

# TECHNICAL SHEET

**PENTAIR** 

PRF RO REVERSE OSMOSIS SYSTEM



# \*\* PENTAIR TECHNICAL SHEET



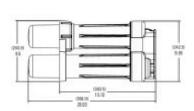
# PRF RO REVERSE OSMOSIS SYSTEM

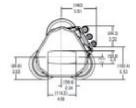


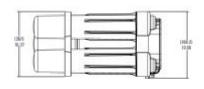
#### **TECHNICAL CHARACTERISTICS**

- On-demand flow system, continuous flow, no storage tank needed
- Functionning without pump or electricity, line pressure: 2.76 bar
- Consistent membrane efficiency
- High recovery system
- High impact plastic costruction
- Compact and sleek styling
- Custom high-flow faucet (with air gap)
- Complete product literature and training support

#### **OUTLINE DIMENSIONS IN INCHES (CM)**







#### **APPLICATIONS**

- Steamers
- Coffee makers
- Photography processing
- Water coolers
- Business offices
- Restaurants
- Humidifiers
- Aquariums
- Misters

- Pubs
- Many more profitable possibilities

# FILTER/MEMBRANE PERFORMANCE SPECIFICATIONS

Dimensions				
Filter Type	Length	Diameter	Flow Rate***	Average Life
Carbon Pre-Filter	43.2 cm	7.4 cm	14.2 Lpm	6-12 months, 37 850 L
R0 Element	47.6 cm	8 cm	0.95 Lpm	2-4 years
Carbon Post-Filter	25.4 cm	5.1 cm	2.8 Lpm	6-12 months

<sup>\*\*\*</sup> Based on internal testing data.



MINIMUM AND MAXIMUM OPERATING CONDITIONS			
Condition**	Minimum	Maximum	
Inlet Pressure Conditions	2.76 bar	5.52 bar	
Inlet Temperature	4.44°C	37.78°C	
Inlet TDS	50 mg/L	2000 mg/L	
Inlet Hardness	0 mg/L	171 mg/L	
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	

<sup>\*\*</sup> System is designed for use on potable water sources only.

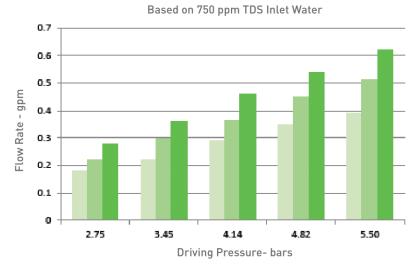
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Inlet Tubing	1.22 m of 12.7 mm natural tubing (4 feet of ½ inch natural tubing)		
Concentrate Tubing	1.22 m of 9.53 mm black tubing (4 feet of ¾ inch black tubing)		
Permeate Tubing	1.22 m of 9.53 mm blue tubing (4 feet of 3% inch blue tubing)		
Drain Tubing (for airgap installation)	0.91 m of 12.7 mm red tubing (3 feet of ½ inch red tubing)		
Drain Connection	9.53 or 12.7 mm (3/8 or 1/2 inch)		
Carbon Post-Filter	9.53 mm quick disconnect fittings (3% inch quick disconnect fittings)		

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Option 1	12.7 x 12.7 x 12.7 mm tee ( $\frac{1}{2}$ x $\frac{1}{2}$ inch tee)
Option 2	15.875 x 15.875 x 12.7 mm tee (5% x 5% x 1/2 inch tee)
Option 3	12.7 x 12.7 threaded x 12.7 mm tee ( $\frac{1}{2}$ x $\frac{1}{2}$ threaded x $\frac{1}{2}$ inch tee)
Option 4	15 x 15 x 12.7 mm tee (0.59 x 0.59 x ½ inch tee)

# PERFORMANCE - FLOW RATE CHARACTERISTICS\*





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

<sup>\*</sup> Estimated flow based on internal test data. Actual performance may vary.

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