



4 GPM RO
Point-of-Entry



50 GPD Sea-Water RO



50 Gallons per day RO with UV
Point-of-Use

Reverse Osmosis Systems
Residential and Commercial Applications
Models with and without Booster Pump
High Quality TFC Membranes
Complete Systems for Residential and Commercial
Desalination Applications





5 Stage RO

Residential Drinking Water System

Description

This residential Reverse Osmosis System is installed at the point of use (e.g. under the sink) and produces up to 50 gallons of purified water per day. It removes substantial amounts of most inorganic chemicals (such as salts, minerals, metals) and most (but not all) organic chemicals. The high quality membrane rejects successfully salts, sugars, proteins, particles, dyes, heavy metals, chlorine and related by-products as well as other contaminants that have a molecular weight greater than 150-250 daltons. Dissolved ions that carry a charge, such as salts, are more likely to be rejected than uncharged ions, such as organics.

The system comes with 3 levels of pre-filtration, a 50 GPD Filmtec membrane, a post-carbon filter and a metal holding tank. Mounting hardware, a long reach faucet and saddle valves for easy installation are supplied with the system.

Optional stages are also available, such as UV-Disinfection, calcite filter for re-mineralization, or electronic de-scaling.

Specifications

Capacity 50 GPD, Tank Capacity 4 gal.
 Recovery 20-25%, Rejections 90% min
 Filtration:

- 5 M Sediment (Part # 14-WFS10-5SP)
- GAC Carbon (Part # 14-WFC10-GAC)
- Carbon Block (Part # 14-WFC10-5CB)
- Post Carbon (Part # 14-WROPC-GAC-1)
- Membrane Filmtec (Part # 14-WROM-50GP)

Source Water Requirements:

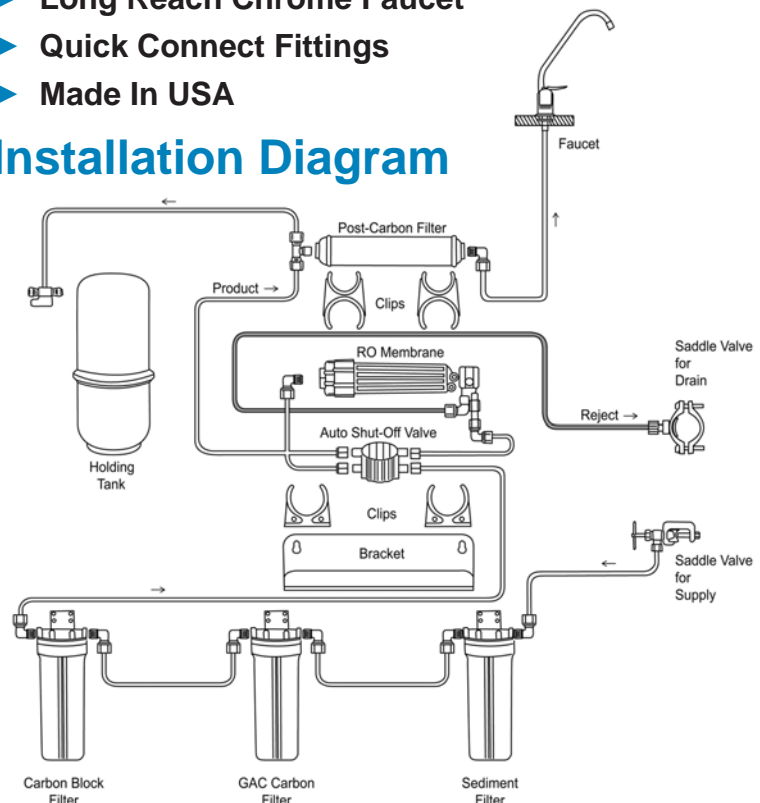
- Hardness < 1 gpg
- Free chlorine 0 ppm
- TDS < 1,000 ppm
- pH 3 - 11
- Iron < 0.01 ppm
- Manganese < 0.05 ppm
- Turbidity < 1 NTU
- Temperature 4 °C (40 °F) - 27 °C (80 °F)
- Pressure 40 - 100 psi (2.8 - 5.6 bar)



