



Accuratic DS



The next generation smart mechanical ware wash dispensing systems

Accuratic DS is a modular, accurate and reliable MWW dispenser for detergents, rinse aids and boosters/sanitizers. Accuratic DS can be used with a single tank, conveyor or multi tank machine. The system comes with a small interface box for easy connection of all trigger signals and sensors.

The Accuratic DS circuit board supports conductivity, induction, time and speed based dosing applications and connection with one or two electrical signals.

Accuratic DS can be programmed with a mobile App which also enables easy programming and predictive & remote service for TCS. The App also provides intuitive hygiene compliance and overall performance reports to help customers improve their operation.

Accuratic DS complies with all global electrical certifications and requirements for IP rating, maximizing the safety of the new dispensers and comes with a DIN rail compatible bracket for easy installation of multiple dispensers on the wall.

Accuratic DS brings you:

- Accurate dosing to deliver consistently high cleaning performance at controlled cost
- Reliable dispensers that don't break down unexpectedly ensure uninterrupted operations, preventing productivity loss and costly rewash
- Dispensers are simple to install and maintain because serviceable parts are easy to access and replace
- Dispensers are easy to program after making bluetooth connection via a mobile App: You can either scan a QR code with pre-populated settings OR you can manually populate all the required setting fields
- Easy to access, intuitive reports for TCS and customers

Key features

- Easy programming using an App
- Live screen and data for the last 3 months are available on App
- Reports over induction, longer time period on portal
- Conductivity, speed or time dosing mode and option for initial charge
- Power switch allows descaling of the dishwasher
- Prime button
- Reduced maintenance frequency due to longer lasting tubes
- Easy tube replacement / maintenance
- Delivered with all parts needed for installation in the box
- Option for a low level alarm



Accuratic DS

General

Size (primary & secondary pump)	H: 150 mm / 5.9", W: 120 mm / 4.72", D: 125 mm / 4.92"
Size BWI	H: 140 mm / 5.5", W: 153 mm / 6.02", D: 55 mm / 2.16"
Weight (primary pump)	980 gr / 2.16 p
Weight (secondary pump)	655 gr / 1.44 p
Weight BWI	340 gr / 0.75 p
Mounting	Pump: Plastic bracket, compatible to DIN rail, wall mounting with 2 screws on the bracket and 1 screw on the bottom of the pump. BWI: Plastic bracket, compatible to DIN rail, wall mounting with 2 screws on the bracket and 2 screws on the bottom of the BWI.
Enclosure material	Polypropylene 25% mineral filled
Transparent cover material	Polycarbonate

Regulatory approvals



Environmental specifications

Altitude	Maximum operating altitude 2000 meters (6500 feet)
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) decreasing linearly to 50% relative humidity at 40°C (104°F)
Pollution degree	2
Installation category	II

Primary pump power specifications

Power	100-240 VAC, 50/60Hz, 1.3A
Internal fuse size	1Amp 250V
Power cable size	2 x 0.75 mm ² / 18 AWG
Low level of chemical	3-pin connector 2 wire dry contact Optional 24 VDC, 16mA output for powered depletion sensor
Tube break alarm (embedded)	Dry contact
External alarm	24 VDC, 500 mA max load, polyfuse
Battery	1 x CR2032, 3V

BWI power specifications

Power	24 VDC
Trigger input voltage	24 – 240 VAC, 0.005A / trigger 24 – 120 DC, 0.005A / trigger
Data cable size	4 x 0.5mm ² / 20 AWG, length: 5m / 16.4'
Trigger cable size	4 x 0.5 mm ² / 20 AWG



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Pump Flow Rate

Detergent unit (primary)	0.2 Bar back pressure - 1.5ml/min at 10% speed - 130ml/min at 100% speed
Rinse unit (secondary)	3 Bar back pressure - 0.25ml/min at 10% speed - 19ml/min at 100% speed
Duty cycle	60%, maximum continuous run time: 10 minutes

Pump Hydraulic Performance

Detergent unit (primary)	1 Bar / 14.5 PSI max
Rinse unit (secondary)	3 Bar / 43.5 PSI max

For the complete parts list please visit the Diversey Equipment Website: www.solutionsdeliverysystems.com