

# Water the way you knew it could be.

Clean. Delicious. Quality Controlled in your home.

REVERSE OSMOSIS  
DRINKING WATER SYSTEMS



**Hydrotech**   
Your clear choice in water treatment.



Models 4VTFC75G-PB  
4VTFC50G-PB  
4VTFC25G-PB  
4VTFC9G-PB



## 123 Series

### Premier Push Button Monitored Reverse Osmosis Systems

The 4VTFC75G-PB, 4VTFC50G-PB, 4VTFC25G-PB and 4VTFC9G-PB *Hydrotech*<sup>®</sup> Reverse Osmosis Drinking Water Systems combine mechanical filtration with reverse osmosis technology for effective water treatment in point-of-use applications. These models are equipped with the patented Smartap<sup>®</sup> Push Button Monitor, which compares the feed water to the product water to determine water quality performance. The Smartap<sup>®</sup> Push Button Monitor is activated at the touch of the button. In addition, these models include standard features such as a Thin Film Composite membrane, sediment filter, pre-activated carbon filter, post carbon filter, automatic shutoff, chrome-plated air gap faucet and a metal storage tank.



With the quality of our drinking water increasingly coming into question, people are now looking for alternative sources of quality water. *Hydrotech*<sup>®</sup> Reverse Osmosis Drinking Water Systems provide the most convenient and economical solution. Neatly stored under the counter, *Hydrotech*<sup>®</sup> provides you with clean and delicious water right from its own dedicated tap.

All *Hydrotech*<sup>®</sup> Reverse Osmosis Systems include 3/8" outlet tubing to the faucet for higher flows, quick connect fittings and color-coded tubing for easy installation and servicing. All systems are backed by a two-year limited warranty. The Smartap<sup>®</sup> water quality monitor found on the Push Button designated model is backed by a five-year limited warranty.

#### **About *Hydrotech***

*Hydrotech* is one of North America's largest suppliers of water treatment equipment. For more than two decades, *Hydrotech* has been the leader in reverse osmosis water treatment technology, designing and manufacturing state-of-the-art systems for residential and commercial applications.

# Bottled water quality . . . convenient and at a fraction of the cost

Models 4VTFC75G  
4VTFC50G  
4VTFC25G  
4VTFC9G



Model 3VTFC50G



## 123 Series

### High Quality Four-Stage Reverse Osmosis Systems

The 4VTFC75G, 4VTFC50G, 4VTFC25G and 4VTFC9G *Hydrotech*® Reverse Osmosis Drinking Water Systems combine mechanical filtration with reverse osmosis technology for effective water treatment in point-of-use applications. In addition, these models include standard features such as a Thin Film Composite membrane, sediment filter, pre-activated carbon filter, post carbon filter, automatic shutoff, chrome-plated air gap faucet and a metal storage tank.

## 123 Series

### Compact Three-Stage Reverse Osmosis Systems

The 3VTFC50G *Hydrotech*® Reverse Osmosis Drinking Water System provides good, clean water for those who have limited space. This dual purpose pre-filter results in a smaller width, perfect for those tight installations or narrow enough to fit behind a water cooler. The system combines mechanical filtration with reverse osmosis technology for effective water treatment in point-of-use applications. This model also features a Thin Film Composite membrane, a dual purpose sediment and activated carbon pre-filter, post carbon filter, automatic shutoff, chrome-plated non-air gap faucet and a metal storage tank.

## 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 rural 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.

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



## 123 Series Models and System Configurations

Hydrotech Item #	Model Description	Vessels	Sediment Filter	Pre-Filter	Membrane	Post-Filter	Output* GPD	Monitor
12301001-01	3VTFC50G	3	None	Dual-Purpose	Thin Film Composite	Activated Carbon	50	None
12302000-01	4VTFC9G	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	9	None
12302001-01	4VTFC25G	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	25	None
12302002-01	4VTFC50G	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	50	None
12302003-01	4VTFC75G	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	75	None
12303000-01	4VTFC9G-PB	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	9	Push Button
12303001-01	4VTFC25G-PB	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	25	Push Button
12303002-01	4VTFC50G-PB	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	50	Push Button
12303003-01	4VTFC75G-PB	4	String Wound Polypropylene	Activated Carbon	Thin Film Composite	Activated Carbon	75	Push Button

## Conditions for Use

Source Water Supply Profile		Chemical Parameters	Max mg/L
Community/Private	Chlorinated/Non-Chlorinated	Hardness (CaCO <sub>3</sub> )	<350 (< 20 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.	

**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.

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

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

**Smartap® U.S. patents:** 5,145,575; 5,435,909; 5,580,444; 5,527,450

**WaterGroup Inc.**  
Fridley, Minnesota  
Sun Valley, California  
1-800-354-7867

**WaterGroup Companies Inc.**  
Cambridge, Ontario  
Regina, Saskatchewan  
1-877-299-5999



[www.hydratechwater.com](http://www.hydratechwater.com)

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