LifeGen

The Hydro LifeGen is a fully automated, skid-mounted, pre-plumbed, and pre-wired reverse osmosis/deionized (RO/DI) unit. This compact RO/DI 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-RO Sch. 80 PVC Piping and Post-RO Georg Fischer IR Butt-Fusion Beta Polypropylene Plumbing with Diaphragm Valves with USP Class VI EPDM Seals
- 5 Micron Pre-Filter
- Reverse Osmosis FRP Pressure Vessels with Full-Fit Pharmaceutical Membranes & 316 SS High Pressure Pump Designed at 75% Recovery
- Feed Solenoid Valve, RO Low Pressure Shutoff, Reject, Recycle and Product Flow Indicators, Feed, Membrane and Reject Pressure Gauges
- FRP Mixed Bed Deionizers with Sanitary Connections
- 0.2 Micron Final Filter
- Clean-in-Place Ports
- VFD with NEMA 12 and/or 4X kits
- UL Listed Control Panel with Color Touch Screen mounted in a Painted Steel NEMA 4 Enclosure
- Ethernet Communication for Building Automation System (BAS)
- 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

- Fully Automated Carbon/RO/EDI Hot Water Sanitization
  - With electric or steam heater
- Turbidity Filtration
- Water Softener
- Carbon Filtration
- Electrodeionization (EDI) Unit with Idle Flush
- Storage and Distribution Packages
  - Multiple options including hot water or ozone sanitization
- Natural PP, PVDF or 316L SS Plumbing
- PTFE/EPDM Diaphragms
- Stainless Steel Skid(s)
- Single Point Power Distribution Panel
- BACNET/Modbus Communication
- Validation Packages including FAT, SAT and IQOQ
- Additional Voltages and Sizes Available
- Fully customizable to meet customer specification

THE PURE CHOICE.

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Rev 02/2025