Features

- ▶ Metal Storage Tank
- ▶ Filmtec RO Membrane
- ▶ Long Reach Chrome Faucet
- ▶ Quick Connect Fittings
- ▶ Made In USA

Installation Diagram





6 Stage RO

Residential Drinking Water System

Description

This residential Reverse Osmosis System is installed at the point of use (e.g. under the sink) and produces up to 50 gallons of purified water per day. It removes substantial amounts of most inorganic chemicals (such as salts, minerals, metals) and most (but not all) organic chemicals. The high quality membrane rejects successfully salts, sugars, proteins, particles, dyes, heavy metals, chlorine and related by-products as well as other contaminants that have a molecular weight greater than 150-250 daltons. Dissolved ions that carry a charge, such as salts, are more likely to be rejected than uncharged ions, such as organics.

Bacteria and viruses and other microorganisms are killed by a powerful UV disinfection that will inactivate the pathogens at 99.99% inactivation rate.

The system comes with 3 levels of pre-filtration, a 50 GPD Filmtec membrane, a post-carbon filter and a metal holding tank. Mounting hardware, a long reach faucet and saddle valves for easy installation are supplied with the system.

Specifications

Capacity 50 GPD, Tank Capacity 4 gal.
 Recovery 20-25%, Rejections 90% min
 Filtration:

- 5 M Sediment (Part # 14-WFS10-5SP)
- GAC Carbon (Part # 14-WFC10-GAC)
- Carbon Block (Part # 14-WFC10-5CB)
- Post Carbon (Part # 14-WROPC-GAC-1)
- Membrane Filmtec (Part # 14-WROM-50GPD)
- Electrical: 130 V 60 Hz
- UV Chamber 304 Stainless Steel

Source Water Requirements:

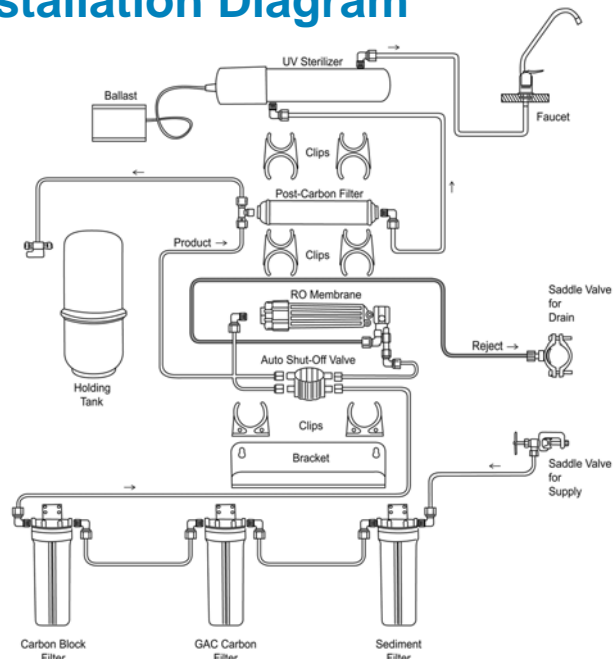
- Hardness < 1 gpg
- Free chlorine 0 ppm
- TDS < 1,000 ppm
- pH 3 - 11
- Iron < 0.01 ppm
- Manganese < 0.05 ppm
- Turbidity < 1 NTU
- Temperature 4 °C (40 °F) - 27 °C (80 °F)
- Pressure 40 - 100 psi (2.8 - 5.6 bar)



Features

- ▶ Metal Storage Tank
- ▶ Filmtec RO Membrane
- ▶ Long Reach Chrome Faucet
- ▶ Quick Connect Fittings
- ▶ Powerful UV Disinfection

