

VPure 4400H

USP Purified Water System With Hot Water Sanitization

The VPure 4400H is a value designed USP grade water system for use in bacteria controlled applications in the Life Science market. The base system is a compact centralized hot water sanitizable RO system and distribution system with an option for Service DI (SDI) or Electrodeionization (EDI) to polish the RO permeate to USP purified water grade. The system generates Purified Water, stores it and delivers it to the loop. The system has a self-contained air compressor and an electric heat exchanger, saving on expensive plant utility integration. Energy saving features have been included to minimize the impact on the environment.

Standard Features

- Automated Hot Water Sanitization Capability
- 2.5, 5.0, 7.5 & 10.0 gpm RO Permeate Flow Rates
- Distribution Tank, Pump, UV, and Final Filter
- Sanitary 316L Stainless Steel Piping
- Sanitary Stainless Steel RO Membrane Vessels
- Sanitary Permeate Sample Valves
- Manual and Air Actuated Tri Clamp Ball Valves
- On Board & Quiet Air Compressor
- CSA, UL approved NEMA 4/12 Control Panel
- Digital Instrument Package:
 - Feed, Reject, Recycle Flow Sensors
 - Prefilter Inlet/Outlet, RO Pump Pressure Sensors

Applications

- Pharmaceutical/Biotech
- Medical Device Rinsing
- Cosmetic Manufacturing
- Feed to Stills or Pure Steam Generator
- Central Lab Water



Distribution System

- Sanitary 175 Gallon 316L Stainless Jacketed Distribution Tank
- Heat Traced Vent Filter Controlled & Monitored by PLC
- 15 and 30 gpm Distribution Flow Rates
- 20 KW Electric Heater
- Hot Water Sanitizable UV System
- 0.1 micron, 316L Stainless Multi Tube Filter Housing
- Sanitary 316L SS Piping
- Air Actuated Spring Return Automated Valves
- Self Adjusting Loop Return Control Valve
- Loop Return Velocity Flow Sensor

Electrical / Instrumentation

- High Efficiency Motors with Variable Frequency Drive
- Allen Bradley Compactlogix
- 10" Color Touch Screen Panelview
- NIST Traceable Conductivity / Temperature Monitor
- Sanitary Product Conductivity / Temperature / Pressure sensors
- Quick Connect Electrical Connections for Field Interlock Devices
- Built in Fused Disconnect
- Uninterruptible Control Power Supply

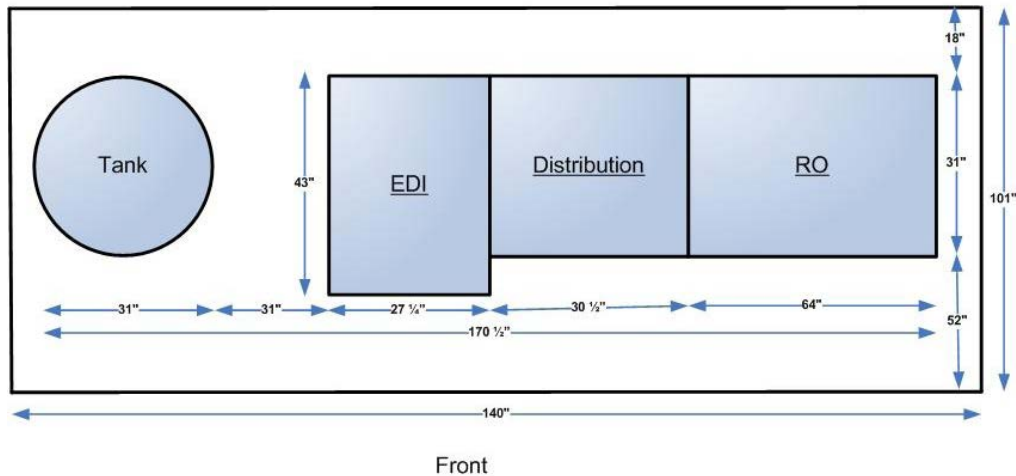
Technical Data

Standard VPure 4400 H Models @ 75°F (25°C)									
The VPure 4400H is available in 4 standard configurations as listed below:									
Model Number	Voltage ¹	Product Flow ²		Feed Flow		RO Pump	Distribution Pump		Housings
		GPM	LPM	GPM	LPM	HP (w/EDI)	HP	GPM	
VPure 2.5	480 VAC/3PH/60HZ	2.5	9.5	3.3	12.5	3.0	2.0	15/30	3
VPure 5.0	480 VAC/3PH/60HZ	5.0	18.9	6.7	25.4	5.0	2.0	15/30	5
VPure 7.5	480 VAC/3PH/60HZ	7.5	28.4	10.0	37.9	5.0	2.0	15/30	6
VPure 10.0	480 VAC/3PH/60HZ	10.0	37.9	13.3	50.3	7.5	2.0	15/30	8

¹There are two additional voltage options available. 208VAC/3PH/60HZ & 600VAC/3PH/60HZ.
²Flow is based on feed water temperature of 75°F (25°C).

Layout & Dimensions

Installed Height: 103 inches



Available Options

- Pre-Treatment
- Break Tank / CIP System
- Electrodionization (EDI) Polishing System
- 316 SS SDI Polishing Tanks
- UV and 0.2 micron Final Filter, post Ro, SDI or EDI
- TOC Monitoring Loop Return
- FAT, SAT, IQ, OQ Documentation
- Witnessed Factory Acceptance Test
- Access Key Information From A Remote Location Via Internet



Mar Cor Purification
 4450 Township Line Road
 Skippack, PA 19474-1429
 Tel: (484) 991-0220
 Toll Free: (800) 346-0365
 Fax: (484) 991-0230

Mar Cor Purification
 14550 28th Avenue North
 Plymouth, MN 55447
 Tel: (484) 991-0220
 Toll Free: (800) 633-3080
 Fax: (763) 210-3868

Mar Cor Purification
 3250 Harvester Road - Unit 6
 Burlington, ON L7N 3W9
 Tel: (905) 639-7025
 Toll Free: (800) 268-5035
 Fax: (905) 639-0425

Mar Cor Purification
 Sourethweg 11
 6422 PC Heerlen
 The Netherlands
 Tel: (+31) 45 5471 471
 Fax: (+31) 45 5429 695

Mar Cor Purification
 1A International
 Business Park, #05-01
 Singapore 609933
 Tel: (+65) 6227 9698
 Fax: (+65) 6225 6848