



**ROTEK RB 1500-6000
Reverse Osmosis Systems**

- ★ Designed for Brackish Water Desalination
- ★ Adjustable Auto Permeate Flush Time
- ★ Stainless Steel 316 Multistage Pump
- ★ Capable for Feed TDS up to 10,000 ppm
- ★ High Flow Low-Energy Membranes
- ★ Low Maintenance
- ★ Compact Space Saving Design

ROTEK Reverse Osmosis Systems feature an excellent pre-treatment design with high quality components to offer high performance. ROTEK systems are designed for high recovery rates and minimum energy consumption. Experience greater savings with lower maintenance and operation costs when you install a ROTEK Reverse Osmosis System.



ROTEK compact light industrial reverse osmosis system is a durable piece of equipment which, with proper care and maintenance will last for many years. RB series systems are part of a family of reverse osmosis units designed for operation with brackish feedwaters having TDS values below 10,000ppm. Models are available with permeate outputs of between 250 and 1,000 litres/hr as shown in the specifications.

Specifications

Model	RB1500	RB3000	RB4500	RB6000
Feed Water TDS	<10,000ppm	<10,000ppm	<10,000ppm	<10,000ppm
Recovery Rate*	18-50%	25-50%	25-50%	25-50%
Vessel Size	FRP4040 x 1	FRP4040 x 2	FRP4040 x 3	FRP4040 x 4
Permeate Flow Rate (lpm@ppm)**	4.1@8,000 3.1@10,000	8.3/7,000 5.7/10,000	12/6,000 7.6/10,000	16.6/5,000 9.2/10,000
Feed Connection	3/4" FNPT	3/4" FNPT	3/4" FNPT	3/4" FNPT
Permeate Connection	1/2"	1/2"	1/2"	1/2"
Concentrate Connection	1/2"	1/2"	1/2"	1/2"
Flush Connection	1/2"	1/2"	1/2"	1/2"
Pump type & Motor HP	SS316 Multistage 3HP	SS316 Multistage 3HP	SS316 Multistage 3HP	SS316 Multistage 3HP
Gross Dimension (cm)	66X45X130	69X63X147	69X63X147	69X63X147
Gross Weight (kg)	45	88	94	100

* Minimum recovery rate is calculated based on no concentrate recirculation, it is possible to increase the overall recovery rate by increasing the concentrate circulation flow.

** Permeate flow rate can vary depending on the type of membrane, raw water quality, and recovery rate.