Installation Diagram



Drinking Water from Sea Water



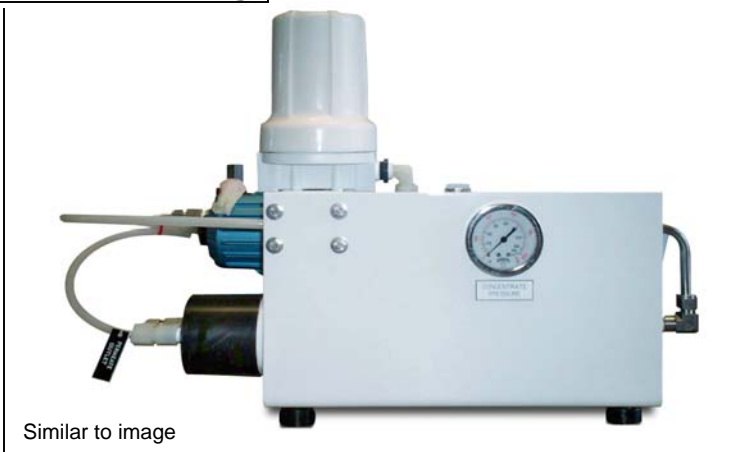
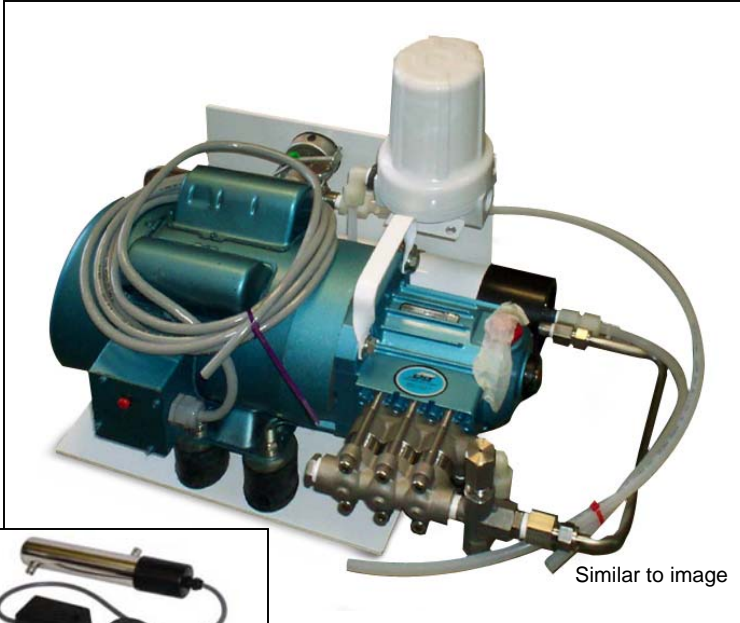
Sea Water RO Systems
from Wyckomar

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Tel 519-822-1886

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The Wyckomar SWRO-100 is ideal for use on board yachts and vessels of all types. Compact and dependable, this sea water desalination system is able to provide up to 100 GPD (400 LPD) of drinking water from sea water source.

This unit may be used stand alone or in combination with the Wyckomar UV-1 disinfection unit to provide an extra measure of protection by killing all potentially harmful bacterial and viral pathogens that may be present in the water.

Rugged and well constructed, the SWRO-100 will give many years of dependable service.

Specifications

- Output max. 100 GPD
- For Feed Water Containing up to 36,000 mg/L TDS (36,000 ppm) at 25 C, SDI < 3
- 316L Stainless Steel Pump
- 24 Volt DC Motor (1 HP), Running at 1800 RPM
- High Rejection Sea Water Membrane
- Flow Meter Installed on the Permeate Line
- 5 Micron Sediment Pre-Filter

Lead time varies with order volume
Volume discounts available
Some conditions may apply. O.A.C. – PO required

