

Pentair Water® Reverse Osmosis System



System Comparison		
	Pentair Water RO	Standard RO
Average Daily Production Rate	Hundreds of liters	37,9-189 LPD (10-50 GPD)
Water Storage Tank	Optional	Integral part of system
System Efficiency*	22.7%	As little as 5%

* Efficiency rating is identical to recovery rating when the system is tested without a storage tank or when a storage tank is bypassed.

Minimum and Maximum Operating Conditions		
Condition**	Minimum	Maximum
Inlet Pressure	2.76 bar (40 psi)	5.52 bar (80 psi)
Inlet Temperature	4.44°C (40°F)	37.78°C (100°F)
Inlet TDS	50 mg/L	2,000 mg/L
Inlet Hardness	0 mg/L - (0 grain)	171 mg/L - (10 grain)
Inlet Chlorine	0 mg/L	1.0 mg/L
Inlet Iron	0 mg/L	0.1 mg/L
Inlet Manganese	0 mg/L	0.05 mg/L

**System is designed for use on potable water sources only.

Tubing/Fitting Dimensions	
Inlet Tubing	1.22 meters of 12.7 mm natural tubing (4 feet of 1/2" natural tubing)
Concentrate Tubing	1.22 meters of 9.53 mm black tubing (4 feet of 3/8" black tubing)
Permeate Tubing	1.22 meters of 9.53 mm blue tubing (4 feet of 3/8" blue tubing)
Drain Tubing (for airgap installation)	0.91 meters of 12.7 mm red tubing (3 feet of 1/2" red tubing)
Drain Connection	9.53 mm or 12.7 mm (3/8" or 1/2")
Carbon Post-Filter	9.53 mm quick disconnect fittings (3/8" quick disconnect fittings)

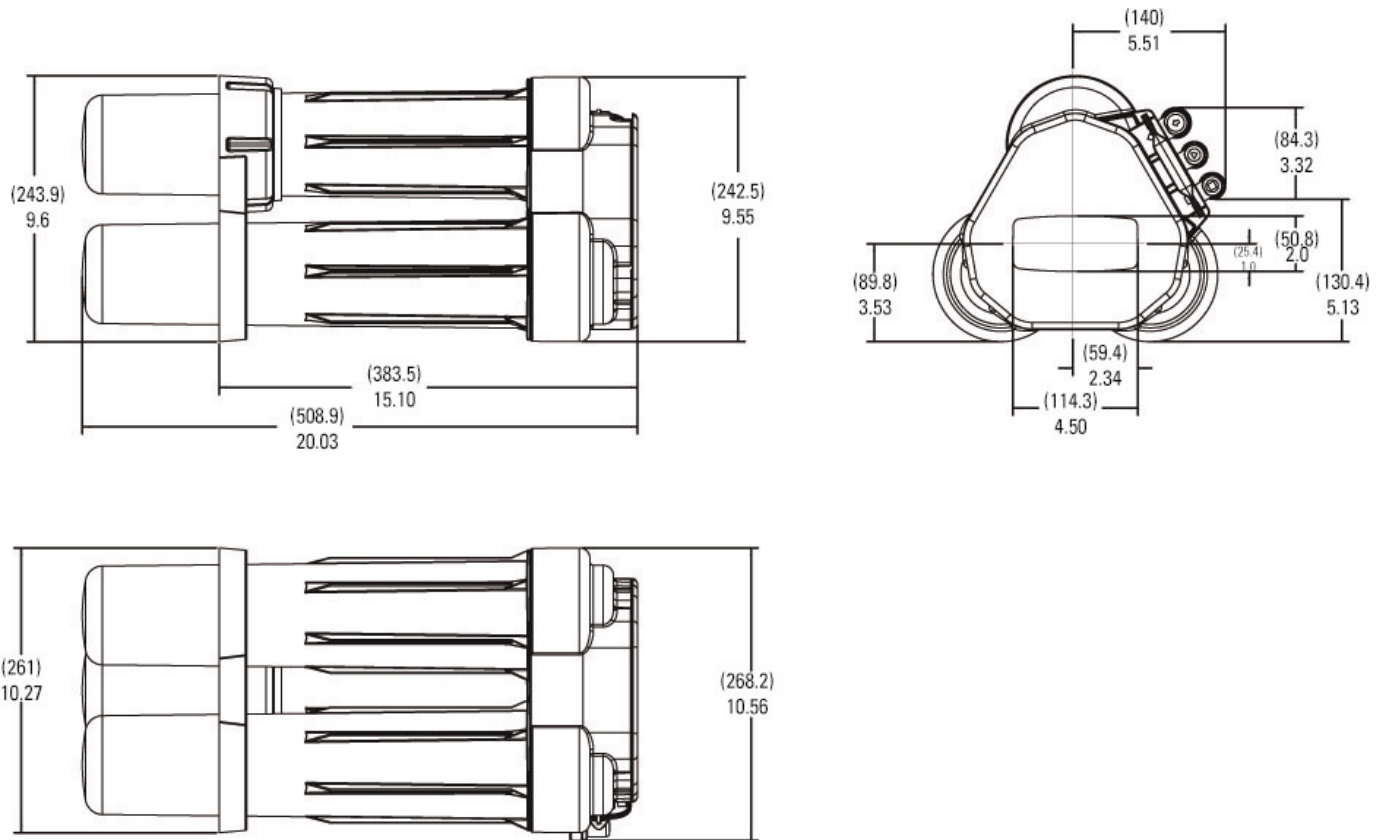
Inlet Connectors	
Option 1	12.7 mm x 12.7 mm x 12.7 mm tee (1/2" x 1/2" x 1/2" tee)
Option 2	15.875 mm x 15.875 mm x 12.7 mm tee (5/8" x 5/8" x 1/2" tee)
Option 3	12.7 mm x 12.7 mm threaded x 12.7 mm tee (1/2" x 1/2" threaded x 1/2" tee)
Option 4	15 mm x 15 mm x 12.7 mm tee (0.59" x 0.59" x 1/2" tee)

