to control, suppress or extinguish fires by:

- ◆ Cooling both the flame and surrounding gases by evaporation
- ◆ Displacing oxygen by evaporation
- ◆ Attenuating radiant heat by the small droplets themselves



Product Description.

The effectiveness of a water mist system in fire suppression depends on its spray characteristics, which include the droplet size distribution, flux density and spray dynamics, with respect to the fire scenario, such as the shielding of the fuel, fire size and ventilation conditions.







Product Advantages

PRI-SAFETY



Product Advantages.

The use of water mist fire suppression, when compared to the use of gaseous agents and traditional sprinkler systems, has revealed advantages such as:

Immediate activation

- ◆ High efficiency in the suppression of a wide variety of fires
- Minimized water damage
- ◆ Environmentally sound characteristics
- ◆ No toxic problems





Pressure Rating

PRI-SAFETY



Pressure rating.

PRI-SAFETY Water Mist Fire Suppression Systems		
Brand Name	PRI-SAFETY	
Low pressure system	175 psi and 500 psi	
Intermediate pressure system	500 psi and up	
High pressure system	1,500psi and up	





Summary

PRI-SAFETY



Summary.

So really high pressure system, specialized tubing or piping that's used for that. Now, there are differences between water mist systems and the droplet sizes that they produce, so typically the smaller the water droplet size the better it is at extinguishing a hot fire. Larger droplets can work faster on lower temperature fires, but they all work for the systems that they're approved for or listed for.





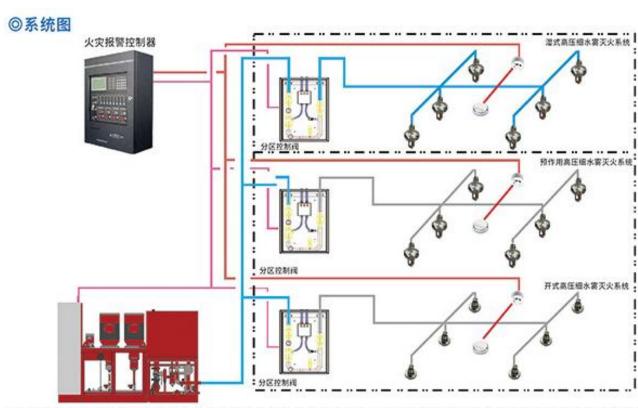
Pump Pressurized Type

Water Mist Fire System



Pump Pressurized Type Water Mist Fire System.





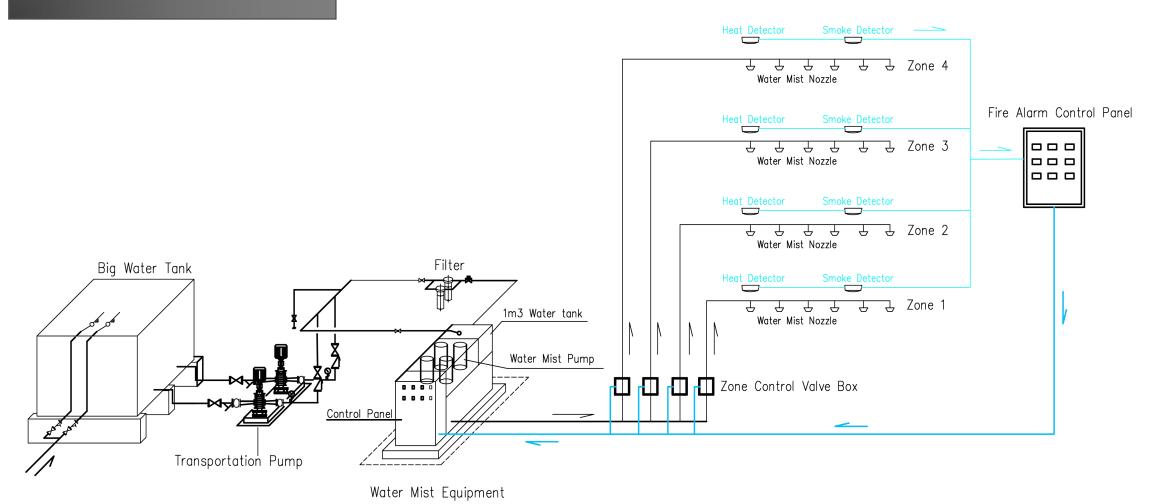


Specification.

