

ECLIPSE^C

Liquid dosing system up to 45 raw materials



Logic's ECLIPSE C series dosing systems are machines for automatic preparation of liquid raw materials for the chemical, cosmetic and fragrance and essence industries.

Characterized by an all-stainless-steel construction and also available in ATEX version, dosing up to 45 raw materials, but extensive customizations are possible.

The machine is PLC-controlled and supplied with the Logic BatchPack automatic recipe control system, which can track all production and provide feedback data to ERP/MES systems.

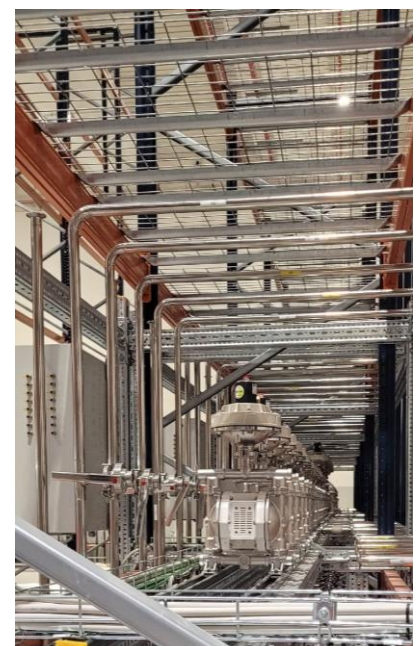


TECHNICAL SPECIFICATIONS

Area of use	Safe area, cosmetic and pharmaceutical industries (optional ATEX Zone 1/21)
Dosing scales	Floor scale 1500x1500 mm up to 3,000kg Auxiliary scale (optional): 400x400mm 30,000g
Accuracy	Floor scale: 10 g (on 1 kg dosage) Auxiliary scale (optional): 1 g
Valves	DN 25 / 5 with patented proportional technology Anodized aluminium body and PTFE seals Option: hygienic CIP/SIP design with AISI 316L body and FDA seals
Washing in place (WIP)	Optional Wash-In-Place (WIP) system to wash the valve terminal after each dosing with pressurized CIP fluid.
Automation	Control via Siemens PLC and 10.1" operator terminal (21.5" option) Energy-efficient brushless motors
Communication interfaces	Profinet (machine status) SQL for bidirectional communication ERP / BatchPack READY
Power supply	230Vdc $\pm 10\%$, $P_{peak} < 2$ kW Compressed air: 6 barG

RAW MATERIAL DISTRIBUTION PLANT

Skid pumps	Aluminium / PTFE pneumatic pumps (chemical industry) Pneumatic food grade pumps in AISI 316L / PTFE (cosmetic industry) With pulsation damper Double speed control Sizes DN15 to DN50 depending on viscosity Pre-assembled steel frame for mounting on standard structure
Distribution plant	Pipelines for chemical industry: AISI 304 orbital welding Pipelines for cosmetic industry: AISI 316L Ra<0.8um orbital welding DN 25 to DN50 depending on viscosity Separate and dedicated raw material lines CIP/SIP possibility of the whole plant without dismantling components
Plant valves	For the chemical industry: ball valves AISI 304 For the cosmetic industry: butterfly valves AISI 316L Ra<0.8um



Options and additional services

Mechanical, hydraulic and electrical installation and systems.

Revamping of existing machines and integration of production machines with batching systems.

External manual weighing scales and weighing rooms.