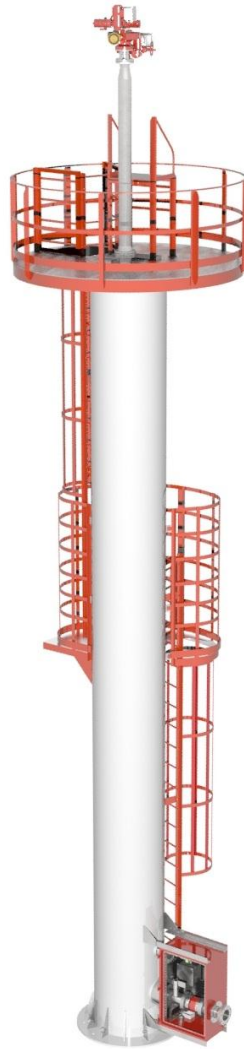


MON-03 Electric Remote Monitor Valve Skid^w/Foam Tank and Tower



MON-03 – ELECTRIC REMOTE MONITOR VALVE SKID WITH FOAM TANK AND TOWER

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Standard material

Cabinet:	SST AISI 316, painted externally
Piping:	Titanium gr. 2
Valve:	Titanium gr. 2
Monitor Valve:	Inbal 799 PCV, Titanium gr. 2
Monitor:	Bronze
Nozzle:	Bronze
Foam Tank:	SST AISI 316, See table below
Foam Inductor *:	Titanium gr. 2
Foam Pipe or Tubing:	SST AISI 316
Remote Control Panel:	AISI 316LSS, Zone 2

* Induct at 1% or 3% per project requirement.

Installation

Mount: Tower mount.

Operation

Water Only: Open Inbal Deluge Valve manually at the skid, remotely via the facility F&G system or remote control panel. The Inbal valve maintains a steady pressure and flow to the monitor, un-dependent on varying inlet pressures.

Foam: Requires water only operation plus opening the foam valve manually at the skid, automatically via the platform F&G system, or at the remote control panel. This model utilizes the venturi effect to pickup foam concentrate and injects it at an accurate 1% or 3% induction rate.

Monitor: Electric (24 VDC or 230+VAC) remote controlled with manual override on platform. Zone 2 hazardous area certified.

Remote Control Panel: Control rotation, elevation, and nozzle spray pattern at a safe distance from the monitor. The monitor can be adjusted from approx. 45 Degrees below horizontal to 75 Degrees above horizontal. The rotation is 360 degrees and the nozzle can be adjusted from jet to wide fog. Increase the quantity of control panels to operate the monitor from more than one location.

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Options

- Piping:**
- Cunifer CU 90/10 w/ Alubronze valve
 - Super Duplex Stainless Steel
- Cabinet:**
- Insulation
 - Heater (Zone 1 Certified)
- Monitor:**
- Electric (Project Preference)
 - Hydraulic (Requires hydraulic power pack)
- Foam Inductor:**
- Alubronze
 - Super Duplex Stainless Steel
 - Delete foam requirement
- Foam Concentrate:**
- Project Preference
- Remote Control Panel:**
- Modify design for operation inside the facility's Control Room.
 - Increase quantity for operation from more than one location.
- Working pressure:** 20 barg (290 psig)
- Test pressure:** 30 barg (435 psig)

