

## R14 Commercial RO Systems



**R14-06-1131100**

We dare you to compare our R14 Commercial RO systems to other systems of similar size offered by our competition. Our systems are built to meet your flow requirements on start-up 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 system with undersized pumps.

### Standard Features - Package One

- Powder coated steel frame
- Stainless steel pressure vessels
- 20" BB Pre-filter
- Heavy duty multi-stage centrifugal pump
- Automatic inlet valve
- Low pressure shutdown with automatic restart
- Tank level input
- Pretreatment interlock input
- Adjustable reject recycle
- Prefilter pressure gauges
- Liquid filled pump discharge, and reject pressure gauges
- Product, reject, and reject recycle flow meters
- Product check valve

### Package Two Features (in addition to package one)

- CI-1000 Electronic Controller with product water conductivity meter, and alarm output.
- Programmable concentrate flush (Auto Flush)



## Specifications and Ordering Information

	R14-02	R14-03	R14-04	R14-05	R14-06
<b>Maximum Productivity</b> (gallons per day)	3600	5400	7200	9000	10,800
<b>Quality</b> (Typical Membrane Percent Rejection)	98%				
<b>Recovery</b> (adjustable)	25-75%	36-75%	42-75%	46-75%	50-75%
<b>Membrane Size</b>	4"x40"				
<b>Number Of Membranes</b>	2	3	4	5	6
<b>Prefilter</b> (System ships with one 5 micron cartridge)	20" BB				
<b>Feed Water Connection</b>	1" FNPT				
<b>Product Water Connection</b>	3/4" FNPT				
<b>Reject Water Connection</b>	3/4" FNPT				
<b>Feed Water Required</b> (GPM at 50% recovery)	5	7.5	10	12.5	15
<b>Feed Water Pressure</b> (Minimum)	10 psi				
<b>Drain Required</b> (Maximum)	15 gpm				
<b>Electrical Requirement</b> (Other voltages available)	230 VAC, 3-phase, 60 Hz, 15 amps				
<b>Motor Horse Power</b>	5				
<b>Dimensions L x W x H</b> (approximate)	60"x18"x56"				
<b>Shipping Weight</b> (Estimated Pounds)	400	500	600	700	800

Part Number	Description
R14-02-1111000	3600 gallons per day with package one features
R14-02-1131100	3600 gallons per day with package two features
R14-03-1111000	5400 gallons per day with package one features
R14-03-1131100	5400 gallons per day with package two features
R14-04-1111000	7200 gallons per day with package one features
R14-04-1131100	7200 gallons per day with package two features
R14-05-1111000	9000 gallons per day with package one features
R14-05-1131100	9000 gallons per day with package two features
R14-06-1111000	10,800 gallons per day with package one features
R14-06-1131100	10,800 gallons per day with package two features

**Notes:**

- Maximum production based on a feed water of 77°F, SDI < 3, 1000 ppm TDS, and pH 8. 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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