

xFlow

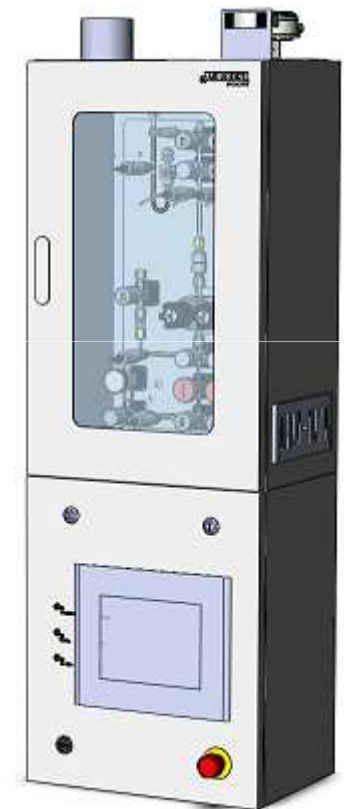
Specialty Gas Distribution Equipment



xFlow valve manifold box is a compact and reliable fully-automatic system designed to distribute specialty gases for optimized safety and operations.

■ Features and Benefits

- Cost Effective Solution for Specialty Gas Distribution
- Automatic stick shut down interlocks
- Enhanced Safety through Automatic purge program
- Small Footprint
- User Friendly controller
- Highly Reliable Components
- Optimized Cost of Ownership (low spare parts cost)
- Easily Maintainable
- Modularized Design



■ Typical Applications

Critical distribution of Hazardous Production Material:

- Flammable / Pyrophoric gas
- Corrosive gas / Toxic gas

xFlow

Specialty Gas Distribution Equipment

■ Performance & Reliability

- Uptime > 99.9993%
- MTBF > 3500 hours
- MTTR < 2 hours
- Standard peak flow rate: 0 – 20 lpm
- Simple operations

■ Safety

- Class 1 Div 2 UL for Electrical
- FMEA analysis
- Automatic shut down interlock
- Automatic stick purge

■ Options

- Expansion valve
- UV/IR or Gas sensor

- 4, 6 or 8 sticks

■ Utility Requirements

Utilities	Specifications	Connections
Non Process N ₂ Venturi*	2 scfm; 85 psig 55 slpm; 6 barg	1/4" VCR
Non Process N ₂ Z-purge	0.1scfm; 85 psig 3 slpm; 6 barg	1/4" compression
Exhaust	VMB4 50m ³ /hr, VMB6/8 80m ³ /hr	4" (100mm)
Vent	To appropriate abatement unit	3/8" VCR
Purge N ₂	30lpm @ 85 psig; 6.5 barg	1/4" VCR
Power	85-240VAC, 50/60Hz 250W (UPS recommended)	2.5mm ² , 3 wires

Enclosure	Description	Dimensions (L x W x H)
VMB 4	4 sticks VMB	20" x 14 " x 55" 500mm x 350mm x 1400mm
VMB 6/8	6/8 sticks VMB	40" x 14 " x 55" 1000mm x 350mm x 1400mm

VCR is a registered trademark of Swagelok

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