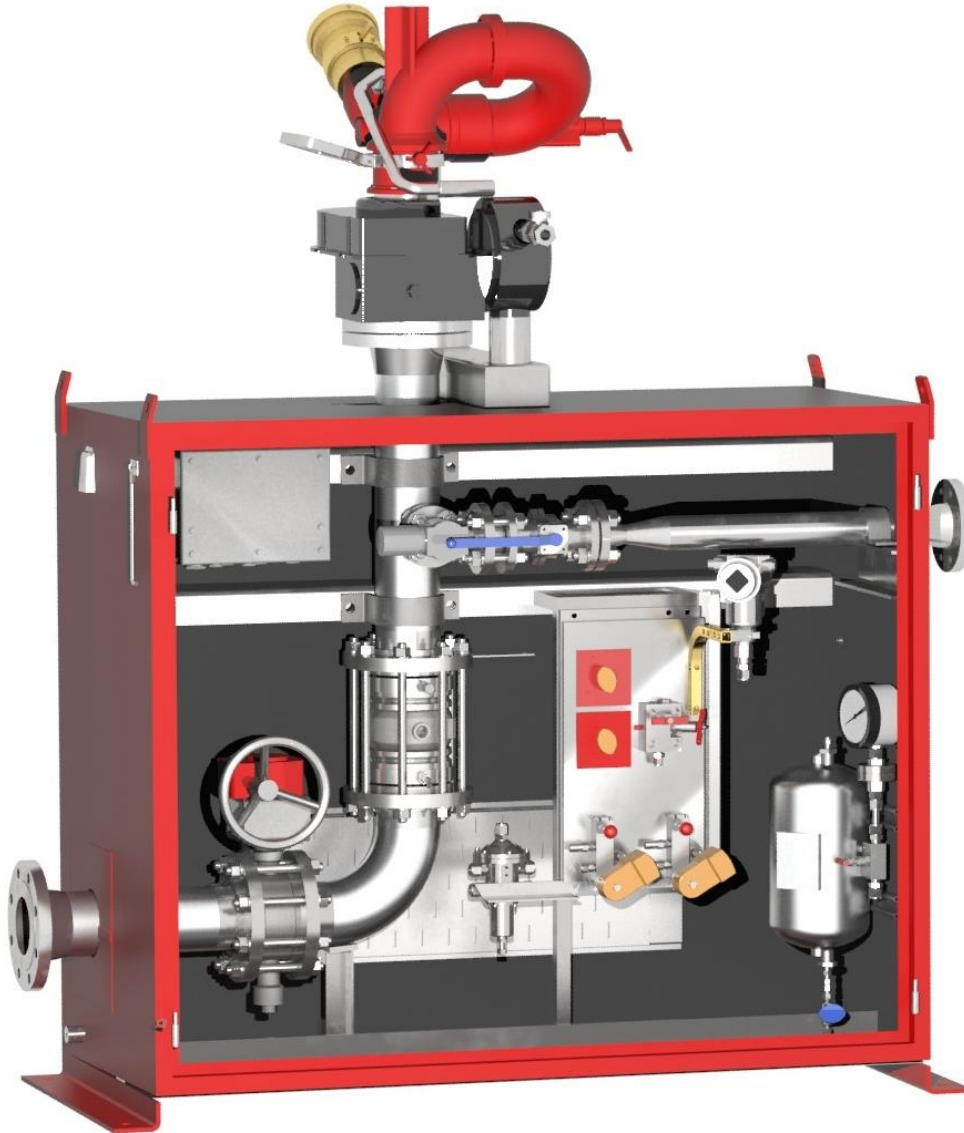


MON-01 - Oscillating Monitor Valve Skid with Pressurized Foam Supply



MON-01 – OSCILLATING MONITOR VALVE SKID WITH PRESSURIZED FOAM SUPPLY

FPE AS
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QA Certificate no: 2001-OSL-AQ-7140



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Standard material

Cabinet:	SST AISI 316, painted externally
Piping:	Titanium gr. 2
Valves:	Titanium gr. 2
Monitor Valve:	Inbal 799 PCV, Titanium gr. 2
Monitor:	Angus OM-80, Alubronze
Nozzle:	FPE, Alubronze
Water Flow Control Valve:	Titanium gr. 2
Foam Proportioner *:	SST AISI 316
Foam Piping:	SST AISI 316

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

Installation

Mount: Bolt to deck.

Operation

Water Only: Open Inbal Deluge Valve manually at the skid, remotely via the platform F&G system, or by activating the local manual release instrument valve. 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 or remotely via the platform F&G system. This proportioner requires pressurized foam concentrate from the platform foam ring main system. Both water and foam inlets have flow control valves that accurately regulate their respective flow to a preset figure. The flow valves are calibrated such as to give an accurate 1% or 3% foam induction rate.

