



Valve Manifold Box (VMB)

Standard Features

- PFA valves, Polypropylene cabinet - Aqueous
- SS valves, SS 304 cabinet - Solvents
- Cabinet leak containment
- Leak detection - 3/4" drain
- Door interlock(s)
- Exhausted cabinet

Options

- Chemical present detection
- PLC control system
- Fire detection & suppression
- DI, N2 purge (aqueous)
- N2 purge (solvent)

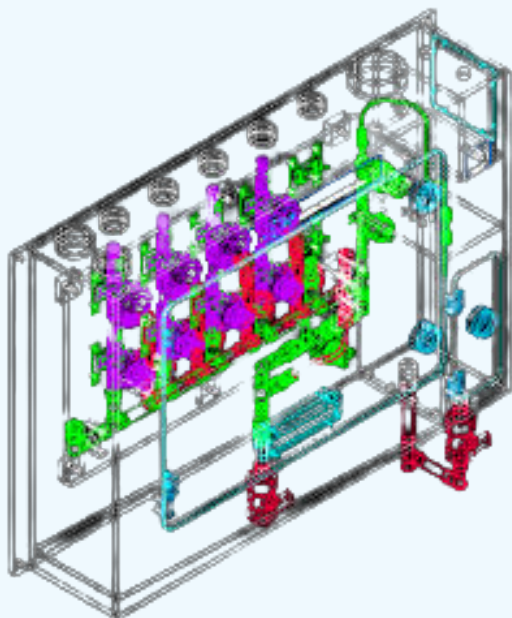


Application

- Application: Chemical distribution to process tools
- Chemical compatibility: Acids, Bases, Solvents
- Materials of construction: Materials of construction: Polypropylene cabinet with clear PVC doors or Stainless steel cabinet with reinforced glass window
- Built to SEMI S2-0200 & S8-0999 codes Class 1 Division II components

Reliability

Uptime >99%
 MTBF: >3000 hrs
 MTBA: >1000 hrs
 MTTR: <30 minutes
 MTBS: >300 hrs



Facility Requirements

Plumbing Interface	Inlet	3 GPM Maximum	1" FNPT - Facility Drain OR Tapered through bottle pour
Power (Optional)	115 VAC	15 amps	
N2 (Elec. Purge)	40 - 65 psig	2 CFM	1/4" Swagelok bulkhead
Drain	0 psig	2 GPM	1/2" FNPT
Exhaust	0.5-3.0 in. WC	30 - 60 CFM	4" ANSI flange pattern
Dimensions	Dependent on configuration		



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PROCESS CUSTOMIZATION — SUSTAINABLE PRACTICES — COMPLIANCE PRECISION

The Apex Advantage

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Team-Driven Excellence

Working with your water provider should be personal and easy. Our team's dedication is the key to your operational success, providing industry insights, extensive training, and meticulous water system management for your complete satisfaction.

Problem-Solving Agility

We recognize the uniqueness of your challenges. Our ability to swiftly adapt enables us to deliver solutions that are not only tailored but also consistently reliable. With our flexible strategy, we efficiently solve problems and deliver effective solutions with unmatched execution.