

ECLIPSE^M

Liquid dosing system for up to 36 raw materials



Logic's ECLIPSE M 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 36 raw materials, but extensive customizations are possible.

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



TECHNICAL FEATURES

Area of use	Safe area, cosmetic and pharmaceutical industries (optional ATEX Zone 1/21)
Dosing scales	Floor scale 1.000x1.000 in AISI 304 mm up to 600kg Scales on rotary table for dosing under the correct valve on AISI 304/316L cylindrical container up to 300x550 mm Wide possibility of customization
Accuracy	Floor scale: 10 g (on 1 kg dosage) Scales on rotary table: 1 g
Valves	DN 12 / 3 with patented proportional technology Anodized aluminium body and PTFE seals Option: hygienic CIP/SIP design with AISI 316L body and FDA seals
Automation	Control via Siemens PLC and operator terminal 10.1" Energy-efficient brushless motors
Communication interfaces	Profinet (machine status) SQL for bidirectional communication ERP / BatchPack READY
Power supply	230Vdc $\pm 10\%$, $P_{peak} < 2.5$ kW Compressed air: 6 barG

RAW MATERIAL DISTRIBUTION PLANT

High volume storage IBC-Drums 200lt from skid pumps	Aluminum pneumatic pumps / PTFE (chemical industry) Pneumatic food grade pumps in AISI 316L / PTFE (cosmetic industry) With pulsation damper Dual-speed control Sizes from DN15 to DN25 depending on viscosity Pre-assembled steel frame for mounting on standard structure
Distribution plant	Piping for chemical industry: AISI 304 orbital welding Piping 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 chemical industry: ball valves AISI 304 For cosmetic industry: butterfly valves AISI 316L Ra<0.8um
Low volume storage Pressure canisters	HDPE 5/12/20L pressurized canisters (compressed air/nitrogen) PA11 / PU FDA / PTFE 15x12 mm lines



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.