

BIO PUREMAX

Bringing Technology to Pharmaceutical Water

Washers

Pharma and Biotech Industry



Washer Unit

Biopuremax also provides pharmaceutical water and clean utility systems with over 30 years of experience, offering full design, installation, validation, and ongoing support precisely aligned with each customer's process requirements.

Biopuremax Washer

The automatic Biopuremax washers operate in batch mode, each cycle runs automatically and includes pre-defined washing and drying stages with controlled temperature and cleaning agent quantities.

Cycle stage:

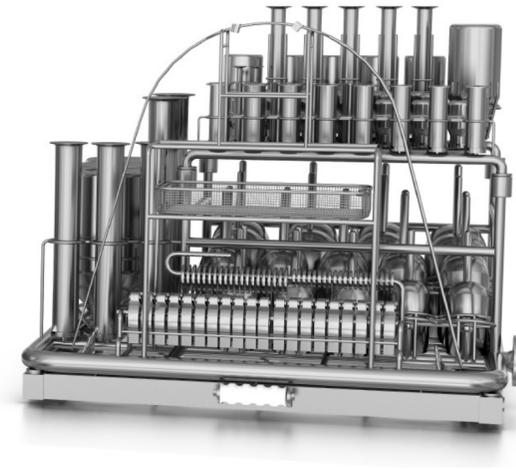
Pre-wash | Detergent wash | Optional chemical cleaning | Rinsing | Final Water-for-Injection (WFI) rinse | Drying

Final WFI Rinse and Drying

- Online WFI drain conductivity monitoring during the final rinse to confirm cleanliness
- Outlet sampling point for TOC verification prior to drying
- Complete chamber drainage before the drying phase
- Drying with HEPA-filtered hot air

Key Features

- Constructed from SS316L for product contact parts and SS304 for non-wetted parts
- GMP-compliant design
- Control System as per 21CFR part 11
- Fully automatic operation
- Adjustable process parameters
- Dot-matrix printer
- Chamber accommodates various load shapes, sizes & types
- Unique cart design
- External wash with high-impact jets via two rotating arms
- Self-docking cart for automatic water circuit connection
- Online WFI conductivity monitoring
- Special drain line hold-up-free drainage
- Powerful circulation pump
- Precision dosing pumps
- Chamber insulated with rock wool
- Electrical air heating system for drying
- Heated air passed through H13/H14 HEPA
- Machined groove gasket for door sealing
- Integrated safety interlocks



Laboratory components



Large Vessels



Beta Containers



Small Vessels