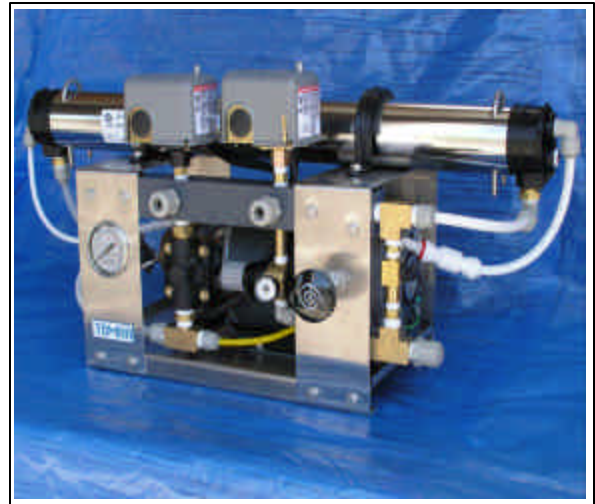


QUALITY COMMERCIAL R.O.

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.

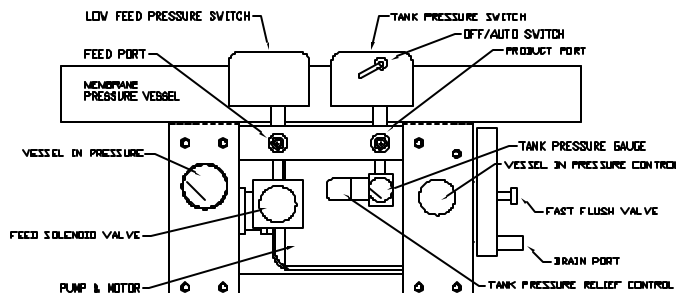
- **Stainless Steel Frame & Pressure Vessels**
- **Thin Film Composite Membranes**
- **GE High Performance 3/4 HP Motors**
- **Positive Displacement Rotary Vane Pump**
- **Integral Hydraulic Manifold Assembly**
- **Fast Flush Control**
- **Low Feed Pressure Cutout Switch**
- **Tank Pressure Control Switch**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

