

## ***R48 Commercial RO Systems***

We dare you to compare our R48 Commercial RO systems to other systems of similar size offered by our competition. Our systems are built to meet your flow requirements on startup and continue to meet that same requirement for years of service.

Our conservative design approach ensures that the RO membranes are operated according to the manufactures guidelines. This reduces the potential for membrane fouling that often occurs on systems with undersized pumps.

### **Standard Features**

- Powder coated steel frame
- 316 SS Pre-filter pressure vessels
- Heavy-duty multi-stage centrifugal pump
- Automatic inlet valve
- Low-pressure shutdown with automatic restart
- Tank level input
- CI-2000 Electronic Controller with feed and product water conductivity meter, percent rejection, and alarm output
- Tank level input
- Pretreatment interlock input
- Adjustable reject recycle
- Prefilter pressure gauges
- Panel mounted liquid filled pressure gauges
- Product, reject, and reject recycle flow meters
- Product check valve
- Programmable concentrate flush (Auto Flush)



***R48-20-3131100***



## — Specifications and Ordering Information —

	R48-08	R48-12	R48-16	R48-20
<b>Maximum Productivity</b> (gallons per minute)	40	60	80	100
<b>Quality</b> (typical membrane percent rejection)	98%			
<b>Recovery</b> (adjustable)	65% - 75%			
<b>Membrane Size</b>	8" x 40"			
<b>Membrane Array</b> (four elements per vessel)	1:1	2:1	2:2	3:2
<b>Prefilter</b> (system ships with five micron cartridges)	7 round x 30"		7 round x 40"	
<b>Feed Water Connection</b>	2" Flange	2.5" Flange	3" Flange	
<b>Product Water Connection</b>	2" Flange		2.5" Flange	
<b>Reject Water Connection</b>	1.5" Flange			
<b>Feed Water Required</b> (GPM at 65% recovery)	62	93	123	154
<b>Minimum Feed Water Pressure</b>	20 PSIG	20 PSIG	20 PSIG	20 PSIG
<b>Drain Required</b> (maximum gpm)	62	93	123	154
<b>460 VAC, 3-phase, 60Hz</b> (other voltages available)	25 amps	30 amps	35 amps	40 amps
<b>Motor Horse Power</b> (TEFC Motor)	15	20	25	30
<b>Dimensions L x W x H</b> (approximate)	186" x 26" x 72"			
<b>Shipping Weight</b> (estimated pounds)	2500	2800	3200	3500

Part Number	Description
R48-08-3131100	40 gpm unit with CI-2000 electronic controller
R48-12-3131100	60 gpm unit with CI-2000 electronic controller
R48-16-3131100	80 gpm unit with CI-2000 electronic controller
R48-20-3131100	100 gpm unit with CI-2000 electronic controller

**Notes:**

- Maximum production based on a feed water of 77° F, SDI < 3, 1000 ppm TDS, and pH 7.6. Individual membrane productivity may vary (± 15%). May be operated on other feed waters with reduced capacity.
- Percent Rejection is based on membrane manufactures specifications; overall system percent rejection may be less.
- Specifications subject to change.

***There is an Alamo Brand® RO System for every need.***

Manufactured by: **Alamo Water Refiners, Inc.**, San Antonio, Texas

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