

8.0 Performance Data Sheet (National)



VERTEX WATER PRODUCTS

Performance Data Sheet

Vertex PureWaterMachine Reverse Osmosis Water Filter System

This is a water filter system optimized to produce good drinking water for home use.

Models are PT-4.0, PT-4.0/P, PT-4.0/5 and PT-4.0/5/P



WQA GOLD SEAL APPROVAL (Water Quality Association)

This system has been tested by the Water Quality Association according to ANSI/NSF 58 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than, or equal to the permissible limit for water leaving the system, as specified in ANSI/NSF 58. Test parameters: 25°C, 50psig and pH of 7.5. Performance under actual conditions may vary.

Contaminant	Ave. Influent	Ave. Effluent	Ave. % Reduction	USEPA MCL
TDS (mg/L)	750	63	91.6%	N/A
LEAD (mg/L)	0.145	0.005	96.7%	0.010
SELENIUM (mg/L)	0.10	0.0006	99.4%	0.05
CHROMIUM-6 (mg/L)	0.3	0.01	96.0%	0.1
NITRITE (mg/L) *	2.9	0.49	83.1%	1.0
NITRATE (mg/L) *	26.1	5.1	80.6%	10.0

*This system is acceptable for treatment of influent concentrations of 27ppm or less Nitrate and 3ppm of Nitrite in combination and is certified for nitrate/nitrite reduction for water pressure of 40psig or more.

Additional Reduction Claims

ARSENIC	98.7%	FLOURIDE	93.0%
BARIUM	97.9%	RADIUM 226/228	80.0%
CADMIUM	98.6%	CYSTS	99.99%
CHROMIUM-3	94.0%	TURBIDITY	97.5%
COPPER	99.0%		

Specifications

36-gallon per day reverse osmosis membrane
 14.2-gallon per day clean water production at 50 psig inlet and at 77°F(25°C)
 Storage tank: 4.0 gallon total volume; 2.5 gallon water volume
 Dimensions: 14in. long by 7 in. wide by 18 in. high; Tank: 11-in. dia by 15 1/2 in. high
 Weight: 26 pounds, voltage required for PT-4.0/P and PT-4.0/5/P, 110V x 0.1 amp.

Conditions of Use

Do not use with water that is microbiologically unsafe, or of unknown quality, without adequate disinfection before or after the system.
 Pressure: Minimum-40psig; Maximum-100psig
 Temperature: 40 to 100 deg. F.
 pH Range=3.0 to 10, max iron content - 0.3 ppm
 Turbidity of inlet water-less than 1.0 NTU, maximum TDS-1500ppm

This system contains replaceable treatment components critical to effective reduction of TDS. Replacement parts and numbers are shown below. The product water should be tested periodically to verify that the system is performing satisfactorily in addition to making the parts replacement specified.

RO Membrane Element 36-gpd, P/N MF-4009
 First stage sediment filter, 5-micron, P/N SF-4001
 Second stage activated carbon block, P/N CF-4000
 Post filter fourth stage, activated carbon, P/N IF-4002
 See OWNERS INSTALLATION manual for complete installation/operation and maintenance requirements, including manufacturer's limited warranty.

Recommended changeout interval
 once each 3 years
 once each year
 once each year
 once each year

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