

ECLIPSE^R

Liquid dosing system up to 120 raw materials



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

Characterized by an all-stainless-steel construction and also available in an ATEX version, they allow dosing of up to 120 raw materials per module.

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



TECHNICAL SPECIFICATIONS

Area of use	Safe area, cosmetic and pharmaceutical industries (optional ATEX Zone 1/21)
Geometric/utility capacity	35 l / 30 l Cylindrical container AISI 304/316L 300x550 mm Wide possibility of customization
Accuracy	1 g / 30.000 g net
Valves	DN 12 / 3 with patented proportional technology, G ½" F inlet Anodized aluminium body and PTFE seals Option: CIP/SIP hygienic design with AISI 316L body and FDA seals, inlet Clamp DIN 11864-3 DN15
Washing in place (WIP)	Optional Wash-In-Place (WIP) system for washing the valve terminal after each dosing with pressurised CIP fluid.
Automation	Control via Siemens PLC and 10.1" operator terminal (option 21.5") Energy-efficient brushless motors
Communication interfaces	Profinet (machine status) SQL for bidirectional communication ERP / BatchPack READY
Power supply	230Vdc ±10%, P _{peak} < 2 kW Compressed air: 6 barG

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RAW MATERIAL DISTRIBUTION PLANT

Pressure drums	5/12/20 litre HDPE pressure canisters (compressed air/nitrogen) on customisable shelves Optional: 304 / 316L stainless steel drums Ra<0.8um
Distribution plant	Separate and dedicated raw material lines Piping for the chemical / fragrance-essence industry: PA11 15x12 mm Piping for the cosmetics industry: PU FDA / PTFE 15x12 mm with CIP/SIP of the entire line without dismantling components



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.