

HIGH QUALITY, GREAT TASTING DRINKING WATER AT A FRACTION OF THE COST OF BOTTLE WATER!

Clean. Delicious. Quality controlled in your home.



REVERSE OSMOSIS
DRINKING WATER SYSTEMS



With the quality of our drinking water increasingly coming under question, people are now looking for alternative sources of quality water. Reverse Osmosis Drinking Water Systems provide the most convenient and economical solution. Neatly stored under the counter or in your basement, the Reverse Osmosis Drinking Water System provides you with clean and delicious water right from its own dedicated tap. The system can also be hooked up to your refrigerator for clean and delicious ice cubes.

All models include: 3/8" outlet tubing for higher flows, thin film composite (TFC) membranes, quick connect fittings for easy installation and servicing, heavy duty powder coated bracket, stainless steel product water check valve, automatic shut-off valve, 4.0 U.S. gallon (15 litre) storage tank.

Model E75TFC-3SF features:

- Reverse osmosis membrane, nominally rated at 75 U.S. gallons per day¹.
- Pre-filters: 10" five (5) micron Sediment Cartridge and 10" Activated Carbon Cartridge.
- Post filter: 10" Activated Carbon Cartridge.
- Non air gap faucet.

Model E50TFC-3SF features:

- Reverse osmosis membrane, nominally rated at 50 U.S. gallons per day¹.
- Pre-filters: 10" five (5) micron Sediment Cartridge and 10" Activated Carbon Cartridge.
- Post filter: 10" Activated Carbon Cartridge.
- Non air gap faucet.

1. Nominal product water ratings are based on the following conditions: Supply TDS of 250 ppm softened tap water, 50 psi (0.36 Mpa), 77oF (25oC), pH 8 and 15% recovery with outlet to atmosphere.

 **Johnson**
Water Conditioning Co.

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Reverse Osmosis Components:

Reverse Osmosis Membrane - Allows water molecules to pass while dissolved impurities are flushed to the drain.

Five Micron Pre-Filter - Removes tiny particles of suspended dirt and sediment.

Activated Carbon Pre-Filter - Protects TFC membrane from chlorine and removes organics.

Activated Carbon Post Filter - Removes tastes and odors to give water a final "polish" prior to delivery.

Pressurized Storage Tank - Holds purified drinking and cooking water ready for use.

Chrome Plated Faucet - Mounts attractively on sink or counter to deliver pure water at the touch of a lever. Multiple faucet colors and options are available.

Optional Delivery Pump - Raises and maintains product water pressure to your faucet and refrigerator.

Conditions for Use:

Source Water Supply Profile		Chemical Parameters	Max mg/L
Community/Private	Chlorinated/Non-Chlorinated	Hardness (CaCO ₃)	< 10 gpg
Feed Water Pressure ¹	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 ₂ S)	0.00
Maximum TDS Level	2000 mg/L	Residual Chlorine (Cl ₂)	<2.0
Turbidity**	< 1.0 NTU	**Nephelometric Turbidity Unit	
Maximum SDI***	< 4.0	***Silt Density Index: Value stated in SDI units.	

Specifications:

Hydrotech Item #	Model Description	Stages	Sediment Filter	Pre-Filter	Membrane	Post-Filter	Output GPD ⁽¹⁾	Rejection % ⁽²⁾	Storage Tank US Gallons ⁽³⁾
2872	E50TFC-3SF	4	Spun Polypropylene	Activated Carbon	TFC	Activated Carbon	50	up to	4.0
2873	E75TFC-3SF	4	Spun Polypropylene	Activated Carbon	TFC	Activated Carbon	75	99%	4.0

Schedule Maintenance:

Johnson Water Conditioning will regularly send you reminders for filter replacement.

1.Nominal product water ratings are based on the following conditions: Supply TDS of 250 ppm softened tap water, 50 psi (0.36 Mpa), 77°F (25°C), pH 8 and 15% recovery with outlet to atmosphere.

2.Rejection percentages are dependent on the supply conditions and the substance being measured.

3.Storage tank capacity is dependent upon pressure. For example, with a 5 psi precharge, the drawdown volume is 3.2 gallons at 60 psi; 2.8 gallons at 40 psi.

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.



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