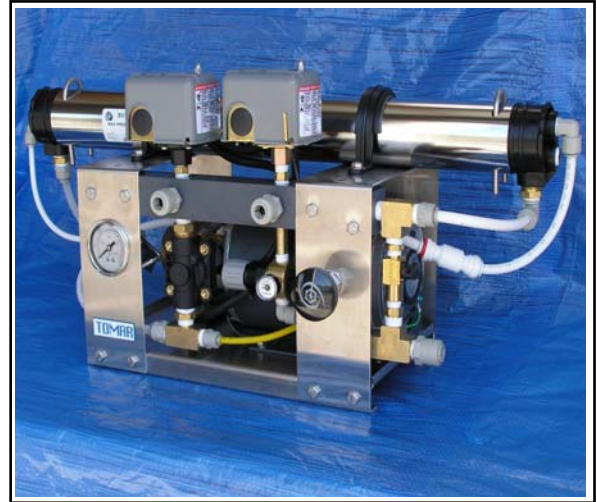


### QUALITY COMMERCIAL R.O.

Tomar's TSM series of commercial Reverse Osmosis water purifiers are the result of 20 years experience with the needs and requirements of commercial pure water users. This includes restaurants, coffee stores, convenience stores, micro breweries, supermarket produce and food preparation operations, misting and humidification systems, car wash facilities, and many other businesses that must have consistent high quality water for their daily operations. The key factors of reliability, servicability, and consistent performance with minimum user intervention are achieved in the solid design of the TSM systems. Stainless steel is used throughout; in frame, pressure vessels and fastening hardware to provide the structural strength and corrosion resistance appropriate for a commercial appliance.



TSM-400

The TSM system design is optimized for either shelf mount or wall mount installation. The three models; 400 GPD, 800 GPD and 1200 GPD all occupy the same very compact footprint. This allows flexibility in accommodating the limited space available in most commercial utility equipment locations. Quick connect tube fittings on all system ports further simplifies installation and service. Most important, all TSM models incorporate the most reliable combination of proven reverse osmosis hydraulic design and state of the art Thin Film membrane elements to provide the long term performance expected by commercial users.

### FEATURES



TSM-800

All Tomar TSM Reverse Osmosis systems include the following important quality features.

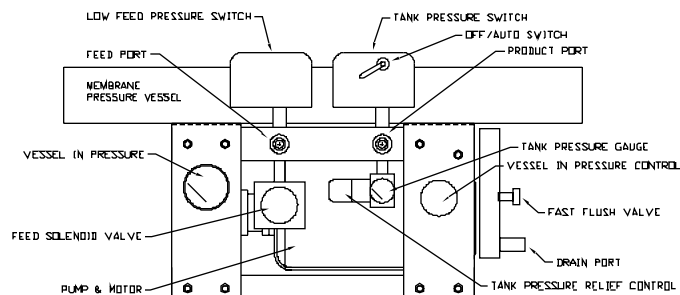
- **Stainless Steel Frame & Pressure Vessels**
- **Thin Film Composite Membranes**
- **GE High Performance 3/4 HP Motors**
- **Positive Displacement Rotary Vane Pump**
- **Integral Hydraulic Manifold Assembly**
- **Fast Flush Control**
- **Low Feed Pressure Cutout Switch**
- **Tank Pressure Control Switch**
- **Delrin Orifice or Teflon Tube Flow Control**
- **Feed Inlet Solenoid Valve**
- **SS Needle Valve Pressure Control**
- **Product Tank Pressure Relief Valve**
- **All Systems Factory Wet Tested**

### SPECIFICATIONS

	TSM-400	TSM-800	TSM-1200
<b>Frame</b>	Stainless Steel, No. 4 Finish		
<b>Membranes</b>	1 Ea. 2521 Thin Film Composite XLE	1 Ea. 4021 Thin Film Composite TW	1 ea. 4021 Thin Film Composite XLE
<b>Vessels</b>	2521 316 SS U-Pin	4021 316 SS U-Pin	
<b>Pump</b>	Brass Positive Displacement (SS option)		
<b>Gauges</b>	Pressure Vessel Inlet, SS case, bronze internals, glycerine filled and Tank Pressure		
<b>Valves</b>	Pressure Vessel Control Valve, Membrane Flush Valve, Feed Water Solenoid Valve, Product Water Check Valve, & Tank Pressure Relief Valve		
<b>Switches</b>	Low Feed Pressure Cutout & Tank Pressure Cutout with Auto/Off Lever		
<b>Electrical</b>	110/220V 60Hz 1-phase, Max. Current 10.4A @120V, 5.2A @220V		
<b>Motor</b>	GE 3/4 HP, 1725 RPM, Drip Proof, Thermally Protected		
<b>Connections Feed/Drain/Product</b>	1/2" Quick Connect Fittings		
<b>Capacity*</b>	0.3 GPM, 400 GPD (1.5 m3/day)	0.6 GPM, 800 GPD (3 m3/day)	0.8 GPM, 1200 GPD
<b>Nominal/Max. Operating Pressure</b>	150/200 psi (10.3/13.8 bar)		
<b>Recovery</b>	33 to 50%		
<b>Typical Rejection</b>	98%		
<b>Max Feed TDS</b>	2500 ppm		
<b>Max. Feed Temp.</b>	113F/45C		
<b>Feed pH Range</b>	2-11		
<b>Max. Chlorine**</b>	<0.1 ppm		
<b>Footprint</b>	14"W x 8"D (35.6 x 20.3 cm)		
<b>Overall Dimensions</b>	28"W x 8"D x 12"H (71.1 x 20.3 x 30.5 cm)	30"W x 8"D x 14"H (76.2 x 20.3 x 35.6 cm)	
<b>Weight (Dry)</b>	45 lbs. (20.5 kg)	50 lbs. (22.7 kg)	

\* Product flow rates based on flow to atmosphere. When using a bladder pressure tank, product flow rate will reduce as tank back pressure increases.

\*\* Feed water containing chlorine must be dechlorinated by carbon pre-filtration or other means.



### OPTIONS

Product Storage Tanks • Atmospheric Tank Level Controls • Repressurization system • Automatic Flush • Pre/Post Filters and Treatment • Wall Mounting Brackets • Stainless Steel Pumps • UV Treatment