

Accuratic DP



Overview

The Accuratic™ DP is a potentiometer-controlled liquid dispenser for machine ware washing, designed with the latest technology and components. Its modular pump format allows for easy configuration to dose detergents, rinse aids, boosters, and sanitizers in single-tank dishwashers.

The Accuratic DP pump can be configured for both timed and speed-mode applications. It is designed for quick, hassle-free installation, featuring a rail-mount system and a pre-wired signal cable for single power-signal operation. Optional volt-free inputs are available for detergent recharge and initial charge when the pump is configured to operate in permanent-power mode.

For operators, the pump is easy to prime, and its status LEDs provide clear feedback for monitoring and troubleshooting. The Accuratic DP also includes a built-in alarm feature when paired with a low-level sensor, alerting users to refill the detergent, rinse aid, or sanitizer. The pump is CE or CSA compliant and carries an IPX5 ingress protection rating, ensuring splash-proof reliability.

Features

- Accurate dosing to deliver consistently high cleaning performance
- Reliable and robust dispenser design
- Easy setup using potentiometers
- Configurable operation in single power-signal mode or permanent-power mode
- Flexible dosing with speed and timed modes
- Optional volt-free inputs for detergent Recharge and Initial Charge (permanent-power mode)
- Power switch for use when descaling the dishwasher
- Single button operation for priming pump
- Flexible installation with ease of maintenance
- Comprehensive installation kit included in the box
- Built in low-level alarm input per pump

Specifications

Dimensions - Pump Modules

Height	171 mm / 6.73"
Width	102 mm / 4.02"
Depth	117 mm / 4.61"

Material

Enclosure	Polypropylene 20% mineral filled
Transparent Cover	Polycarbonate
Wall Bracket	Polyphenylene Sulphide

Power & I/O

Power	100-240V AC, 50-60Hz, 0.7A
Recharge Trigger Input	2-wire Volt-free contact closure
Initial Charge Trigger Input	2-wire Volt-free contact closure
Low-level Sensor	2-wire Volt-free contact closure (Optional 24V DC)

Dose Configuration & Setup

Pump Speed	Potentiometer 1: 1 to 100% Speed
Recharge Runtime	Potentiometer 2: 0 to 20 Seconds. Continuous Running @ Max.
Initial Charge Runtime	Potentiometer 3: 0 to 190 Seconds
Default Operation Mode (DIP1 OFF)	One Power Signal Mode - Pump runs Recharge then Initial Charge on power signal
Optional Operation Mode (DIP1 ON)	Permanent Power Mode - Dose on Volt-free trigger(s)

Weight

Pump Modules	0.980 Kg / 2.16 lbs
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Mounting

Pump Modules	Plastic modular mounting rail or DIN rail (35mm Top Hat)
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Regulatory Approvals

Europe & UK	CE Approved
North America & LATAM	CSA Approved

Environmental Specifications

Internal Ambient Temperature Range	5-40°C (41-104°F) For indoor use only
Humidity	Maximum relative humidity 80% at up to 30°C (86°F)
Ingress Protection Rating	IPX5

Pump Specifications

Flow Rate - Detergent Pump	0.2 Bar / 2.9 psi back pressure: 0 - 148ml/min at 100% speed
Flow Rate - Rinse Pump	3 Bar / 43.5 psi back pressure: 0 - 16ml/min at 100% speed
Maximum Duty Cycle - All Pumps	Intermittent use at 100% speed. 50% duty cycle, 5 minutes on, 5 minutes off
Maximum Duty Cycle - Rinse Pump	Continuous use at a maximum of 30% speed
Pickup Tube Length	Maximum 3m / 9.84'
Delivery Tube Length	Nominal 5m / 16.4'. Maximum 7m / 23'