



The MABAT CDU-2000 designed for delivering up to 3 different chemicals to the end user system upon a fill request signal.

The system can hold up to 3 different types of chemicals containments for delivery.

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.

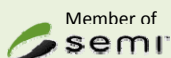
The MABAT CDU2500 is CE marked and has TUV NA approval.

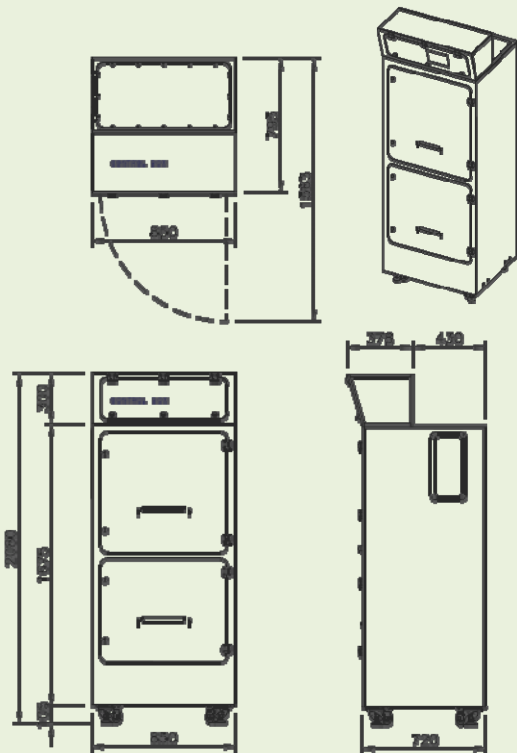
CDU-2000: Bottles Chemical Delivery Unit

- Handles most aqueous chemicals
- Supply of up to 3 different chemicals from different containments as per custom requirements
- Independent delivery of each one of the chemicals
- Auto switch for continuous flow, In case of having more than one containment to the same chemical
- Automatic delivery according to user fill request
- Small footprint
- Front maintenance access
- Utilities located at high level for easy connection
- Polypropylene cabinets with height adjusting feet mounted on a stainless steel chassis
- 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

Options

- Chemicals The number of chemicals and the containment type is determine by the customer requirements
- Cabinet MOC FM compliant plastics, or else
- Pumps Dosing/pneumatic according to process
- Monitoring weight cells or proximity sensor for delivery control and monitoring





CDU-2000: Bottles Chemical Delivery Unit

Dimensions

	Height	Width	Depth
Cabinet	2,080 mm	850 mm	720 mm

Utilities Needed

N ₂	25 psi, 20 lpm
CDA	80 psi, up to 50 lpm
Exhaust	up to 250 m ³ /h
DI supply	30 psi, up to 5 lpm
Drain	½" PFA max flow 15 lpm

Electrical- top location

Supply	24VDC 10A
PLC	ABB
Touch Screen	Exter

System Delivery Volumes

Output	As required by the application.
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Construction Materials

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

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