

Service Demineralization Skid

Consistently provides dependable and convenient demineralization service for light to medium production requirements.

Ion exchange vessels of 15 or 30 cubic feet provide customized systems to meet specific flow rate and quality requirements.

Includes interconnecting hoses with optional monitoring instrumentation and automatic shutdown controls.



FEATURES

- Flexible media configurations including filtration, cation, anion and mixed bed ion exchange resin
- Variable flow rates up to 350 gpm per train with two trains per header
- No hazardous chemicals stored or handled on jobsite
- Convenient vessel-exchange service with MPW's liftgate truck and walk-behind forklift
- Multiple skid options available
- Logistics Department available 24/7 for dependable order placement and delivery coordination
- Pressure-reducing valve and pressure-relief valve
- Actuator/auto shutdown on conductivity
- Conductivity meter and final flow meter
- Optional silica analyzer and sodium analyzer

APPLICATIONS

- High-purity water requirements
- Reverse osmosis polishing
- Condensate or off-spec water polishing
- Process water requirements
- Zero liquid discharge locations
- Seasonal and peak demand requirements
- Supplemental capacity support
- Power generation peaking plant requirements

DIMENSIONS

12-Vessel Header: Vessel

157"x76"x48" (LxHxW)

Weight

1,200 pounds

Header (with 12 vessels):

Footprint

144"x88"x225"

PRODUCT WATER

Flow rate

≤350 gpm per side

Silica

≤10 ppb

Effluent Conductivity

≤0.1 µS/cm

CONNECTIONS

Tank Connections

2" Male Camlock

Header Inlet

4" Male Camlock

Header Outlet

4" Male Camlock

Pressure Relief

2.5" Male Fire Hose

REQUIREMENTS

Max. Water Temp.

110° F

Max. Inlet Pressure

100 psi

Min. Inlet Pressure

30 psi

MEDIA TYPE

Vessel arrangements

Carbon filtration media

Strong cation

Weak base anions

Strong base anions

Mix beds