Table 1: MON-03 Dimension and Flow Data

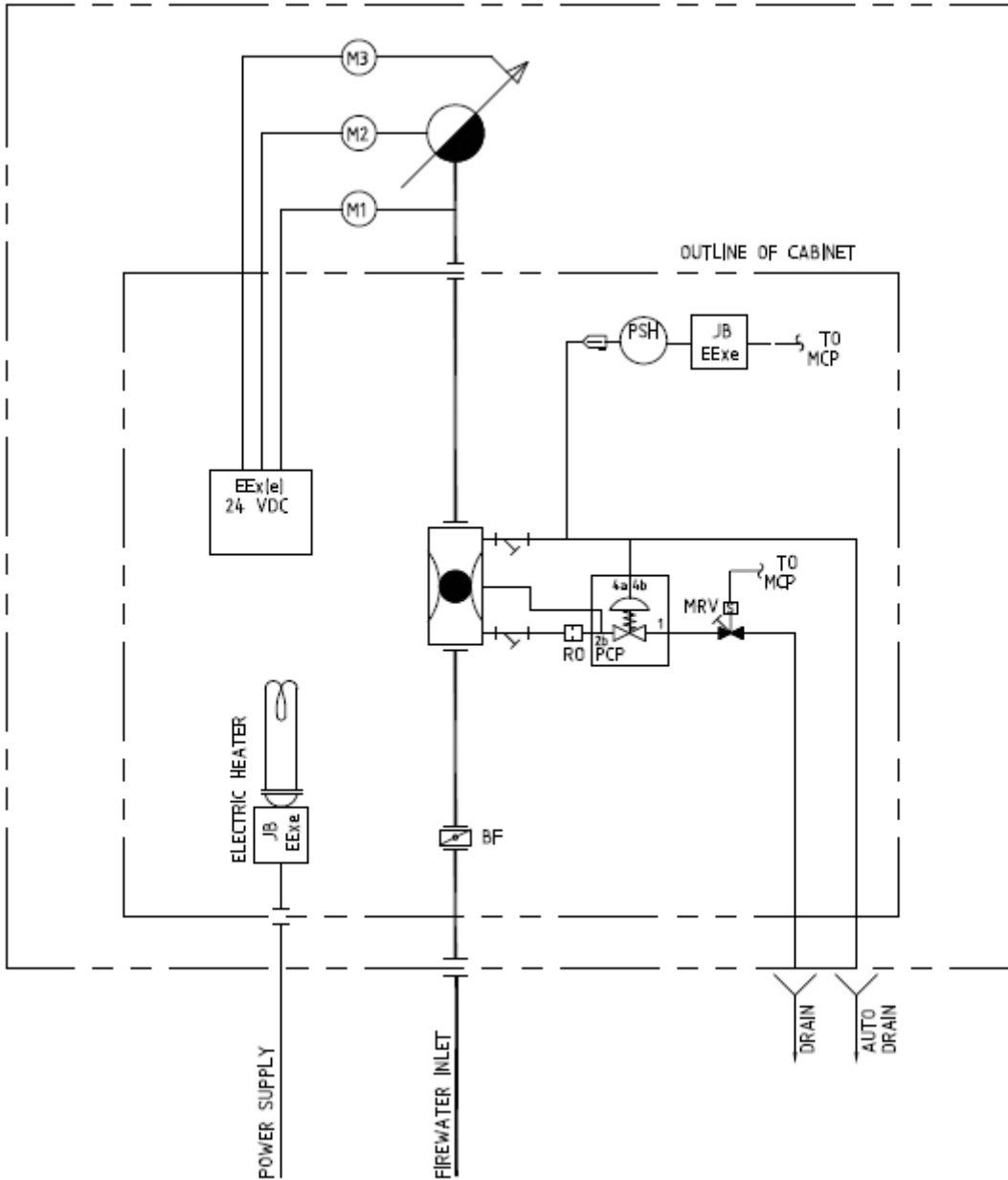
Size	Max Flow	Required inlet pressure	Foam tank volume	Length	Height	Depth	Dry Weight
Inch	m ³ /hr (gpm)	Barg (psi)	Lit (gal)	mm	mm	mm	kg
6	240	XX	600	2400	13500	1500	5650
4	120	XX	1200	2400	13500	1500	5650

Note:

1. Flow rates are based on an approximate nozzle inlet pressure of 7 barg (100 psig).
2. Required inlet pressure is dependent on tower height.

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P&ID



Note: Heater is an option.

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