LifeGen
HWS

The Hydro LifeGenHWS is a fully automated, skid-mounted, pre-plumbed, pre-wired, and hot water sanitizable reverse osmosis/electrodeionized (RO/EDI) unit. This RO system is well-suited for pharmaceutical applications requiring Purified Water. The unit is designed to meet or exceed USP Purified Water < 1.3 µS/cm. The system is backed by Warranty and Supported by Hydro 24-Hour service.

STANDARD FEATURES

- Powder Coated Carbon Steel Skid-Mounted Packaged System
- Pre-piped and pre-wired Storage and Distribution Unit
- Pre-RO Schedule 80 CPVC Piping and Post-RO SF1 316L Stainless Steel with Diaphragm Valves (USP Class VI EPDM Seals)
- Twin Alternating Water Softener
- Sanitary 316L Stainless Steel RO Break Tank with Booster Pump
- Backwashable 316L SS Carbon Filter with Continuous Recirculation
- Multi-round Sanitary 316L Stainless Steel RO Pre-Filter with 5 Micron Cartridges
- Sanitary Shell and Tube Heat Exchanger for periodic Sanitization
- Reverse Osmosis FRP Pressure Vessels with Full-Fit Pharmaceutical Membranes & High Pressure Pump
- RO/EDI Recirculation to Break Tank with UV and 0.2µ Final Filter
- Clean-in-Place Ports
- VFDs with NEMA 12 and/or 4X kits
- UL-Listed Control Panel with Color Touchscreen in 304 SS NEMA 4X Enclosure
- Full Engineering Turnover Package (ETOP) with 3D Drawings, PLC and HMI Programs, with Calibration and Material Certs, Weld Logs, 100% Borescopic Examination of Stainless Welds

OPTIONAL FEATURES

- Turbidity Filtration
- Storage and Distribution Packages
  - Multiple options including hot water or ozone sanitization
- 316L Stainless Steel SF4 Plumbing
- PTFE/EPDM Diaphragms
- Stainless Steel Skid(s)
- Single Point Power Distribution Panel
- BACNET/Modbus Communication
- Validation Packages including FAT, SAT and IQOQ
- Ambient Water-for-Injection (AWFI)
- Fully customizable to meet customer specification

THE PURE CHOICE.

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