Pump Pressurized Type Water Mist Fire System Dimension (mm) **Code Number Working Pressure** Flow (L/Min) Note Pump Speed (r/Min) One Work One 112 XSWBG112/14-PRI 14MPa 1470 2200x1200x2000 Spare Two Work One XSWBG224/14-PRI 14MPa 224 1470 2650x1200x2000 Spare Three Work One XSWBG336/14-PRI 14MPa 336 1470 2650x1200x2000 Spare Four Work One XSWBG448/14-PRI 14MPa 448 1470 3100x1200x2000 Spare Five Work One XSWBG560/14-PRI 14MPa 560 1470 3100x1200x2000 Spare Six Work One 14MPa 672 1470 XSWBG672/14-PRI 3550x1200x2000 Spare Seven Work One XSWBG784/14-PRI 14MPa 784 1470 3550x1200x2000 Spare



CAD Drawings.





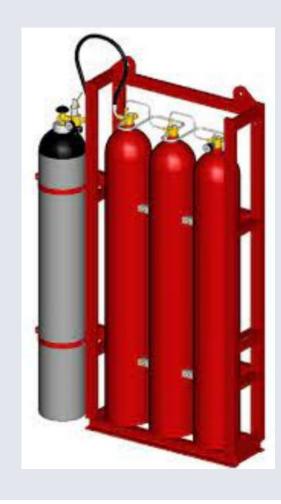


Gas Cylinder Pressurized Type

Water Mist Fire System



Gas Cylinder Pressurized Type Water Mist Fire System.



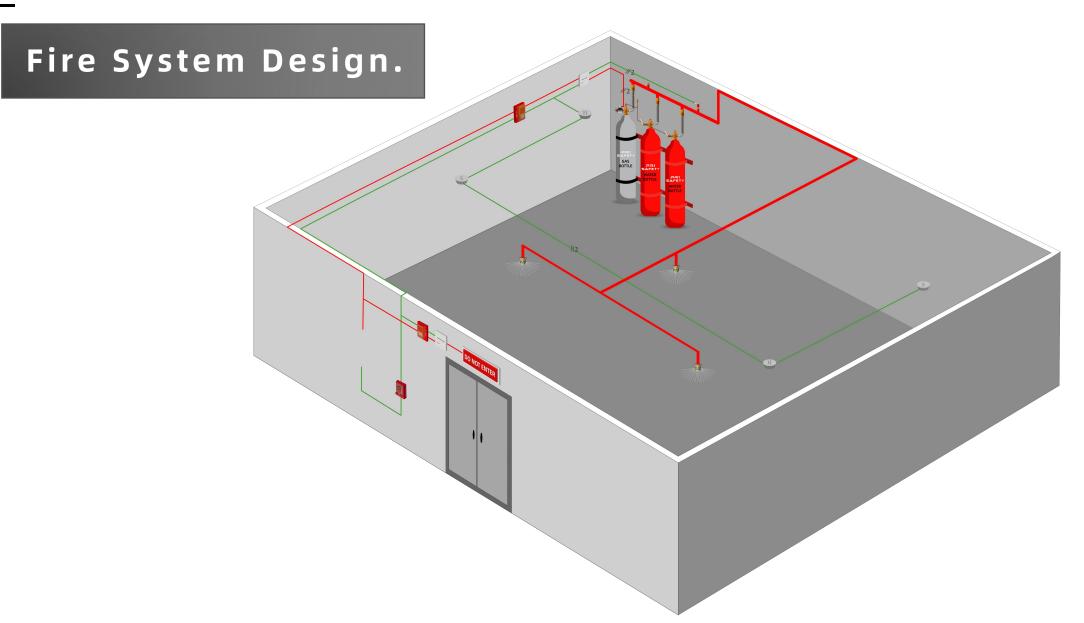
The Gas Cylinder
Pressurized Type Water
Mist Fire System Suitable
for Small Space, and No
need Fire Pump and Water
Tank, Easy and Economic.



