

## DFS MOBILE DISPENSE UNIT

TITAN™

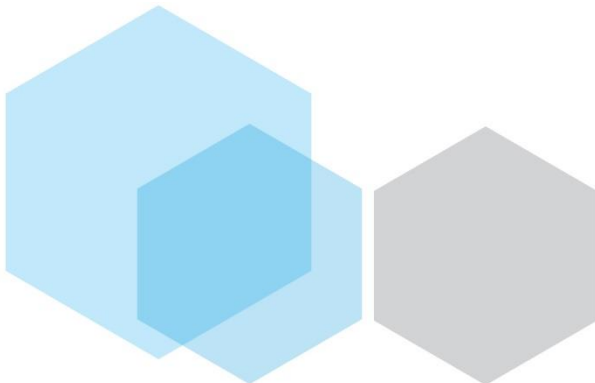
Mobile Dispense Unit  
(MDU)

The compact DFS Mobile Dispense Unit (MDU) uses two pneumatic pumps (with auto-switchover) to draw chemical from two external vessels. The system uses the tote/drum connection head, pumps, and inline filter housings to deliver chemical through the supply line to production. Pre-filter and post-filter pressure transducers provide a Delta-P to monitor filter loading.



## Advantages

- ▶ Fully automated system
- ▶ Space efficient design
- ▶ Low cost of ownership
- ▶ Fully portable for maximum flexibility in placement
- ▶ Flexible and user-friendly HMI

Chemical  
Distribution

# DFS MOBILE DISPENSE UNIT

## Features

- ▶ Pressure monitoring
- ▶ Non-intrusive level sensors
- ▶ Pneumatic pumps (with auto-switchover)
- ▶ Two 10-inch filter housings
- ▶ Maintenance points for system purging and draining
- ▶ Solenoid valves with system force capability
- ▶ All wetted flow paths are PFA, PTFM, or PTFE
- ▶ Polypropylene cabinet materials

## Safety

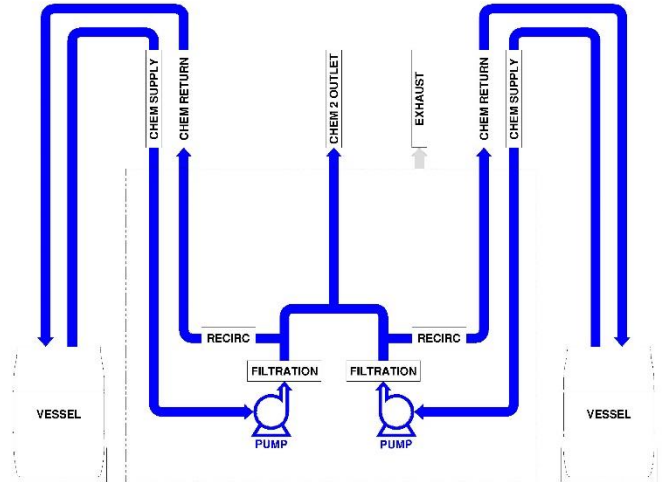
- ▶ Cabinet leak detection and alarming
- ▶ Cabinet exhaust monitoring and alarming
- ▶ Cabinet door interlocks
- ▶ UPW spray gun for maintenance
- ▶ Cabinet contains 110% of the largest volume
- ▶ Local and remote EMO capability
- ▶ UL 508A Certified
- ▶ SEMI S2 Compliant

## Options

- ▶ External vessel connections
- ▶ Slurry pumps
- ▶ Pump surge dampener
- ▶ FM4910 Cabinet Materials
- ▶ SEMI S2 Certified

## Controls

- ▶ PLC and HMI
  - On-screen system P&ID
  - Maintenance and shutdown monitoring
  - Force screens for maintenance and troubleshooting
  - Pump runtime monitoring
  - Password protected screens
  - Manual activation of valves/pumps
- ▶ Connectivity to system PLC Ethernet networks
- ▶ Communication with PC via PLC network



Model	Mobile Dispense Unit
Applications	Acid, bases, oxidizers
Flow Rate	10 to 30 LPM
Footprint	26"Dp x 50"W x 65"H

Facility Requirement	Utilities
Ultrapure Water (UPW)	40 to 50 psi
Nitrogen (N <sub>2</sub> )	100 SCFH
Clean Dry Air (CDA)	20 LPM
Exhaust	45 to 70 SCFM
Power	208VAC
Cabinet Drain	Gravity



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