CLEANING TECHNOLOGY
Made in Germany

FUNCTION PACKAGE
DI-Water System

For the production and quality control of deionized (DI) and demineralized (DM) purified rinse water in the cleaning system.

Part numbers:
0905OP51-8DIC (AQUBE® / PSE MH5 systems)
0905OP71-8DIC (AQUBE® / PSE MH7 systems)
0905OP92-8DIC (AQUBE® MH9)

Application

When cleaning misprints in AQUBE® and PSE systems, the rinse medium (usually water) should be as free as possible of salts and lime to achieve the desired degree of electrical and optical cleanliness.

The DI- / DM-water system directs either normal drinking / tap water through a resin cartridge into the final rinse tank so that it is desalted and mineral-free or the rinse tank is filled from a DI-water feed provided by the customer.

The integrated DI-monitoring module which is connected to the PLC permanently monitors the water quality by means of µS conductivity via a DI-transmitter placed in the final rinse tank. If it falls below the preset value ("DI warning threshold"), a message ("replace DI cartridge") for changing the resin cartridge or exchanging the water from local DI-water feed is automatically signalized by the PLC.

With the DI-controller in the rinse tank also an automatic water change can be initiated. With the PLC setting of a necessary DI / DM clear rinse cycle time and / or a regular time (day and hour) the water exchange of the tank can be initiated automatically.

NOTE: The use of the DI water system function package requires a built in automatic water exchange for pumping out and refilling the rinse tank. If this is not installed in the system (e.g. AQUBE® / PSE MV and PSE 300 2VL systems), the DI-Water System Combi function package (incl. automatic water exchange) is required.

Compatibility

🟦		AQUBE® LH5
🟦		AQUBE® LH7
🟦		AQUBE® XH5
🟦		AQUBE® XH7
🟦		AQUBE® XH9
🟩		AQUBE® MH5
🟩		AQUBE® MH7
🟩		AQUBE® MH9
⬜		AQUBE® MV3 ONE
⬜		AQUBE® MV8 sTWIN
⬜		AQUBE® MV9 QUAD
🟦		PSE LH5
🟦		PSE LH7
🟩		PSE MH5
🟩		PSE MH7
⬜		PSE MV8 TWIN
⬜		PSE 300 2VL
⬜		PSE 300 2VL-XL
⬜		PSE 300 VL
⬜		PSE 300 2HD
⬜		PSE 300 HD
⬜		AF 20
⬜		AF30
⬜		AF75

Function package - Components

☐	DI / DM water measuring unit with µS conductivity measuring probe (Functional part)
☐	PLC module (read / evaluation unit) (Functional part)
☐	DI mixing-blending unit (Functional part)
☐	DI / DM water treatment resin cartridge (Accessory)
☐	Cartridge deaerator (Functional part)

NOTE: Single options and accessories can be ordered and fitted separately, functional parts are exclusive components of a function package.

Standard in the system	Option ex factory	Retrofittable	Incompatible