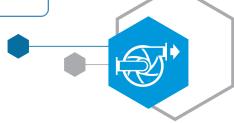
DFS TITAN™ CDU



Chemical Distribution Unit (CDU)

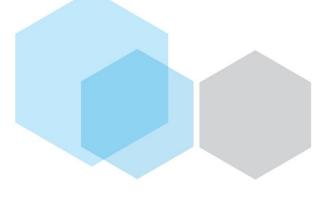
The Titan™ CDU is a closed loop pressure controlled delivery system that transfers chemical from one or more interchangeable vessels to a distribution tank. The system maintains continuous chemical pressure control to production areas and includes automated sampling and an internal waste pump.



Advantages

- > Fully automated system
- Low cost of ownership
- > Flexible and user-friendly HMI
- Space efficient design
- System and/or component redundancy as required to maximize production uptime
- > High flow system









DFS TITAN™ CDU

Features

- Pressure and flow monitoring
- Manual UPW/N₂ pump and filter purging
- Redundant pneumatic pumps
- Tank level monitoring
- Automated DFS sample chamber
- Maintenance points for system purging and draining
- Solenoid valves with system force capability
- All wetted flow paths are PFA or PTFE
- Polypropylene cabinet materials

Safety

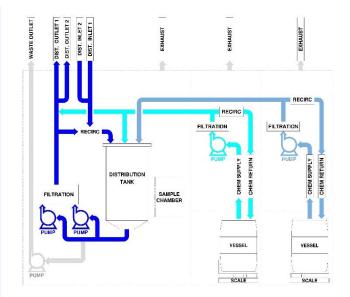
- Cabinet leak detection and alarming
- Cabinet exhaust monitoring and alarming
- Cabinet door interlocks
- Recirculating UPW spray guns for maintenance
- Cabinet contains 110% of the largest volume
- Waste pump for system draining and maintenance
- Bi-directional vent to prevent chemical off-gassing
- Local and remote EMO capability
- UL 508A Certified
- SEMI S2 Compliant

Options *Contact DFS for a complete list of available options.

- 200L single or dual vessel feed
- Internal 55-gallon tank or larger external tank
- Automated UPW/N₂ pump and filter purging
- Single or dual loop supply
- Redundant maglev pumps
- Vessel gloves
- Vessel scales
- Parallel, 0-3 10-inch or 20-inch filter housings
- Temperature monitoring and control
- Metrology to monitor loop supply
- 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	Modules
Applications	Acid, bases, oxidizers
Flow Rate	20, 40, or 60 LPM
CDU Footprint	38"Dp x 84"W x 84"H
Vessel Footprint	38"Dp x 33"W x 84"H
Tank Footprint	40"Dp x 41"W x 84"H

Facility Requirement	Utilities
Ultrapure Water (UPW)	20 LPM
Nitrogen (N ₂)	500 SCFH
Clean Dry Air (CDA)	750 SCFH
Exhaust	190-290 SCFM
Process Drain	40 LPM
Power	120VAC
Cabinet Drain	Gravity or pressurized





11789 W. Executive Drive, Boise, ID 83713

For more information: www.dfsolution.com To speak to a representative: 208.489.0053 To request a quote: info@dfsolution.com

TECH0001025.01