Filter/Membrane Performance Specifications				
Dimensions				
Filter Type	Length	Diameter	Flow Rate***	Average Life
Carbon Pre-Filter	43.2 cm (17.0")	7.4 cm (2.9")	14.2 LPM (3.75 GPM)	6-12 months, 37,850 liters (10,000 gal)
RO Element	47.6 cm (18.75")	8.0 cm (3.16")	0.95 LPM (0.25 GPM)	2-4 years
Carbon Post-Filter	25.4 cm (10.0")	5.1 cm (2.0")	2.8 LPM (0.75 GPM)	6-12 months

***Based on internal testing data.

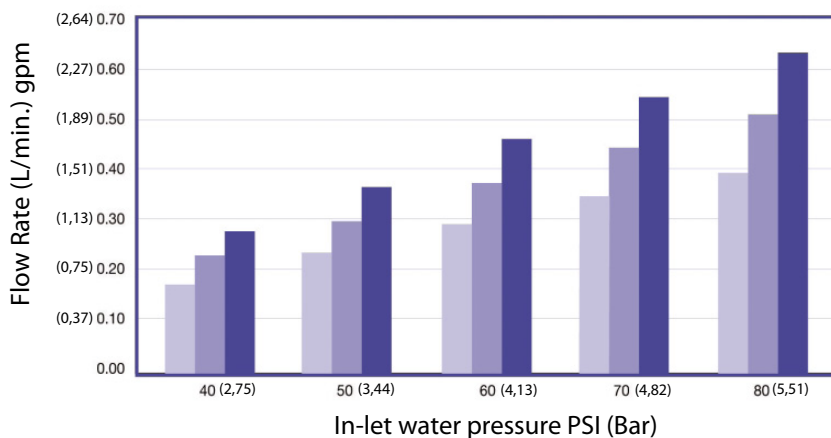


Outline Dimensions in Inches (mm)



Performance - Flow Rate Characteristics*

Based on 750 ppm TDS Inlet Water



Water temperature

50°F (10°C) 65°F (18,3°C) 80°F (26,6°C)

Flow Adjustment Based on TDS

Estimated Flow Change from 750ppm NaCl/RO = -0.0002 (TDS) + 0.15

*Estimated flow based on internal test data. Actual performance may vary.