

Commercial Reverse Osmosis Systems

QualiPure™
150 - 1,250 GPD



QualiPure™ brand Reverse Osmosis systems from Haliant Technologies provide the right combination of value and features required for most commercial applications. Every QualiPure™ R.O. system is manufactured from the highest quality components to the exacting standards of all Haliant Technologies equipment. Standard QualiPure™ R.O. models are available for any commercial application from 150 to 1,250 GPD, or consult with a Haliant Technologies applications engineer for a custom-designed system for capacities as low as 100 GPD.

QualiPure™ brand Reverse Osmosis systems are ideal for a wide variety of commercial water purification applications, including:

- Potable Water
- Manufacturing
- Nurseries
- Fisheries
- Bottled Water
- Beverage Production
- Vending
- Ice Machines
- Car Wash



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Standard Features

- TFC R.O. Membranes
- Rotary Vane High-Pressure Pump
- Stainless Steel Pressure Vessels
- Powder Coated Heavy-Duty Frame
- Corrosion-Resistant Tubing and Piping
- 60Hz/100-230V, 1-phase motor
- Automatic Feed Water Shut-off Valve
- 5-micron Sediment Prefilter

Optional Features

- TDS Monitor
- Concentrate Recycling
- Automatic Deed Water Flush
- Permeate, Concentrate, or Recycle Flowmeters
- Prefilter Pressure Gauges
- Special Color or Private Label
- 50Hz Motor
- 3-phase Motor (QualiPure 1600 to 9600 only)
- Low-Pressure Switch
- Crating

Design Assumptions

- Feed water of 500 mg/L TDS at 25 C, SDI < 3, Turbidity < 1
- Negligible permeate backpressure
- 3rd year of operation allowing for Flux Decline and Salt Passage Increase
- Flux, Minimum Brine Flow, and Recovery per membrane manufacturers recommendations

System Specifications

MODEL	SYSTEM CONFIGURATION											
	PRODUCTION		RECOVERY	NUMBER AND SIZE	MOTOR		APPROXIMATE SHIPPING DIMENSIONS			APPROXIMATE SKID DIMENSIONS		
	GPD	m ³ /D	%	ELEMENTS	60Hz (HP)	50Hz (KW)	(L x W x H) (inches)	(L x W x H) (cm)	WEIGHT (lbs/ Kg)	(L x W x H) (inches)	(L x W x H) (cm)	WEIGHT (lbs/ Kg)
QUALIPURE-150	150	0.6	12	1 (2.5' x 14')	1/3	1/3	18 x 16 x 48	46 x 41 x 122	75/34	16 x 14 x 42	41 x 36 x 107	80/27
QUALIPURE-250	250	1	10	1 (2.5' x 21')	1/3	1/3	18 x 16 x 48	46 x 41 x 122	80/36	16 x 14 x 42	41 x 36 x 107	85/30
QUALIPURE-450	450	1.7	14	1 (4' x 14')	1/2	1/2	18 x 16 x 48	46 x 41 x 122	85/39	16 x 14 x 42	41 x 36 x 107	70/32
QUALIPURE-500	500	1.9	21	2 (2.5' x 21')	1/3	1/3	18 x 16 x 48	46 x 41 x 122	90/40	16 x 14 x 42	41 x 36 x 107	75/34
QUALIPURE-625	625	2.4	19	1 (2.5' x 40')	1/3	1/2	18 x 16 x 80	46 x 41 x 152	90/40	16 x 14 x 54	41 x 36 x 107	75/34
QUALIPURE-750	750	2.8	31	3 (2.5' x 21')	1/3	1/3	18 x 18 x 48	46 x 46 x 152	100/45	16 x 16 x 42	41 x 41 x 107	85/39
QUALIPURE-800	800	3	18	1 (4' x 21')	1/3	1/3	18 x 16 x 48	46 x 41 x 122	90/40	16 x 14 x 42	41 x 36 x 107	75/34
QUALIPURE-1000	1,000	3.8	41	4 (2.5' x 21')	1/2	1/3	18 x 18 x 48	46 x 41 x 122	110/50	16 x 16 x 42	41 x 41 x 107	95/43
QUALIPURE-1250	1,250	4.7	27	2 (2.5' x 40')	1/2	1/2	18 x 16 x 80	46 x 41 x 152	100/45	16 x 14 x 54	41 x 36 x 107	85/39

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