

SOLENOID VALVES

MISTING | FOGGING | SPRAYING SYSTEMS

Commercial Misting is a broad application where a wide variety of products from DEMA and GC Valves are used. Below you will find explanations of a number of our products commonly used in Misting systems for fogging, cooling, spraying, deodorizing, humidifying, and dust and fire suppression.

LOW PRESSURE DIAPHRAGM INLET VALVES

Inlet valves are the key the system. Typically diaphragm valves are used from our 1/4" valves all the way up to 3/4" units. Both DEMA and GC Valves have a wide variety of general purpose water valves that can be used with Misting systems. Diaphragm valves are utilized because of their ability to handle fluids that are not as filtered as others as well as their high flow characteristics.

- 442P – Low Flow and Low pressure applications with a built-in y-strainer to help keep your system safe from debris.
- S711 – Low pressure applications utilizing our proven GC Valves operator on an economical valve.
- S211 – Low pressure applications with high flow abilities. Available in sizes up to 2"



442P



S211



S711



437P

HIGH PRESSURE ZONE CONTROL VALVES



H401



O453P



453P



H402

High Pressure Valves are the key to zone control and making the high pressure misting water go where the system is directing it. Our high pressure valves are used to help control the system and let the pressure build up before it goes to the spray jets. We have both normally open and normally closed valves to fit every need.

- 45 Series Valves – 3/8" up to 1" high pressure valves capable of 1200 PSI MOPD in both normally closed and normally open versions
- H401 – 3/8" valves capable of pressure up to 2200 PSI.
- S301/S311 – Brass or SS valves available for high pressure draining applications to empty a pressurized line

HIGH PRESSURE DRAIN VALVES

Drain Valves are the key to the system letting the pressure bleed off from the misting system and not letting water sit in lines where bacteria can grow. Drain valves help to keep the systems free and clear from buildup as well. They operate under high pressure but close off under zero pressure differential.

- Brass or SS valves available for high pressure draining applications to empty a pressurized line



MIXRITE | 1400 | CHEMICAL INJECTION

Our MixRite inline injection pump is capable of injecting chemical with varying water flow and pressure. This is great for zoned misting systems as it can adjust automatically between .5 GPM and 14 GPM flow rates. It should be used on the low-pressure inlet side of the misting system, as it is only capable of pressures up to 120 PSI. It can inject nearly any chemical needed to pretreat the water to take out some of the hardness in the water.



Our inline venturi chemical injectors are capable of being used on the low-pressure and high-pressure side of the misting system. The inline venturi injectors are used more with specific flow rates and pressures as changes cause the chemical injection rate to change. These can be sized for many different flow and injectors.