Contact us for info and pricing

Sea Water Desalination Systems

Commercial Applications

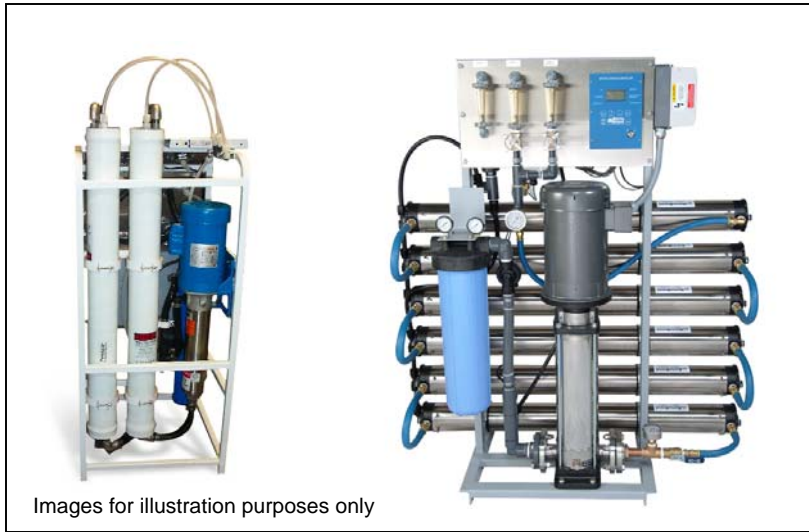


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Images for illustration purposes only

Sea Water Reverse Osmosis Systems are designed to produce potable permeate water from sea water of up to 36,000 ppm of TDS. Equipped with energy recovery systems, these are capable of energy efficiencies below 3.0 kWh/m³ (depending on model).

Design Assumptions

- Feed Water of <36,000 mg/L
- TDS at 25 C , SDI < 3, Turbidity < 1
- Negligible permeate backpressure
- Flux, Minimum Brine Flow, and Recovery in accordance with manufacturer's recommendations

Standard Features

High-Rejection Sea Water Membranes
 316L Stainless Steel Valves,
 Pressure Gauges
 Automatic High and Low Feed Pressure Shut –Off
 Automatic Feed Water Shut-Off Valve
 5 micron Sediment Pre-Filter
 Fibreglass Pressure Vessels
 Pre-Filter pressure Gauges
 Stainless Steel Frame

Optional Features

904L Stainless Steel High-Pressure Piping
 200V-460V 60 Hz 3-phase motor
 Permeate and Concentrate Flowmeters
 904L Stainless Steel Centrifugal Pump
 Automatic Permeate Flush
 Energy Recovery System
 Chemical Dosing System
 Clean-in-Place System
 TDS, pH, Temperature, Turbidity Meters
 PLC Control
 Special Colour
 50 Hz Motor

Part #	Production GPD	Production m ³ /D	Recovery %	Number, Size of Elements	Motor (HP)	Approx. Dimensions (L x W x H) inches	Approx. Weight lbs
WYCK-SW-1	1,600	6	20	1 (4")	3	26x20x127	110
WYCK-SW-2	3,200	12	20	5 (4")	9.5	81x51x127	175
WYCK-SW-3	4,800	18	30	7 (4")	11	274x66x152	1000
WYCK-SW-4	6,400	24	35	10 (4")	11	274x66x152	1200
WYCK-SW-5	7,200	30	20	2 (8")	10.5	366x122x152	1500
WYCK-SW-10	14,400	50	20	4 (8")	12.5	366x122x152	1800
WYCK-SW-15	21,600	80	27	6 (8")	14.5	427x122x152	2200
WYCK-SW-20	28,800	110	33	8 (8")	19.5	549x122x152	2700
WYCK-SW-25	36,000	130	38	10 (8")	24	671x122x152	3200
WYCK-SW-30	43,200	170	36	12 (8")	34	549x122x152	3650
WYCK-SW-45	64,800	250	42	18 (8")	50	732x122x152	4300
WYCK-SW-60	86,400	330	40	24 (8")	60.5	732x152x152	4950
WYCK-SW-75	108,000	410	40	30 (8")	67.5	732x152x183	5650
WYCK-SW-90	129,600	490	42	36 (8")	77.5	732x183x183	6450
WYCK-SW-110	158,400	600	40	42 (8")	92.5	732x183x183	7250

Specifications are subject to change without notice

Lead times vary with model
 Some conditions may apply. Purchase Order required

Please contact us for information and pricing