

IDI - CYBOR

CHEMICAL DELIVERY SYSTEM (CDS)



The Point of Use Chemical Delivery System (CDS) is engineered to provide safe, convenient storage of source containers and process pumps.

Modular construction of the CDS allows ease of configuration to meet both the operational and space requirements of the end user. The modular components are easily assembled to provide an integrated package which helps lower the overall cost of ownership. Engineered to meet Semiconductor Specification, the CDS is then easily configured to meet internal EH&S and local codes.

Within the CDS, modular construction of the hardware leads to flexibility in application and operation and allows for numerous combinations of process pumps and source containers.

Solvent applications are incorporated through pressurized canisters in 1 to 5 gallon sizes, with either bulk fill or point of use configurations.

Develop applications in either solvent or aqueous chemistries are implemented with the use of Teflon® lined canisters or plastic carboys. All canisters include multi level fluid detection. Interfacing to the Pumps, Liquid Level Monitoring, Source Switching, Temperature Control and Bulk Fill are available as options.

The Point of Use CDS has the functionality to meet the needs of most applications.

PLC Controls provide for maximum reliability and flexibility allowing IDI-CYBOR to quickly configure the CDS with the end user desired features at the time of order, or in the field as changes in process chemistry and parameters occur. A variety of user interfaces are available. The flat panel display with our own GUI (Graphic User Interface) provides the ultimate in simplicity while maximizing the information presented. PLC controls provide up to 128 I/O ports which minimize the use of point to point wiring, thus increasing reliability and minimizing service.



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INTEGRATED DESIGNS, LP

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Communications through Serial, Ethernet or Device Net connections allow for direct interfacing to host equipment. User specified alarms or level status can be communicated to CMS / SCADA systems or other fab wide monitoring systems.

Multi level password protection allows end users to guard against un-approved changes in recipes and chemistries yet allows ample access for service and PMs.

Design configurations allow end user to specify redundancy of components in critical areas to reduce the exposure to un-scheduled down time.

Standard Features

- Engineered to meet
 - CE /TUV
 - SemiE49 High Purity
 - Semi S1, Visual Hazards
 - Semi S2, EH&S
 - Semi S8, Ergonomics
 - NFPA 30
 - UFC 7902.5.9
- System Level spill containment and leak detection
- Exhaust Interlock
- N₂ Purge Interlock
- EMO Shutdown and Interlock
- Audible and visual Alarms

Optional Features

- Fire Detection and Suppression
- Vapor Detection
- Individual source or drawer leak detection
- Internal Isolation panels for chemical separation
- Exhaust Photohelic
- Third Part Certification

Cost Saving Optional Features

- Single wall construction
- Alphanumeric PLC Controller

Dimensions Of Standard Modules

- Single wing
30.4" DP x 22.6" W x 75.4" H
- Main
30.4" DP x 40.5" W x 75.4" H
- Main + Wing
30.4" DP x 63.1" W x 75.4" H
- Main + 2 wings
30.4" DP x 85.8" W x 75.4" H

Construction Features

- Stainless Steel Modules feature all welded cabinet construction for maximum leak integrity.
- 304 Stainless Steel tubing and compression tube fittings for leak free operation are standard for the solvent configuration.
- Polypropylene wetted area modules are welded and tested for leak integrity

*The Easy Choice...
For Chemical Management Solutions*



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