

THE HYDRO LIFE-GEN HOT WATER SANITIZABLE

Description

The Life-Gen HWS is a fully automated, skid-mounted RO/EDI generation system designed to pair with the Life-Dist HWS distribution system to support centralized USP Purified Water production for pharmaceutical applications, with hot-water sanitizable capability.

General Information

Series

CapEx Series

Water Quality

USP Purified Water

Generation

2 - 30 GPM
(Depending on model)

Applications

Engineered for pharmaceutical, biotech, and other regulated high-purity environments.

Dimensions

165L x 70"W x 120"H

Distribution

Pairs seamlessly with the Life-Dist HWS

Key Features

- Fully automated skid-mounted RO system
- Reverse Osmosis and EDI technology
- Hot water sanitization for microbial control
- RO break tank with UV and 0.2 μm final filter
- Sanitary 316L SS pumps and piping
- Resistivity and conductivity monitoring
- Color touchscreen control panel
- Full engineering turnover package with 3D drawings & PLC
- Validation packages (FAT, SAT, IQOQ)

Performance

Resistivity: 18 M Ω ·cm @ 77°F

Conductivity: $\leq 1.3 \mu\text{S/cm}$ @ 77°F

TOC: $\leq 0.5 \text{ ppb}$ (feedwater quality dependent)

Bacteria: $< 100 \text{ CFU/mL}$

Recovery Rate: ~75%

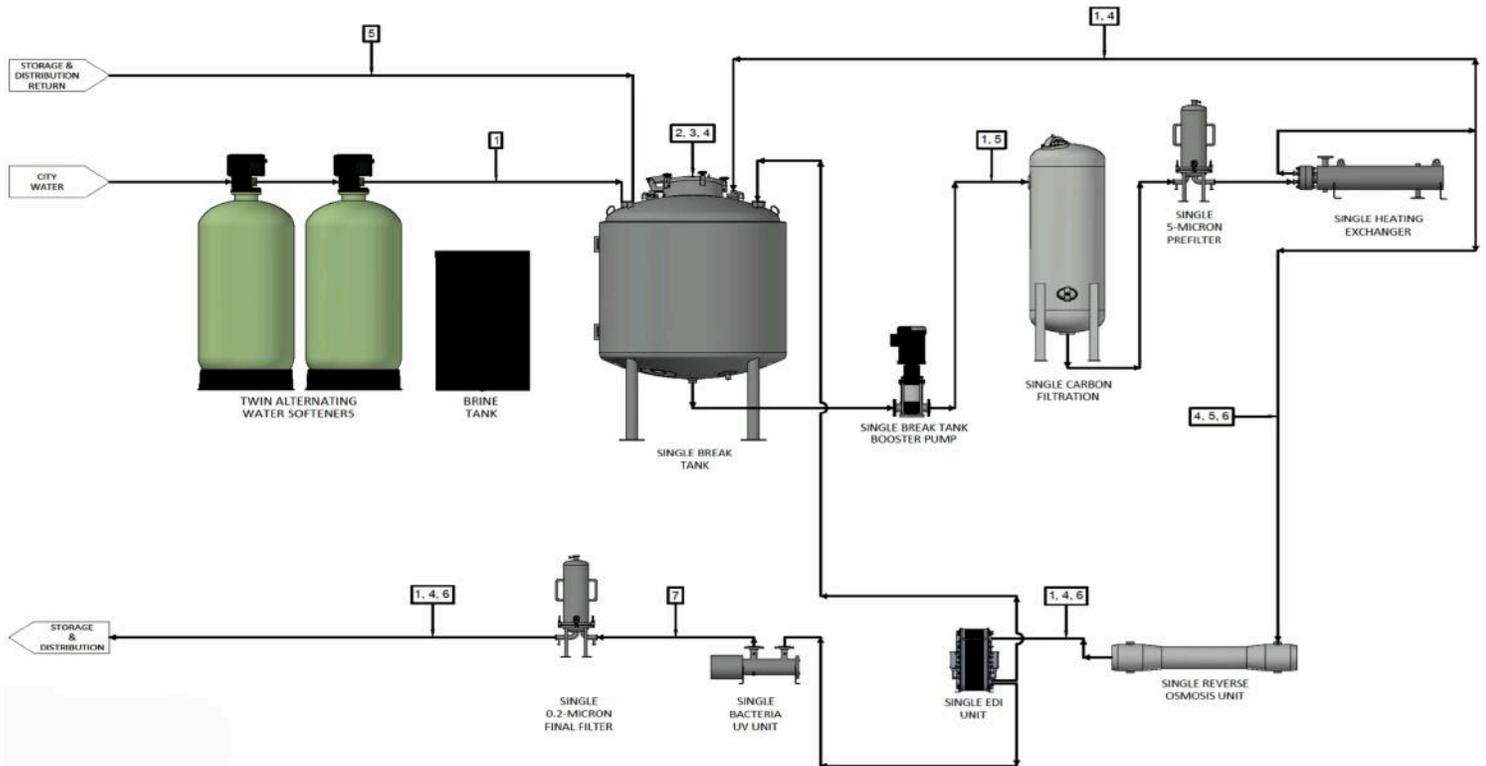


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THE HYDRO LIFE-GEN HWS

Flow Diagram



INSTRUMENTS

1 - Flow

2 - Rupture Disc

3 - Differential Level

4 - Temperature

5 - Pressure

6 - Conductivity

7 - UV Intensity