

Barnstead Reverse Osmosis



ROpure ST



ROpure ST

Type II Water Directly from Your Tap!

- Microprocessor controlled for fully automatic operation
- Complete with 30 liter storage tank
- Type II water on demand

Product Description

- Reservoir is filtered to prevent airborne contamination.
- Automatic flush helps maintain the membrane cleanliness.
- Integral pump provides for consistent flow rates.

- Built-in pressure switch prevents low pressure pump burnout.
- Rejection monitor provides an indication of membrane performance, alerting you when a problem exists.
- Bench and wall mounted units provide flexibility in choosing site location.
- Simple installation.
- Optional mixed bed cartridge provides a minimum resistance of 1 megaohm-cm water to the storage unit meeting type II standards.
- State-of-the-art membranes provide for greater flexibility in feedwater pretreatment.
- Larger storage tanks available if your demand dictates.

Applications

- Laboratory pretreatment up to 350 liters per day
- Pure water source for Type II applications
- Purified water for glassware washing

PRODUCT SPECIFICATIONS

Purity (with the use of optional D5027 ultrapure cartridge)	Min. 1 megohm-cm4	Plumbing Connections	Feedwater	3/8" OD tubing (supplied) or 1/4" NPTF
Dimensions	Wall Mount	22" x 14" x 28" (55.9 x 35.6 x 71.1 cm)	Product Water	Integral valve and 3/8" OD tubing (supplied from storage)
	Bench Mount	22" x 16" x 32" (55.9 x 40.6 x 81.3 cm)	Reject Water Overflow	3/8" OD tubing (supplied) 3/8" OD tubing (supplied)
Operating Pressure	50-60 psig		Weight	Wall Mount
Electrical	120 VAC, 50/60 H, 1 Phase, 3.0 Amps.			Bench Mount
				Shipping 69 lbs. (31.3 kg) Operating 137 lbs. (62.1 kg) Shipping 88 lbs. (39.9 kg) Operating 156 lbs. (70.8 kg)

MEMBRANE SPECIFICATIONS

Production Rate:	11/19 lph1	Maximum Temperature:	31°C (87.8°F)	Rejection Rates ³		
Inlet Pressure:	Min. 1 megohm-cm	Silt Density Index:	<5%		Monovalent Ions:	90-95%
Water Consumption:	77 lph	Free Chlorine:	0.2-1.0 ppm		Polyvalent Ions:	95-99%
pH:	4-8	Langlier Saturation Index of Feedwater:	Negative		Particles:	>99%
TDS (Max. ppm CaCo ³):	800	Turbidity:	<1 NTU		Microorganisms:	>99%
		Iron Total as Fe:	<0.5 ppm		Dissolved Organics (300 MW):	>99%

ORDERING INFORMATION

Model #	Description	US List Price
D6311	ROpure ST wall mount includes reservoir and fully automatic controls, 120 VAC, 50/60 Hz, 3.0 amps. (Order membrane and prefilters, separately.)	\$4,064.00
D6317	Membrane cellulose acetate 11 lph (2.9 gph)	\$591.00
D6318	Membrane thin film 19 lph (5.0 gph)	\$800.00
D63112	Pretreatment and prefilter cartridge, thin film membrane	\$63.00
D63111	Prefilter 5 micron, cellulose acetate	\$63.00
D5027	Optional mixed bed Ultrapure cartridge	\$87.00

ACCESSORIES

Model #	Description	US List Price
D0605	Automatic mixing valve connects to hot and cold water lines and maintains feedwater temperature at 25°C ±2°C. Ensures specified output capacity.	\$409.00
TY631X2A	100 liter rigid polyethylene storage reservoir. (Order NANOpure low water pump protector separately.)	\$1,223.00