Oscillating Monitor: FPE is utilizing Angus OM-80 oscillating monitor. The monitor is pre-set at platform commissioning and requires no further interaction. The monitor discharges close to 30lpm through the water driven Pelton wheel motor and is fitted with a speed control to set a desired oscillating frequency. The factory pre-sets the frequency to 8 cycles / minute. The monitor has a manual override design. Refer to the website for additional information on Angus OM-80.

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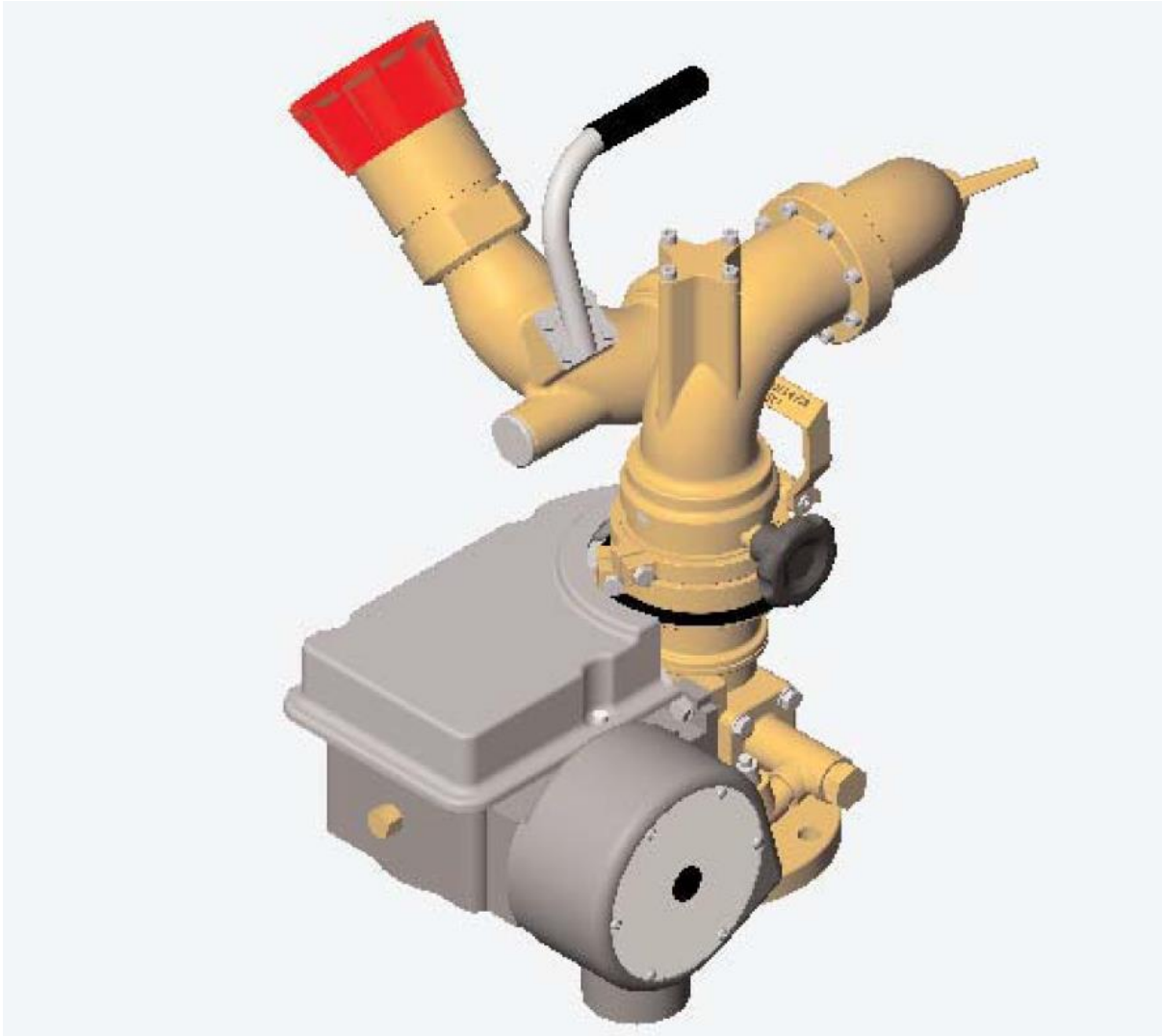
Options

- Piping:
- Cunifer CU 90/10 w/ Alubronze valve
 - Super Duplex Stainless Steel
- Cabinet:
- Platform for Manual Operation
 - Insulation
 - Heater (Zone 1 Certified)
- Nozzle:
- FPE autofog nozzle
 - Project Preference
- Mount:
- Seal weld w/ 309 filler wire (316SS to C.S.)
- Water Flow Control Valve:
- Alubronze
 - Super Duplex SS
 - Delete foam requirement
- Monitor:
- Dry test kit: AES 25917
 - Wet test kit (25mm Storz): AE 25657
- Foam Concentrate
- Project Preference
- Working pressure:** 20 barg (290 psig)
- Test pressure:** 30 barg (435 psig)

