

R48 Series Commercial RO Systems

Four models for flow rates up to 100 GPM.



Standard features

- Powder coated steel frame
- FRP multi-port pressure vessels
- Stainless steel pre-filter and cartridges
- Webtrol® multi-stage centrifugal pump
- Automatic inlet valve
- Low-pressure shut-off with auto restart
- Tank level input
- Pretreatment interlock input
- Adjustable recycle line
- Pre-filter pressure gauges
- Pump discharge pressure gauge
- Flow meter for product water
- Flow meter for reject water
- Flow meter for recycle water
- Check valve for product water
- Sample valves for product water
- On / off switch

Specifications

Feed water connection	See below
Product water connection (40 & 60 GPM)	2" Flange
Product water connection (80 & 100 GPM)	2.5" Flange
Reject water connection	1.5" Flange
Feed water pressure requirement (min.)	20 PSIG
Drain requirement (maximum)	See below
Electrical requirement	460VAC/60hz
Phase	3
Amps (based on model)	25,30,35,40

Additional features included R48 systems

- CI-2000 electronic controller with feed and product water conductivity meter with percent rejection
- Programmable concentrate auto flush

Models

Model Number	Gallons Per Minute	Feed Water Connection	Pump (H.P.)	Recovery (Adj.)	Membrane Size	Membrane Array	Feed / Drain Required* (GPM)	Typical Rejection	Dimensions	Ship Wt. (Lbs.)
R48-08-3131100	40	2" Flange	15/TEFC	65%-75%	8" x 40"	1:1	62	98%	198"x42"x72"	2500
R48-12-3131100	60	2.5" Flange	20/TEFC	65%-75%	8" x 40"	2:1	93	98%	198"x42"x72"	2800
R48-16-3131100	80	3" Flange	25/TEFC	65%-75%	8" x 40"	2:2	123	98%	198"x42"x72"	3200
R48-20-3131100	100	3" Flange	30/TEFC	65%-75%	8" x 40"	3:2	154	98%	198"x42"x72"	3500

*At 65% recovery.

Notes: Performance specifications are based on 77°F feed water, 3 SDI or less, TDS below 1000 and pH of 8. Please see water temperature conversion charts to determine actual production rate for each installation. Chlorine reduction and other pretreatment may be required. Membrane rejection rates are based on membrane manufacturer's specifications. Pre-filter is Flow-Max® FM7x4 filter housing, constructed using 316 stainless steel and 2" MNPT pipe fittings and Flow-Pro® FPMB5-40 melt blown filter cartridges. Systems are designed for use with municipal and well water.