

*Commercial Reverse Osmosis Systems for
Car and Truck Wash and Rinse*

SpotFree™



SpotFree™ brand Reverse Osmosis systems from Haliant Technologies provide the right combination of value and features required for any car wash application. Every SpotFree™ R.O. system is manufactured from the highest quality components to the exacting standards of all Haliant Technologies equipment. Standard SpotFree™ R.O. models are available for any commercial application from 1,600 to 6,400 GPD.

SpotFree™ brand Reverse Osmosis systems are designed to produce permeate water with a Total Dissolved Solids (TDS) level below the threshold for spot formation. SpotFree systems utilize a space-saving wall-mount configuration ideal for car wash tunnels and equipment rooms.



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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 in accordance with membrane manufacturers recommendations

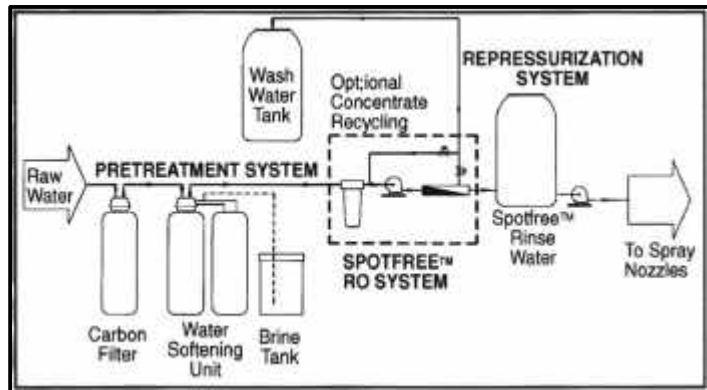
Standard Features

- TFC R.O. Membranes
- Centrifugal High-Pressure Pump
- Stainless Steel Pressure Vessels
- Stainless Steel Frame
- Corrosion-Resistant Tubing
- 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 or 3-phase Motor
- Crating

Process Flowchart for Carwash Rinse Water Purification



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)	WT (lbs/Kg)	(L x W x H) (inches)	(L x W x H) (cm)	WT (lbs/Kg)
SPOTFREE-1600	1,600	6	18	1 (4")	1	1	56 x 50 x 24	142 x 127 x 61	133/60	42 x 12 x 48	107 x 30 x 122	98/45	
SPOTFREE-3200	3,200	12	31	2 (4")	1	1	56 x 50 x 24	142 x 127 x 61	163/74	42 x 12 x 48	107 x 30 x 122	128/58	
SPOTFREE-4800	4,800	18	41	3 (4")	1.5	2.2	56 x 50 x 24	142 x 127 x 61	193/88	42 x 12 x 48	107 x 30 x 122	158/72	
SPOTFREE-6400	6,400	24	48	4 (4")	1.5	2.2	56 x 50 x 24	142 x 127 x 61	223/101	42 x 12 x 48	107 x 30 x 122	188/85	



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