

CDU-2500 Two-Drum Chemical Delivery Unit



The MABAT CDU-2500-2 offers a low cost solution to chemical delivery from supply drum direct to point of consumption in a process area or service chase on demand.

Only the highest quality components are used in its construction and the module controller utilises the very latest control technology.

The CDU can be interlinked with existing factory monitoring systems, please consult with MABAT's software engineering dept.

For higher volume applications or speciality chemical delivery systems please consult with MABAT's local office or direct with the factory.

Standards

MABAT works in accordance with ISO.
ISO 14001 and ISO 9001 standards.

Member of SEMI .

All products are design and manufacture according to SEMI guidelines.

The MABAT CDU2500 is CE marked and has TUV NA approval.

- Handles most aqueous chemicals
- Small footprint
- Front maintenance access
- Utilities located at high level for easy connection
- Can supply multiple POCs on demand
- Polypropylene cabinets with height adjusting feet mounted on a stainless steel chassis.
- 2 x 200 litre supply drum cabinet alongside the CDU. Fitted with height adjusting feet.
- High Level resolution touch screen for local operation
- All chemical handling pathways, tubing, valves and pumps utilise HP440/HP450 PFA & PTFE
- Pneumatic actuation of valves, transfer and delivery chemical pumps
- Pumped drain from the cabinet base which acts as leak containment
- Auto-changeover when the on-line drum is empty
- Drum cabinet fitted with rollers to facilitate drum replacement
- Interfaces with the CDU via coupled ports
- Keyed connector for the chemical drum with parking position

Options

- Internal full backup Additional process pump and additional filter housing set
- Cabinet MOC Stainless steel for solvents. FM compliant plastics
- Pumps Higher volumes/solvent applications
- Day tanks Consult our factory for sizes
- Sample chamber for on line sampling
- Filter housing according to process requirements



CDU-2500 Two-Drum Chemical Delivery Unit

Dimensions

	Height	Width	Depth
Process cabinet	2,080 mm	850 mm	720 mm
Process cabinet with internal full backup	2,080 mm	1,200 mm	720 mm
Drum Cabinets	2,080 mm	2 x 850 mm	720 mm

Utilities Needed

N ₂	2.0 bar - 20 lpm, 3/8" St.St.
CDA	5.5 -7.0 bar- 50 lpm, 1/2"St.St
Exhaust	150 m ³ /h, 3"FNPT PVC Flange (CDU) 4"FNPT PVC Flange (Drum Cabinet)
DI supply	2 bar – 5 lpm, 1/4" PFA
Drain	½" PFA max flow 15 lpm

Electrical- top location

Supply	24VDC 6A
PLC	ABB
Touch Screen	Exter

System Delivery Volumes

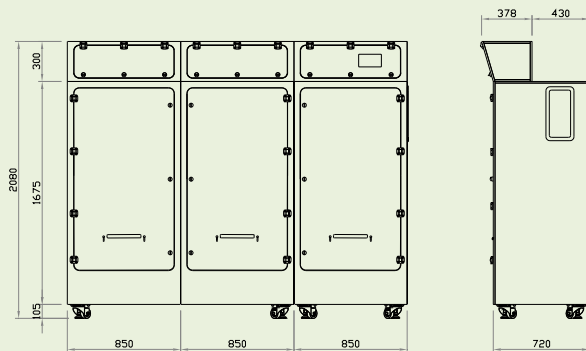
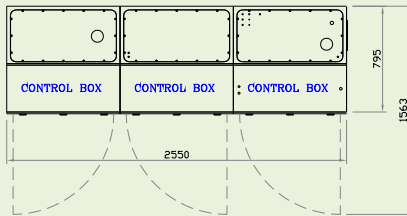
Output	Up to 30 lpm
As required by the application.	

Construction Materials

Std CDU	White PP or other, on a coated stainless steel chassis
Tubing	HP PFA or SS for Solvents
Valves	HP PFA or SS for Solvents
Pumps	PTFE/HP440PFA or SS for Solvents

Reliability

Uptime	>99.9%
MTBF	2500 hours
MTBA	250 hours
MTTR	2 hours, subject to spares being available on site



MABAT can offer a turn-key solution if required and have their own experienced team or approved local contractors to ensure project installation and acceptance deadlines are achieved.

MABAT have a range of products to suit most applications and can also provide custom built systems for non-standard requirements. Site visits can be arranged to ensure the end user's exact needs are understood and accommodated.

Please contact our offices to obtain advice and quotations.

For applications outside any system's specification or capabilities please refer to our local representative or the MABAT Headquarters at Kiryat Gat.

MABAT have more than 25 years experience supplying systems to the Semiconductor and Solar Cell manufacturing industries.

Contact details

Kiryat-Gat, ISRAEL
 Tel. + 972.8.660.1320
 US toll free + 1.866.908.6297
 info@mabat-systems.com
 www.mabat-systems.com