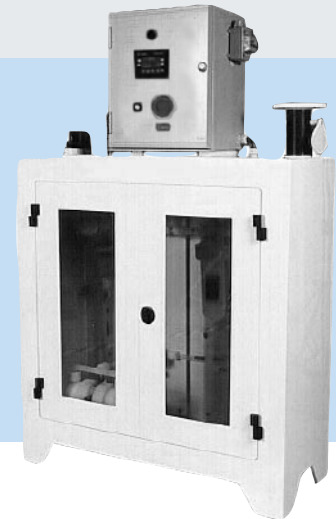


MegaPure™ 50

Chemical Distribution System

- » Economical
- » Designed for localized dispensing
- » Non-intrusive empty drum detection
- » High-capacity option



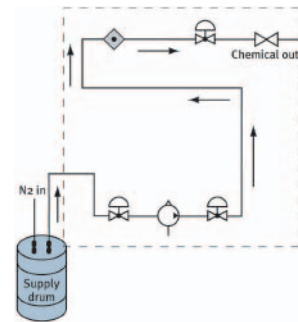
System Features

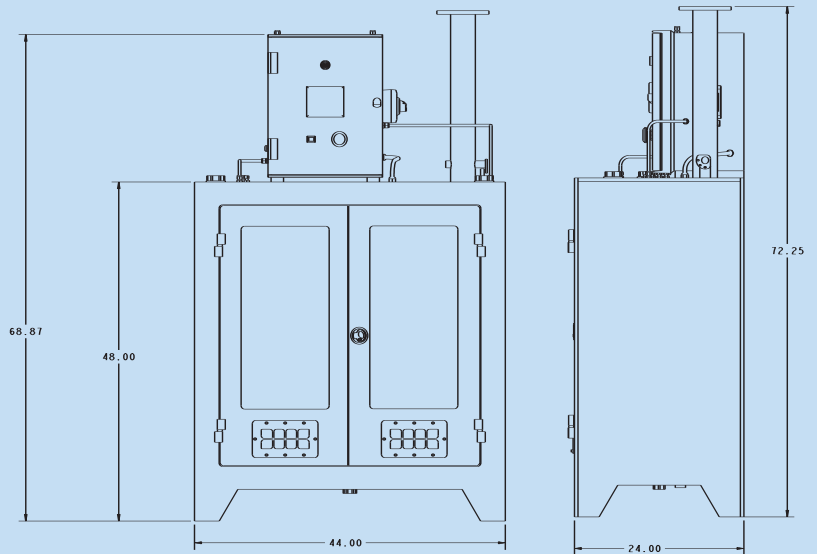
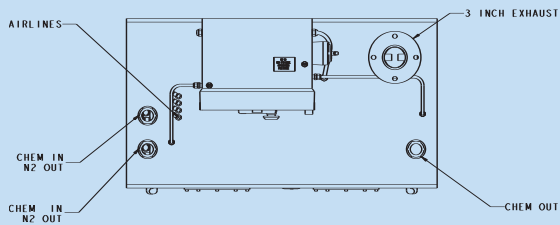
The MegaPure 50 Chemical Distribution System provides single pass filtration at 0.05μ . It is PCL controlled and generally configured to be fed from one or two local stand-alone feed drums. It is designed for localized dispensing for medium purity applications or as a feed station for larger blending units.

- Photoelectric leak detection and alarm
- Cabinet door interlocks
- Manual valve isolation of Teflon™ inlet and outlet lines and pump
- Cartridge filter (10")
- Separate NEMA rated fiberglass controls compartment
- Integrated controls with comprehensive status and safety sensing

Options

- Dual drum with auto-changeover
- High capacity (HC)
- Redundant pump
- FRPP cabinet (S2-92 and FM4910 reviewed)
- Custom configuration and integration
- Connectivity to SCADA (based on applications)





Reliability

- > 2,500 hrs MTBF
- > 1,250 hrs MTBA
- < 2 hrs MTTR
- > 95% availability

Performance

Flow rate: 2.5 GPM @ 20 psi (Regular Flow)
 6 GPM @ 20 psi HC (High Capacity)
 (DI water @ Exit of CDU outlet)

Utilities for testing

DI water (18 meg ohm)
 Semiconductor grade nitrogen (99.999%)
 Clean dry air

Controls

- Local and remote EMO capability
- Local PLC with Panelview 300
- Dry contacts (chemical request/chemical available)

Facility requirements	MP 50	Connection Type
N ₂	2 SCFM, 90 psi	3/8" SS Swagelok
CDA	10 SCFM, 80 psi	1/2" SS Swagelok (HC)
Exhaust	70 SCFM, 2" H ₂ O	3" Pipe flange
Process drain	30 psi @ 5 GPM	3/4" FNPT polypro 1" FNPT polypro-HC
Power	120 VAC, 15 AMP service	3/4" Conduit
Cabinet drain	Gravity	3/4" FNPT polypro

Model	MP 50	MP 50 HC
Application	Acids, bases, oxidizers	Acids, bases, oxidizers
Flowpath	3/4"	1"
Dispense rate	2.5 GPM @ 25 psi	6 GPM @ 20 psi
Cabinet Materials	Polypropylene	Polypropylene
MTBF	>2500 hours	>2500 hours
MTTA	>1250 hours	>1250 hours
MTTR	<2 hours	<2 hours
Uptime	95%	95%
Footprint	44" x 24" x 60"	44" x 24" x 60"
Filter Housing (drum)	10" Cartridge filter	10" Cartridge filter
Leak detection	Yes	Yes



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