

R44 Commercial RO Systems

We dare you to compare our R44 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 - Package One

- Powder coated steel frame
- FRP multi port pressure vessels
- 316 SS Pre-filter housing
- 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, membrane feed, 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)



R44-24-11311100



— Specifications and Ordering Information —

	R44-16	R44-20	R44-24
Maximum Productivity (gallons per minute)	20	25	30
Quality (typical membrane percent rejection)	98%		
Recovery (adjustable)	65% - 75%		
Membrane Size	4" x 40"		
Membrane Array (four elements per vessel)	2:2	3:2	4:2
Prefilter (system ships with five micron cartridges)	7 round x 20"		
Feed Water Connection	2" Flange		
Product Water Connection	1.5" Flange		
Reject Water Connection	1" Flange		
Feed Water Required (GPM at 65% recovery)	31	39	46
Minimum Feed Water Pressure	10 PSIG		
Drain Required (maximum gpm)	31	39	46
Electrical Requirement (other voltages available)	230 VAC, 3-phase, 60 Hz, 30 amps		
Motor Horse Power / Type	10 / TEFC		
Dimensions L x W x H (approximate)	192" x 26" x 72"		
Shipping Weight (estimated pounds)	1400	1600	1800

Part Number	Description
R44-16-1111000	20 gpm unit with package one features
R44-16-1131100	20 gpm unit with package two features
R44-20-1111000	25 gpm unit with package one features
R44-20-1131100	25 gpm unit with package two features
R44-24-1111000	30 gpm unit with package one features
R44-24-1131100	30 gpm unit 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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