

# PureWaterMachine™

by VERTEX

## The Low Pressure Solution

*The booster pump provides needed pressure.*

### Standard Features

- Auto shut-off valve (conserves water)
- Flow restrictor – modified capillary
- Long reach, non-airgap faucet
- Feed water connector – threaded inlet adapter with metal ballvalve
- Drain clamp
- 1/4 inch flexible polyethylene tubing w/JACO compression fittings
- 2 year limited warranty

Use this system when the water pressure is below 40-psi - common in well water systems. The booster pump provides a pressure of 80psi to the RO membrane to operate the system at peak efficiency. It is placed after the first stage sediment filter to reduce wear from sediment. A pressure switch is located on the line to the storage tank which turns the pump OFF when the tank pressure is 40-psi and ON at 25-psi. The pump motor operates at 24volts D.C. and is supplied with a step-down transformer which plugs into a standard 110-volt outlet (220 volt available).

**Autoflush Option:** Autoflush prolongs the life of the RO membrane, especially in areas with high TDS, sediment load or hardness. When the pump turns on, the valve opens for 20 seconds to flush contaminant build-up from the membrane. RECOMMENDED FOR WATER OVER 500 TDS

### ORDERING INFORMATION

<b>4 stage Reverse Osmosis</b>	PT-4.0/P
<b>Autoflush Option</b>	add /AF
<b>Air Gap Faucet option</b>	add /AG
<b>3/8" Line to Faucet option</b>	add /3/8
<b>Self-Piercing Saddle Valve option</b>	add /SV
<b>Quick Connect Fittings option</b>	add /QC
<b>Metal Tank option</b>	add /MT
<b>Filter Replacement Kit</b>	FK-100



### Gold Seal Certified



### CERTIFIED REDUCED CONTAMINANTS

- Arsenic**
- Barium**
- Cadmium**
- Chromium III & VI**
- Copper**
- Lead**
- Nitrate**
- Nitrite**
- Selenium**
- Radium 226 & 228**
- Fluoride**
- Turbidity**
- Cysts**
- TDS**

Tested for structural integrity, chemical extraction and reduction of contaminants

### STAGE ONE

Sediment Filter, 5-Micron Polyspun Cartridge, 2 1/2" dia. x 9 3/4" long

### STAGE TWO

Activated Carbon Block Filter  
5 Micron, 2 1/2" dia. x 9 3/4" long

### STAGE THREE

Reverse Osmosis Membrane, Filmtec  
36 GPD TFC @ 65 PSI Pressure Differential

### STAGE FOUR

Post-Filter, In-Line, Granular  
Activated Carbon, 2" dia. x 10" long

### BOOSTER PUMP

Flow through diaphragm pump, 24 volt DC  
115 VAC/24 VDC 60 Hz. Boosts system  
pressure to 80 PSI

### TANK

4.0 Gallon Plastic Tank (metal tank available),  
Pre-pressurized with Butyl Bladder (2.5 gal.  
water capacity when full)

**Specifications:** Shipping Weight: 32 lb. Dimension: 15.5" L x 7" W x 18"H, Tank: 11 dia. x 15.5"H

**Conditions of Use:** Water must be microbiologically safe; System pressure, 40 min to 100 max psi; Temperature, 40 to 100° F; PH Range, 3 to 10; Turbidity – less than 1.0 NTU; TDS, 1500 PPM max

Authorized Dealer