

THE HYDRO CORE



Description

The Hydro Core is a self-contained reverse osmosis system with integrated storage and distribution, designed to support centralized or multi-device clinical water applications.

General Information

Series

The Core Series

Water Quality

Produces ASTM Type I/II
USP Purified Water

Distribution

2 GPM or 5 GPM

Applications

Midsize labs and cleanrooms

Dimensions

40"L × 24"W × 75"H

Storage Capacity

30 gallons

Key Features

- Cabinet RO system
- Integrated storage and distribution
- Stainless steel pump with VFD
- Dual resistivity/conductivity monitoring
- Auto flush cycle extends membrane life
- Bacterial UV and 0.2 μm final filtration
- 30-gallon storage tank with level control

Performance

Resistivity: 18 M Ω ·cm @ 77°F (25°C)

Conductivity: 0.056 $\mu\text{S}/\text{cm}$ @ 77°F

TOC: ≤ 50 ppb (feedwater quality dependent)

Bacteria: ≤ 10 CFU/mL

Total Silica: ≤ 3 ppb

Generation Flow: 43 GPH (162 LPH) @ 77°F

Distribution Flow: **2GPM or 5 GPM** @ 30-60 PSI

Also available in RO-only or Cation/Anion-only configurations

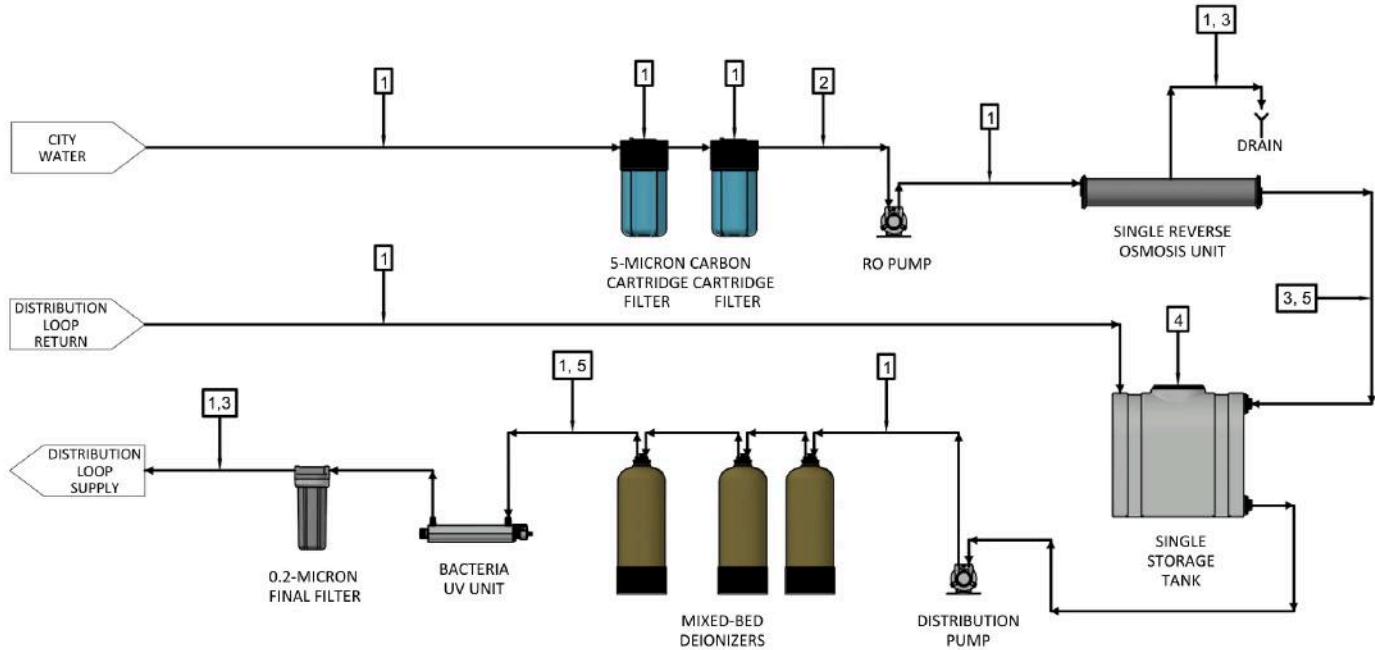


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Flow Diagram



INSTRUMENTS
1 - Pressure
2 - Low Pressure Switch
3 - Flow
4 - Level
5 - Resistivity