

NSC SERIES REVERSE OSMOSIS WATER SYSTEMS

NSC-120 • NSC-250

The NSC-Series reverse osmosis systems are ideal for low to medium volume applications where space is at a premium. The proprietary, encapsulated cartridges provide for easy, sanitary filter changes. An integrated blending valve and a TDS meter allow for precise TDS water profiles.

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

- **Advanced Filtration.** Delivers high quality pure water to your application by removing dissolved solids (TDS).
- **Capacity Range.** 120 to 250 gallons per day of high quality water.
- **Efficient Water Production.** Designed to maximize water conservation.
- **Sized for Small Restaurants, Coffee Shops & Kiosks.** Ideal gpd range for low to medium volume uses.
- **Bladder Tank Efficiency.** Connect to a product water bladder tank for purified water delivery to downstream equipment.
- **Space-Saving Design.** Wall mount or place on cabinet deck.
- **Blending System.** Allows for precise blending of filtered water with reverse osmosis product water to achieve desired TDS profile.
- **Optional Accessories:**
 - **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



Capacity Range



Efficient Water
Production



Product Water
Blending



Quiet Operation



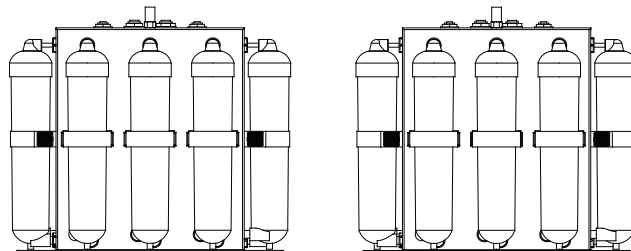
Space-Saving
Design



Optional
Accessories

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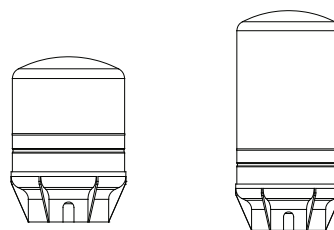


Specifications	NSC120	NSC250
Part Number	16876	16877
System Size (w x d x h) in	21 x 14 x 19.5	21 x 14 x 19.5
System Size (w x d x h) cm	53 x 35 x 50	53 x 35 x 50
Membrane Cartridges	(1) TF Low Energy	(2) TF Low Energy
Pretreatment	Option	(1) Anti-scalant Media Cartridge
Prefiltration	(2) Sediment/GAC Cartridges	(2) Sediment/GAC Cartridges
Postfiltration	(2) GAC Cartridges	option
Power (Voltage, Hz)	115, 50/60	115, 50/60
Feed Pressure (psi/bar)	40 - 80 / 3.1 - 5.2	40 - 80 / 3.1 - 5.2
Operating Temperature (°F/°C)	40 - 100 / 4.4 - 37.8	40 - 100 / 4.4 - 37.8
Permeate Flow Rate (gpm/Lpm)*	0.08 / 0.30	0.17 / 0.64
Rejection Rate - NaCl**	96%	96%
Daily Production (gpd/Lpd)*	120 / 454	250 / 946
TDS (Max) as NaCl mg/L	2,500	2,500

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

** With blending valve closed

Storage Tank Options



Model	NSC120, NSC250	NSC120, NSC250
Tank Type	Bladder	Bladder
Tank Description	14 gallon	20 gallon
Tank Height in/cm	15 / 38.1	15 / 38.1
Tank Diameter in/cm	23 / 58.4	33 / 83.8
Material	Lined Steel	Lined Steel