

# Reverse Osmosis Filtration Systems

## TWT-6S-RO50 – 6 Stage RO 50 GPD

### Description:

This residential Reverse Osmosis System is installed at the point of use (e.g. under the sink) and produces up to 50 gallons of purified water per day. It removes substantial amounts of most inorganic chemicals (such as salts, minerals, metals) and most (but not all) organic chemicals. The high quality membrane rejects successfully salts, sugars, proteins, particles, dyes, heavy metals, chlorine and related by-products as well as other contaminants that have a molecular weight greater than 150-250 daltons. Dissolved ions that carry a charge, such as salts, are more likely to be rejected than uncharged ions, such as organics.

Bacteria and viruses and other microorganisms are killed by a powerful UV disinfection that will inactivate the pathogens at 99.99% inactivation rate.

The system comes with 3 levels of pre-filtration, a 50 GPD Filmtec membrane, a post-carbon filter and a metal holding tank. Mounting hardware, a long reach faucet and saddle valves for easy installation are supplied with the system.

Optional stages are also available, such as calcite filter for re-mineralization, or electronic de-scaling.

### Specifications:

Capacity 50 GPD, Tank Capacity 4 gal. Recovery 20-25%, Rejections 90% min Filtration:

- 5 M Sediment (Part # 14-WFS10-5SP)
- GAC Carbon (Part # 14-WFC10-GAC)
- Carbon Block (Part # 14-WFC10-5CB)
- Post Carbon (Part # 14-WROPC-GAC-1)
- Membrane Filmtec (Part # 14-WROM-50GPD)

### Source Water Requirements:

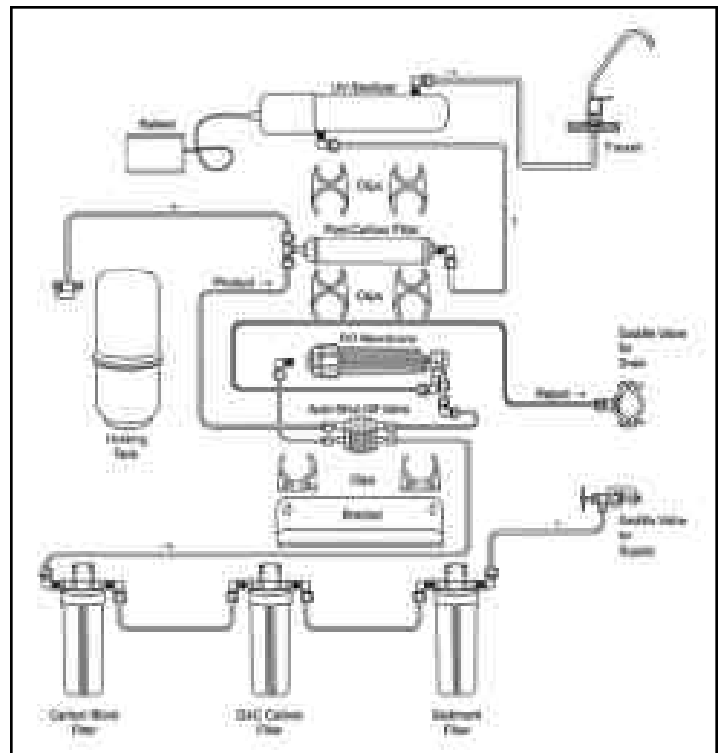
Hardness < 1 gpg Free chlorine 0 ppm TDS < 1,000 ppm  
pH 3 - 11 Iron < 0.01 ppm Manganese < 0.05 ppm  
Turbidity < 1 NTU Temperature 4 °C (40 °F) - 27 °C  
(80 °F) Pressure 40 - 100 psi (2.8 - 5.6 bar)

### Features:

- Metal Storage Tank • Filmtec RO Membrane
- Long Reach Chrome Faucet • Quick Connect Fittings
- Powerful UV Disinfection

RO systems listed above are shipped to customers with easy to follow application, installation and maintenance manuals.

TWT, Inc. recommends that an extra set of replacement membrane and cartridge filters be purchased with each system to ensure uninterrupted service and treatment.



TWT® has the versatile, efficient, cost-effective methods to solve your water/fluid management problems end to end.

*TWT® The Ultimate in Water Treatment & Conditioning*

**TWT® “The Competitive Edge”**

**Go Green-Save Green**

