

TQ SERIES REVERSE OSMOSIS WATER SYSTEMS

TQ172 • TQ173 • TQ174 • TQ176

Kinetico's TQ Series Reverse Osmosis Systems are ideal when high quality water is in need, space is at a premium and you need to conserve water.

How are the TQ Series Reverse Osmosis Systems different?

- **Advanced Filtration.** Delivers high quality pure water to your application by removing total dissolved solids (TDS).
- **Non-Electric Shut Off.** Works automatically through water pressure signals. Since the system does not produce water unnecessarily, water is conserved.
- **Capacity Range.** 150 to 450 gallons per day of high quality water.
- **Efficient Water Production.** Designed to maximize water conservation.
- **Space-Saving Design.** Requires minimal floor space.
- **Expandable system.** Add membrane modules to increase production up to 450 gallons per day.
- **EverClean® Rinse.** Cleans the system's membrane with high quality permeate water upon shutdown to protect water quality and prolong the membrane's life.
- **Optional Accessories:**
 - **Carbon Filtration** provides chlorine removal for extended membrane life and improved product water quality.
 - **Filtration** improves feed water quality by removing excessive solids.
 - **Softening** increases reverse osmosis performance by removing hardness fouling, extending membrane life and improving water quality.
 - **Storage and Repressurization** systems provide a constant supply and pressure of high quality water.
 - **Booster Pump** can be added to standards models.



Over 40 Years
Experience



Advanced Filtration



Non-Electric
Shut Off



Capacity Range



Efficient Water
Production



Space-Saving
Design



Expandable System



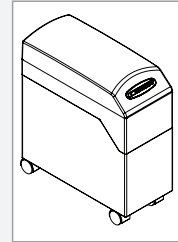
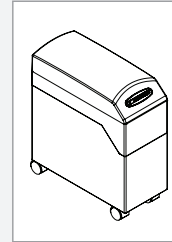
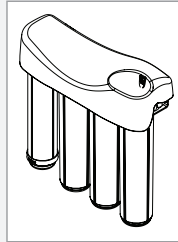
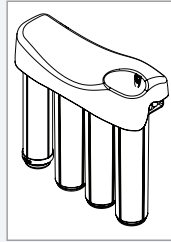
EverClean® Rinse



Optional
Accessories

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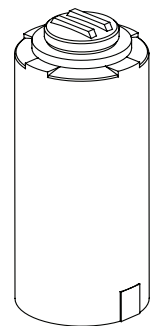
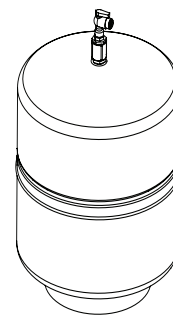
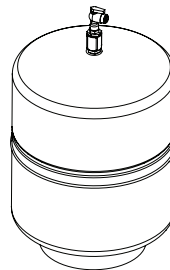
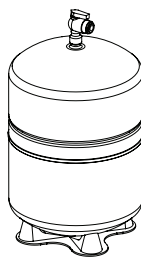
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Specifications	TQ 172	TQ 173	TQ 174	TQ 176
System Size (w x d x h) in	18 x 6 x 18	18 x 6 x 18	8.5 x 18.75 x 20.5	8.5 x 18.75 x 20.5
System Size (w x d x h) cm	71 x 2.4 x 71	71 x 2.4 x 71	3.3 x 7.4 x 8.1	3.3 x 7.4 x 8.1
Membrane Type	Thin Film Composite	Thin Film Composite	Thin Film Composite	Thin Film Composite
EverClean [®] Rinse	Yes	Yes	Yes	Yes
Power (voltage/hz)	None	None	120/60 or 220/50	120/60 or 220/50
Feed Pressure (psi/bar)	40-100 / 2.75-6.9	40-100 / 2.75-6.9	20-80 / 1.4-5.5	20-80 / 1.4-5.5
Operating Temperature (°F/°C)	40-95 / 4-35	40-95 / 4-35	40-95 / 4-35	40-95 / 4-35
Inlet Flow Rate (gpm/Lpm)*	0.2/0.75	0.3/1.1	0.42/1.6	0.02/2.3
Permeate Flow Rate (gpm/Lpm)*	0.1/0.38	0.15-0.57	0.21/0.8	0.31/1.2
Reject Flow Rate (gpm/Lpm)*	0.1/0.38	0.1/0.38	0.21/0.8	0.31/1.2
Rejection Rate - CaCO ₃ /NaCl	>95%	>95%	>95%	>95%
Daily Production (gpd/Lpd)*	150/568	225/852	301/1136	450/1704
TDS (Max) as NaCl mg/L	2500	2500	2500	2500

*Based on 77°F (25°C), 500 TDS feed, permeate to atmospheric tank, 50 psi (3.45 bar) inlet pressure

Storage Tank Options



Tank Description	3 gallon	10 gallon	80 gallon	300 gallon
Tank Height	18"	24"	58"	80"
Tank Footprint	12" DIA	16" DIA	24" DIA	35" DIA
Material	Lined Steel	Lined Steel	Lined Steel	HDPE