

# 1240 Series Reverse Osmosis Drinking Water System



*Great Drinking Water - Just the way it should be!*



## The 1240 Series is a perfect choice for quality drinking



*Our advanced 1240 series reverse osmosis drinking water systems are a natural and economical solution for providing your family with high quality drinking water. With a space-saving ultra slim profile, the system tucks neatly under your kitchen sink providing bottled water quality right from your very own tap.*

*Cut down on sugary beverages and avoid symptoms of mild dehydration such as headaches, dry skin and daytime fatigue. Use for all your cooking needs. Perfect for coffee, tea and soups.*

### **Bottled Water Quality...Convenient & Affordable**

No lugging heavy bottles, no cooler rental, no monthly bill, no hassle. RO water is much more economical than bottled water and better for the environment because there is no bottle waste.\*

Our systems offer a more advanced treatment process than typical entry level pour-through pitchers or faucet filters. At the heart of the system is a reverse osmosis membrane which reduces impurities as small as an atom! Additionally, your water passes through a series of sediment and carbon filters – reducing any unwanted tastes and odors giving your water a polished, fresher taste!

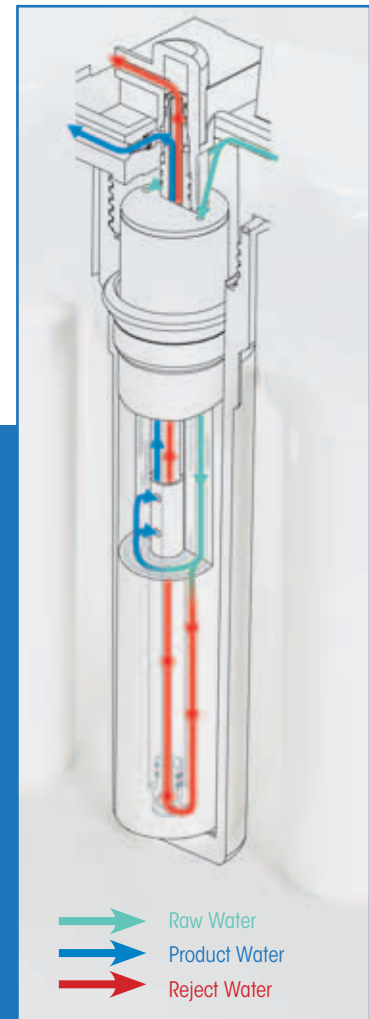
Get back to drinking water the way nature intended it!

\*Costs may vary by market and location.

### **Choose a System Just Right for You**

Hydrotech is one of North America's largest suppliers of water treatment equipment. With over 40 years of experience, Hydrotech has been the leader in reverse osmosis drinking water technology; designing state of the art systems for residential and commercial applications.

We offer a complete range of drinking water systems to fit your needs and your budget.



### All models feature:

- High quality reverse osmosis membrane
- Choice of 50 and 75 gallon per day membrane ratings
- Sediment pre-filtration
- Pre & post carbon block filtration
- Quick connect fittings
- 3/8" tubing and RO ports from RO to tank and faucet for higher flow
- Color coded tubing for ease of installation
- Chrome faucet
- Reliable metal storage tank
- Rugged molded manifold

Space saving design with one-piece molded manifold.

Simple snap fit cover for ease of service.



Attractive, compact design.

## Pro Series

### Premier Push Button Monitored Reverse Osmosis Systems

Our premier model is equipped with our patented Smartap® Push Button Monitor. At the touch of a button you can be assured that you are receiving top quality water or you will be alerted that it is time to change your membrane.

## M Series

### High Quality Four-Stage Reverse Osmosis Systems

No Push Button Monitor, but the same great design as our Pro Series.



## E Series

### Compact Three-Stage Reverse Osmosis Systems

If you're on a budget or have space issues the E Series is the perfect solution. With a combination sediment and carbon pre-filter and a carbon post filter you get great RO water with just 3 cartridges.



