



# TECHNICAL SHEET

**PENTAIR**

PRF RO REVERSE OSMOSIS SYSTEM





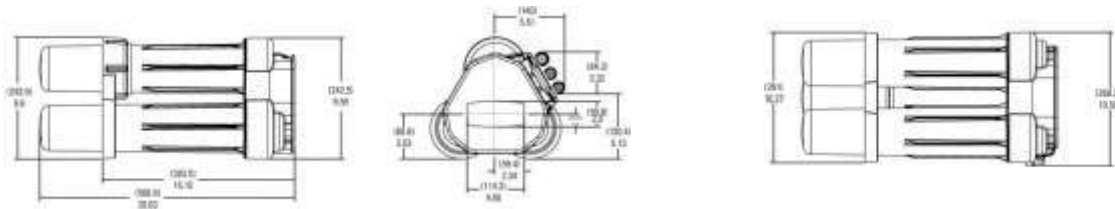
## PRF RO REVERSE OSMOSIS SYSTEM

### TECHNICAL CHARACTERISTICS



- On-demand flow system, continuous flow, no storage tank needed
- Functioning without pump or electricity, line pressure: 2.76 bar
- Consistent membrane efficiency
- High recovery system
- High impact plastic construction
- 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

| Filter Type        | Dimensions |          |              |                       |
|--------------------|------------|----------|--------------|-----------------------|
|                    | Length     | Diameter | Flow Rate*** | Average Life          |
| Carbon Pre-Filter  | 43.2 cm    | 7.4 cm   | 14.2 Lpm     | 6-12 months, 37 850 L |
| RO 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           |

\*\*\* 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 |

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

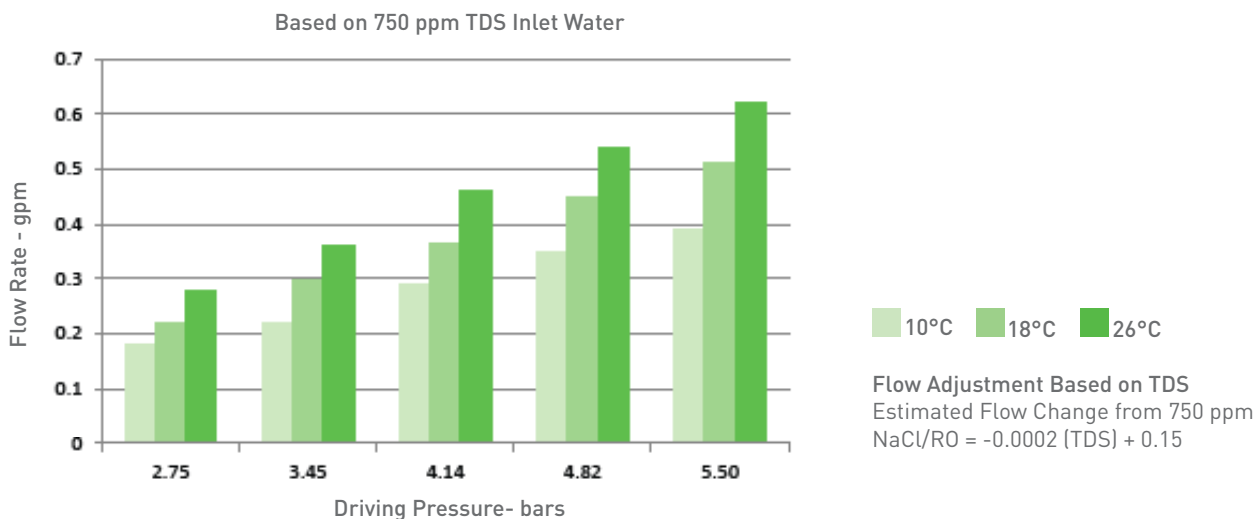
## TUBING/FITTING DIMENSIONS

|  |  |
|--|--|
| 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 ¾ 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 (¾ or ½ inch)  |
| Carbon Post-Filter                     | 9.53 mm quick disconnect fittings (¾ inch quick disconnect fittings) |

## INLET CONNECTORS

|          |  |
|----------|--|
| Option 1 | 12.7 x 12.7 x 12.7 mm tee (½ x ½ x ½ inch tee)                   |
| Option 2 | 15.875 x 15.875 x 12.7 mm tee (¾ x ¾ x ½ inch tee)               |
| Option 3 | 12.7 x 12.7 threaded x 12.7 mm tee (½ x ½ threaded x ½ 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\*



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

## Contact us:

### By mail

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