

Commercial Reverse Osmosis Systems

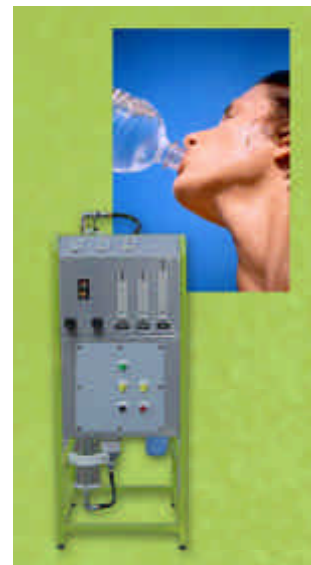
QualiPure™



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 1,600 to 20,000 GPD, or consult with a Haliant Technologies applications engineer for a custom-designed system for capacities as low as 100 GPD.

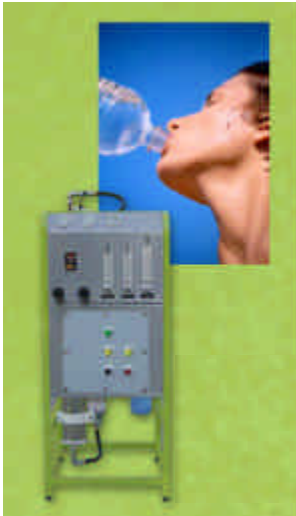
QualiPure™ brand Reverse Osmosis systems are ideal for a wide variety of commercial water purification applications including:

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



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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

Standard Features

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

Optional Features

TDS Monitor
 Concentrate Recycling
 Automatic Feed 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)
 Crating

System Specifications

MODEL	SYSTEM CONFIGURATION												
	PRODUCTION			RECOVERY (%)	NUMBER AND SIZE ELEMENTS	MOTOR		APPROXIMATE SHIPPING DIMENSIONS			APPROXIMATE SKID DIMENSIONS		
	GPD	m3/D				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-1600	1,600	6	18	1 (4")	1	1	26 x 26 x 57	66 x 66 x 145	74/34	20 x 20 x 50	51 x 51 x 127	60/27	
QUALIPURE-3200	3,200	12	31	2 (4")	1	1	26 x 26 x 57	66 x 66 x 145	89/40	20 x 20 x 50	51 x 51 x 127	74/34	
QUALIPURE-4800	4,800	18	41	3 (4")	1.5	3	26 x 26 x 57	66 x 66 x 145	99/45	20 x 20 x 50	51 x 51 x 127	85/39	
QUALIPURE-6400	6,400	24	48	4 (4")	1.5	3	26 x 26 x 57	66 x 66 x 145	106/48	20 x 20 x 50	51 x 51 x 127	92/42	
QUALIPURE-8000	8,000	30	54	5 (4")	3	3	34 x 26 x 57	86 x 66 x 145	120/55	28 x 20 x 50	71 x 51 x 127	106/48	
QUALIPURE-9600	9,600	36	55	6 (4")	3	3	34 x 26 x 57	86 x 66 x 145	134/61	28 x 20 x 50	71 x 51 x 127	117/53	
QUALIPURE-10000	10,000	38	47	7 (4")	5	4	73 x 48 x 58	185 x 122 x 147	608/276	64 x 37 x 48	163 x 94 x 122	550/250	
QUALIPURE-12000	12,000	45	48	8 (4")	5	4	73 x 48 x 58	185 x 122 x 147	658/299	64 x 37 x 48	163 x 94 x 122	600/273	
QUALIPURE-14000	14,000	53	50	9 (4")	5	5.5	73 x 48 x 58	185 x 122 x 147	708/322	64 x 37 x 48	163 x 94 x 122	650/295	
QUALIPURE-16000	16,000	61	49	10 (4")	5	5.5	73 x 48 x 58	185 x 122 x 147	758/345	64 x 37 x 48	163 x 94 x 122	700/318	
QUALIPURE-18000	18,000	68	50	12 (4")	7.5	7.5	73 x 48 x 58	185 x 122 x 147	808/367	64 x 37 x 48	163 x 94 x 122	750/340	
QUALIPURE-20000	20,000	76	50	14 (4")	7.5	7.5	73 x 58 x 58	185 x 147 x 147	918/417	64 x 48 x 48	163 x 122 x 122	860/391	



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