

S SERIES REVERSE OSMOSIS WATER SYSTEMS

S710 • S1400 • S2500

The S-Series is designed for commercial use and features proprietary controller technology for improved flexibility and ease of use when reverse osmosis water is needed for recipe quality food and beverage applications. The S-Series is sized for medium to high volume usage and works best paired with bladder storage tanks.

The S-Series is part of the Kinetico Commercial Reverse Osmosis portfolio of products.

- **Advanced System Control.** Integrated system controller monitors pressure, TDS and maintenance schedules. Includes diagnostics and USB data connectivity.
- **Advanced Filtration.** Delivers high quality pure water to your application by removing dissolved solids (TDS).
- **Efficient Water Production.** Designed to maximize water conservation.
- **Capacity Range.** 710-2500 gpd range is ideal for food and beverage applications.
- **Quiet Operation.** Stainless steel pump and TEFC motor are sized for quiet operation.
- **Space-Saving Design.** Requires minimal floor space. Mount on shelf or rack.
- **Blending System.** Allows for precise blending of filtered water with reverse osmosis product water to achieve desired TDS profile.
- **System Flush Mode.** Controller flushes system with pre-filtered water at shutdown and startup to improve TDS meter accuracy.
- **Optional Accessories:**
 - **Carbon Filtration** provides chlorine removal for extended membrane life and improved product water quality.
 - **Filtration** improves feed water quality by removing excessive suspended solids.
 - **Softening** increases reverse osmosis performance by eliminating hardness fouling, extending membrane life and improving water quality.
 - **Storage** systems provide a constant supply and pressure of high quality water.



Over 40 Years
Experience



Advanced Filtration



Advanced System
Control



Capacity Range



Efficient Water
Production



Product Water
Blending



Quiet Operation



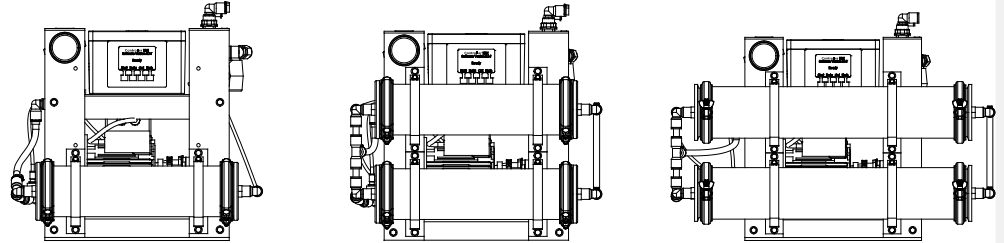
Space-Saving
Design



Optional
Accessories

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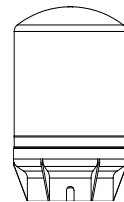
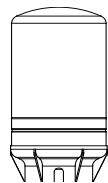
Specifications	S710		S1400		S2500	
Part Number	16881	16881AS [†]	16882	16882AS [†]	16883	16883AS [†]
System Size (w x d x h) in	21 x 14 x 19.5		21 x 14 x 19.5		28 x 14 x 19.5	
System Size (w x d x h) cm	53 x 35 x 50		53 x 35 x 50		71 x 35 x 50	
Membrane Type	TF Low Energy		TF Low Energy		TF Low Energy	
Efficiency Rate	75%	65%	75%	65%	75%	65%
System Flush	Standard		Standard		Standard	
Power (Voltage, Hz)	115, 50/60		115, 50/60		115, 50/60	
Feed Pressure (psi/bar)	45 - 75 / 3.1 - 5.2		45 - 75 / 3.1 - 5.2		45 - 75 / 3.1 - 5.2	
Operating Temperature (°F/°C)	36 - 104 / 2.2 - 40		36 - 104 / 2.2 - 40		36 - 104 / 2.2 - 40	
Inlet Flow Rate (gpm/Lpm)*	0.65 / 2.46		1.29 / 4.88		2.32 / 8.78	
Permeate Flow Rate (gpm/Lpm)*	0.49 / 1.85		0.97 / 3.67		1.74 / 6.99	
Reject Flow Rate (gpm/Lpm)*	0.16 / 0.61		0.32 / 1.21		0.98 / 2.20	
Rejection Rate - NaCl**	96%		96%		96%	
Daily Production (gpd/Lpd)*	710 / 2,688		1,400 / 5,300		2,500 / 9,464	
TDS (Max) as NaCl mg/L	2,500		2,500		2,500	

* Based on 77°F (25°C), 500 ppm TDS softened feed, permeate to atmospheric tank, 50 psi (3.45 bar) inlet pressure at 60 Hz.

** With blending valve closed.

† Note: The S-Series systems achieve highest efficiency with softener pretreatment or low hardness. For applications where softener pretreatment is unavailable, choose the S-Series systems with the AS suffix. These systems have a lower efficiency rate and require a filtration array with an antiscalant cartridge.

Storage Tank Options



Model	S700	S1400, S2500	S1400, S2500	S2500
Tank Type	Bladder	Bladder	Bladder	Atmospheric
Tank Description	20 gallon	40 gallon	80 gallon	300 gallon
Tank Height	33	36	47	80"
Tank Diameter	15	22	26	35" DIA
Material	Lined Steel	Lined Steel	Lined Steel	HDPE