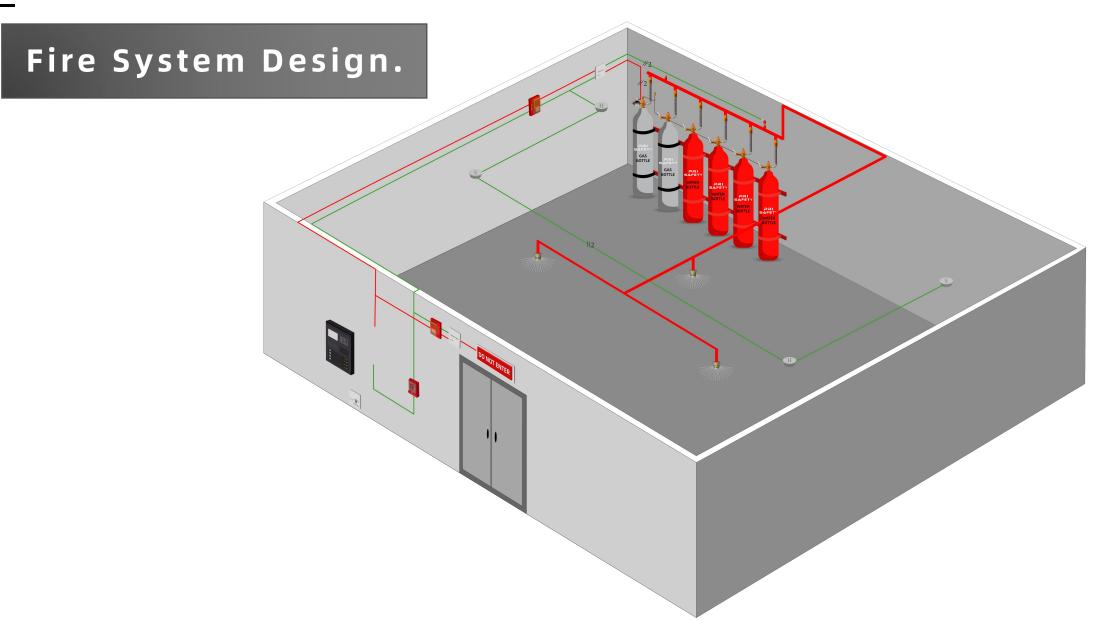
Gas Cylinder Pressurized Type Water Mist Fire System.

Specification:		
Code Number	Working Pressure	Water Capacity
GSW-nx70/10-PRI	10MPa	nx 70L
GSW-nx90/10-PRI	10MPa	nx 90L
GSW-nx120/10-PRI	10MPa	nx 120L
GSW-nx150/10-PRI	10MPa	nx 150L



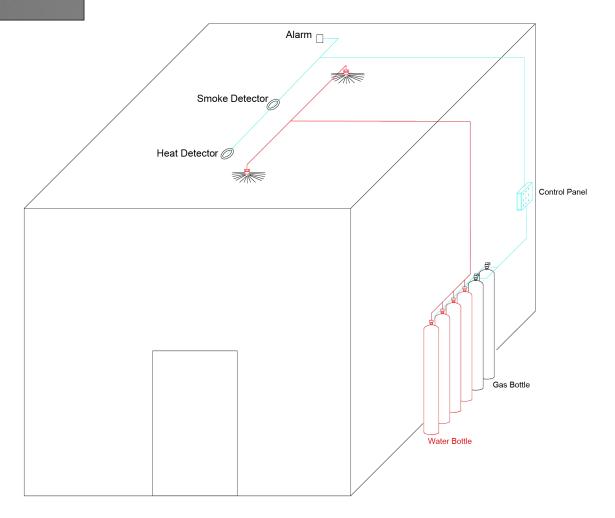








CAD Drawings.







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