## 1240 Series Models and System Configurations\*

| Hydrotech Item # | Model Description | Vessels | Sediment Filter            | Pre-Filter       | Membrane            | Post-Filter      | Rating† GPD | Monitor     | Dimensions H X W X D (in) |
|------------------|-------------------|---------|----------------------------|------------------|---------------------|------------------|-------------|-------------|---------------------------|
| 1240101-00       | 3VTFC25G          | 3       | None                       | Dual-Purpose     | Thin Film Composite | Activated Carbon | 25          | None        | 11 X 15 X 3.75            |
| 1240102-00       | 3VTFC50G          | 3       | None                       | Dual-Purpose     | Thin Film Composite | Activated Carbon | 50          | None        |                           |
| 1240200-00       | 4VTFC09G          | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 9           | None        | 14 X 15 X 3.75            |
| 1240201-00       | 4VTFC25G          | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 25          | None        |                           |
| 1240202-00       | 4VTFC50G          | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 50          | None        |                           |
| 1240203-00       | 4VTFC75G          | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 75          | None        |                           |
| 1240300-00       | 4VTFC09G-PB       | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 9           | Push Button |                           |
| 1240301-00       | 4VTFC25G-PB       | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 25          | Push Button |                           |
| 1240302-00       | 4VTFC50G-PB       | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 50          | Push Button |                           |
| 1240303-00       | 4VTFC75G-PB       | 4       | String Wound Polypropylene | Activated Carbon | Thin Film Composite | Activated Carbon | 75          | Push Button |                           |

† Manufacturer's membrane output specification only with inlet conditions of 372 kPa (60 psig), 25°C (77°F), going to atmosphere.

## Conditions for Use

| Source Water Supply Profile      |                             | Chemical Parameters                               |  | Max mg/L       |
|----------------------------------|-----------------------------|---|--|----------------|
| Community/Private                | Chlorinated/Non-Chlorinated | Hardness (CaCO <sub>3</sub> )                     |  | <170 (<10 gpg) |
| Feed Water Pressure <sup>1</sup> | 242 – 690 kPa (35-100 psig) | Iron (Fe)   |  | <0.1           |
| Temperature                      | 4° – 38°C (40° – 100°F)     | Manganese (Mn)                                    |  | <0.05          |
| pH Range                         | 3.0 – 11.0                  | Hydrogen Sulfide (H <sub>2</sub> S)               |  | 0.00           |
| Maximum TDS Level                | 2000 mg/L                   | Residual Chlorine (Cl <sub>2</sub> )              |  | <2.0           |
| Turbidity**                      | <1.0 NTU                    | **Nephelometric Turbidity Unit                    |  |                |
| Maximum SDI***                   | <4.0                        | ***Silt Density Index: Value stated in SDI units. |  |                |

**OPTIONS:** Optional pressure tanks and faucet styles and colors available.

This product is manufactured under one or more of the following U.S. patents: 5,045,197; 5,057,212; 5,221,473

**NOTES:** <sup>1</sup>Pressure Regulator is recommended for feed water pressures exceeding 552 kPa (80 psig). The performance of a reverse osmosis membrane is highly dependent upon pressure, temperature and TDS. The actual volume of product water and rejection percentage will vary with differences from the test conditions that membrane ratings are based upon. These drinking water systems are not intended to be used for the treatment of water that is microbiologically unsafe or of unknown quality. Storage tank capacity is dependent on pressure. Example: with a 5 psi precharge, the drawdown volume is 3.2 gal at 60 psi, 2.8 gal at 40 psi for the storage tank shown.

## Booster Pump

Raises the water pressure and maintains it at the ideal level for the system to operate at maximum efficiency. Recommended for use on supplies with low pressure or high concentrations of total dissolved solids (TDS). The pump is self-priming and whisper-quiet. It runs on a 24VAC transformer (included) from a standard 120VAC electrical outlet.

System includes: Flexible mounting plate, quick connect fittings and a pressure shut-off switch.



**Item #:** 92325

**Model:** RO Booster with Pressure Switch and Transformer for 9 to 75 Gallon Membrane Rated Systems



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