



Features

Tomar TP Series industrial reverse osmosis systems are designed to deliver 24,000 to 300,000 GPD (16-208 gpm).



100,000 GPD System

- ABS control panel, NEMA 4X electrical enclosure, UL/CSA
- Microprocessor control: pre-treat lockout, low feed pressure, product tank full, high TDS
- Microprocessor monitoring: product TDS
- System status and warning lights
- Gauges: Vessel array in/out and filter in/out. SS gauges with bronze internals, glycerin filled and mounted on front panel
- Valves: 316SS brine and recirculation valves, globe-type, mounted in the last vessel brine line
- Prefilter: PP or SS bag or multi-cartridge depending on system size
- Pump: 316SS main pump wetted parts
- Frame: Powder coated steel construction on levelers
- Schedule 80 PVC plumbing
- Flow monitoring for product, brine and recirculation

System Options

- Feed pH, TDS and temperature monitoring
- Pump: high pressure for TDS feed streams >5000 ppm
- Gauges: 316SS case and internals, glycerine-filled
- Flushing systems: high flow feed water or product water replacement of brine
- Blending system: filtered feed water into product stream
- Filters: SS (304 or 316) feed water filter housing for bags or multiple 5-30 micron, 2.5" cartridges
- Frame casters

Support Options



260,000 GPD System

- Pre treatment
 - Chemical injection for chlorine removal, antiscalant, coagulant
 - UV sterilization
 - GACF auto-backwash filtration
 - Cartridge or bag filtration
 - Softener
 - Clarifier or centrifuge separators
- Buffer tank
- ORP meter for chlorine monitoring
- Boost pump
- Post treatment
 - Chemical injection for chlorine
 - UV sterilization
 - GAC auto-backwash filtration
 - Cartridge or bag filtration
 - pH control
- Product storage: atmospheric or pressure
- Pressurizer systems



Performance Specifications

Product Rate	16 to 208 gpm
Rejection	95-98%
Recovery (without recycle)	50-80%
Design Temperature	68°F (20°C)

System Specifications

Membrane Type	Thin-film, spiral wound, low energy
Number of Membranes	4-40
Membrane element size	8" x 40"
Array	2x0 to 5x3x2
Number of pressure vessels	2-10 rated at 300 psi
Elements per vessel	2-4
Size of pressure vessels	8"ID x 98.5 to 218.5"
Pump	Grundfos CRN (316SS), vertical victaulic or flange type inlet/outlet
Motor	7.5 to 30HP, TEFC
Electrical	High/low voltage, 50/60Hz, 3-phase
Overall Dimensions	110" to 230" L x 36" to 56"D x 65"H
Weight	1200 to 3500 lbs

Design Basis

Water pressure	Minimum 30 psi
TDS	5,000 ppm max
Temperature range	±10°F design temperature
Chlorine level	0 ppm
Turbidity	<1 NTU
SDI	3 max
Capacity basis	24 hours/day

