



# PRS-11

## Particle Reduction System

The PRS-11 system is designed to remove small particulate and colloidal material from tap water and protect bacterial filtration systems. In a hospital, clinic, dental office or outpatient surgery environment; bacterial filtration is used to protect patients and equipment from exposure to such water-borne bacteria as E.coli or Pseudomonas. Unfortunately, in some applications, tap water particulate concentrations are high enough to prematurely foul filters, requiring the frequent replacement of expensive filters.

The PRS-11 will pre-treat the feed water used for various equipment and protect the expensive bacterial filters. Thus allowing the filter used to protect items like device-reprocessing equipment or laboratory analytical equipment to remain operational throughout their recommended life.

The unique, 100kD molecular weight hollow fiber, ultrafiltration membrane is periodically cleaned by a built-in, programmable flushing system. The flush cycle provides long UF filter life with very little loss in flow and output pressure.

### Standard Features

- 100,000 Dalton Molecular Weight Hollow Fiber Ultrafilter
- Built-in programmable Auto-Flush system
- 25 micron pre-filter with housing and gauges
- 10 GPM Maximum flow rate
- System is packaged and ready to install
- Wall Mounting Bracket

### System Specifications

- Operating Pressure: 50 psi (3.45 bar)
- UF Molecular Weight Cut-off: 100 kD (kilo Dalton)
- Maximum Flow: 10 gpm (45.5 lpm)
- Power Transformer: 120-VAC 50/60 HZ
- Connections: ¾-inch inlet and drain  
1-inch outlet (permeate)
- Materials: Stainless Steel or inert plastic
- Pre-filter: 25 micron, 20-inch



# PRS-11 System Specifications

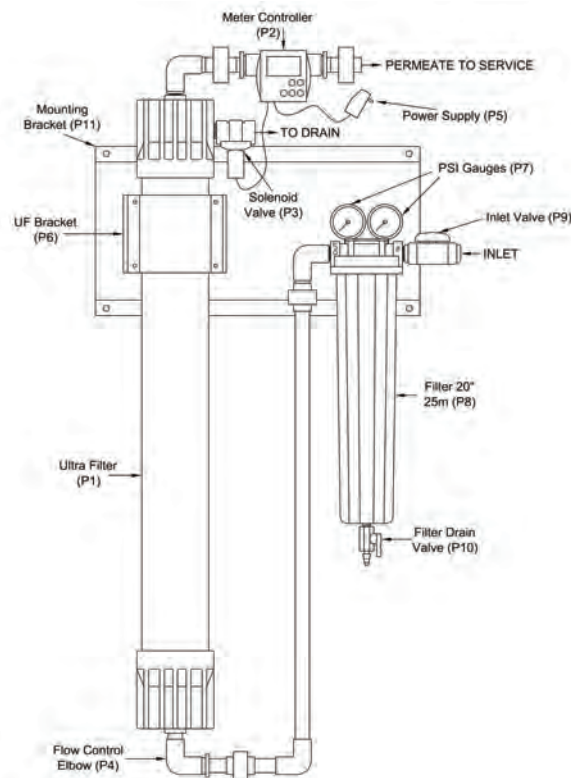
Model Number	Part Number	Height (in)	Width (in)	Depth (in)	Operating Weight w/water (lbs)	Shipping Weight (lbs)
PRS-11	490-15-171	53	27	7	70	45
<p>Note: All weights and dimensions are approximate.            Disclaimer: The PRS-11 is not designed to produce pyrogen or endotoxin free water. It is a pretreatment system. If bacterial filters have been provided with a medical or pharmaceutical system, they must remain in place.</p>						

## Feedwater Requirements

<b>Feed Water Type</b>	Potable Tap Water	
<b>pH</b>	(Min.) 3	(Max.) 10.0
<b>Pressure</b>	(Min.) 30 PSI (2.07 bar)	(Max.) 75 PSI (5.17 bar)
<b>Temperature</b>	(Min.) 40°F (4°C)	(Max.) 95°F (40°C)

## Installation Considerations

- System is designed to be mounted on the wall. Requires space to service all components.
- 3/4 -inch tap water inlet (30 to 75 psi feed pressure)
- 3/4-inch air gap drain connection
- 1-inch permeate (treated water) connection
- 120-volt power outlet



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