Table 1: MON-01 Dimension and Flow Data

Size	Min / Max Flow	Length	Height	Depth	Dry Weight
Inch	m ³ /hr (gpm)	mm	mm	mm	kg
4	90 (396) / 165 (727)	1700	1700	700	450
<p>Note:</p> <ol style="list-style-type: none"> 1. The minimum and maximum flow rate is FPE's standard monitor nozzle that returns to fog pattern after operation. The nozzle can be fixed to meet a project requirement within this range. 2. Flow rates are based on an approximate nozzle inlet pressure of 7 barg (100 psig). 					

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Angus OM 80

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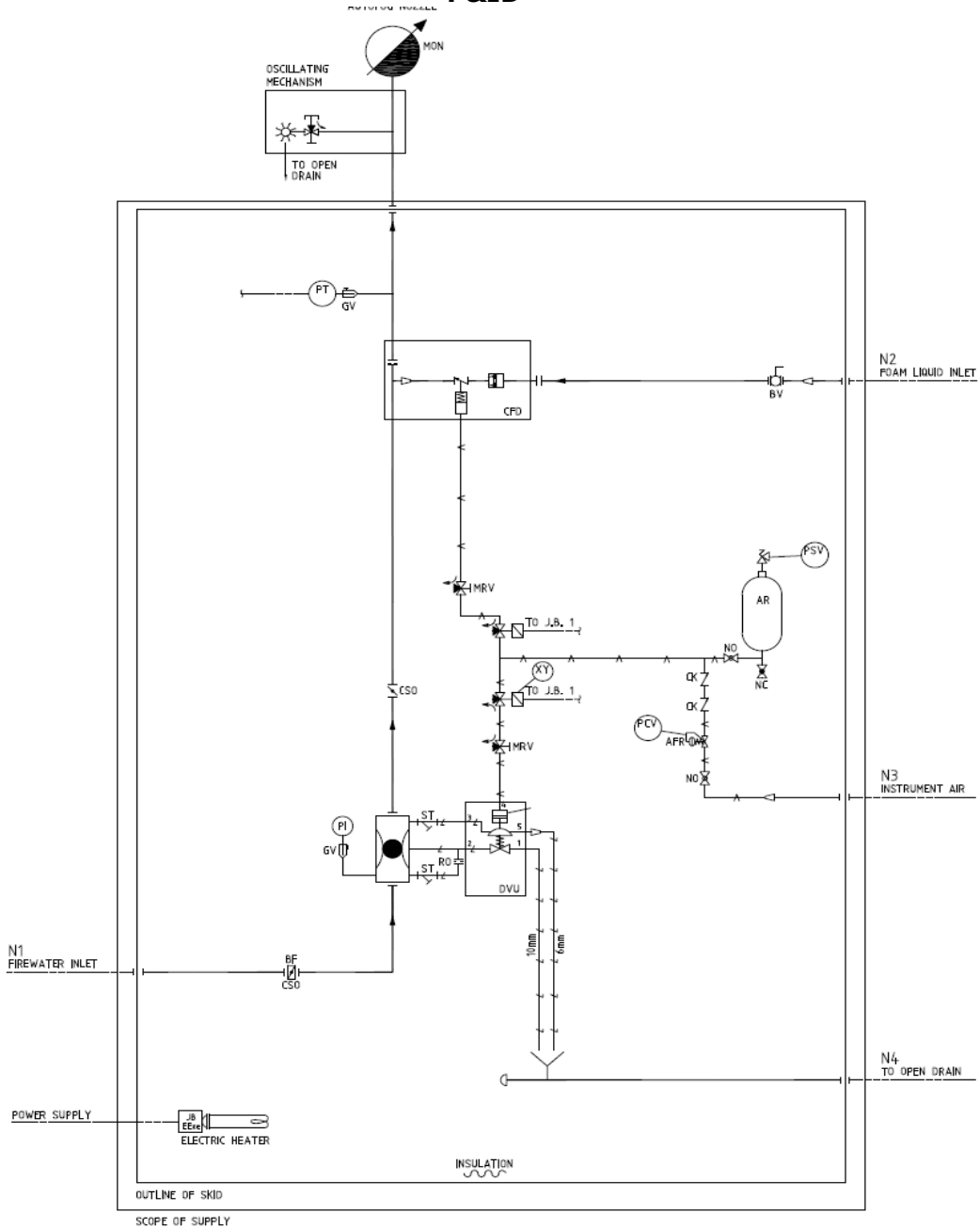
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P&ID



Note: Heater and insulation are options.

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