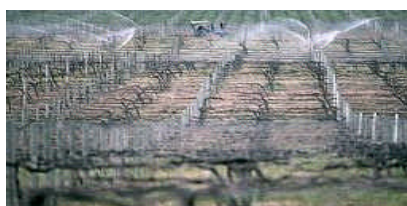


Industrial Brackish Water Reverse Osmosis Systems

Halia™ BW



Halia™ brand Brackish Water Reverse Osmosis systems from Haliant Technologies provide the right combination of value and features required for any desalination application. Every Halia™ Brackish Water R.O. system is manufactured from the highest quality components to the exacting standards of all Haliant Technologies equipment. Standard Halia™ Brackish Water R.O. models are available for any brackish water industrial application from 1,600 to over 150,000 GPD.

Halia™ Brackish Water Reverse Osmosis systems are specially designed for feed waters with elevated levels of TDS. Each Halia™ Brackish Water system is designed to provide potable product water from feed water with TDS of up to 10,000 ppm. Only industrial-quality corrosion-resistant components are used to ensure maximum reliability.



Industrial Brackish Water Systems

Haliant™ BW



- Feed water of 10,000 mg/L TDS at 25 C, SDI < 5, 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
- Brackish Water Systems may require extensive pre-treatment to prevent membrane scaling

Standard Features

Fiberglass-Wrapped TFC Membranes
 316SS Pump, Valves, Pressure Gauges
 316L Stainless Steel High-Pressure Piping
 60Hz/230V-460V, TEFC motor
 Automatic High and Low Feed Pressure Shut-off
 Permeate and Concentrate Flowmeters
 Automatic Feed Water Shut-off Valve
 5-micron Sediment Prefilter
 Fiberglass Pressure Vessels
 Prefilter Pressure Gauges

Optional Features

Chemical Dosing System
 Clean-in-Place System
 TDS, pH, Temperature, Turbidity Instruments
 PLC Control
 Special Color or Private Label
 50Hz Motor
 Automatic Feed Water or Permeate Flush
 Crating

System Specifications

MODEL	SYSTEM CONFIGURATION											
	PRODUCTION		RECOVERY	NUMBER	MOTOR		APPROXIMATE SHIPPING DIMENSIONS			APPROXIMATE SKID DIMENSIONS		
	GPD	m3/D	(%)	AND SIZE	60Hz	50Hz	(L x W x H)	(L x W x H)	WEIGHT	(L x W x H)	(L x W x H)	WEIGHT
			ELEMENTS	(HP)	(KW)	(inches)	(cm)	(lbs/Kg)	(inches)	(cm)	(lbs/Kg)	
HALIA-BW-0.25	360	1.4	13	1 (2.5")	1/2	1/3	26 x 26 x 57	66 x 66 x 145	69/31	20 x 20 x 50	51 x 51 x 127	55/25
HALIA-BW-0.5	720	2.7	22	2 (2.5")	1/2	1/3	26 x 26 x 57	66 x 66 x 145	79/36	20 x 20 x 50	51 x 51 x 127	65/30
HALIA-BW-1	1,000	4	15	1 (4")	4	2.2	26 x 26 x 57	66 x 66 x 145	74/34	20 x 20 x 50	51 x 51 x 127	60/27
HALIA-BW-1.5	2,200	8	27	2 (4")	4	2.2	26 x 26 x 57	66 x 66 x 145	89/40	20 x 20 x 50	51 x 51 x 127	74/34
HALIA-BW-2	3,200	12	35	3 (4")	5.5	2.2	26 x 26 x 57	66 x 66 x 145	99/45	20 x 20 x 50	51 x 51 x 127	85/39
HALIA-BW-3	4,500	17	43	4 (4")	5.5	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
HALIA-BW-4	5,500	21	36	5 (4")	5.5	4	26 x 26 x 57	66 x 66 x 145	120/55	20 x 20 x 50	51 x 51 x 127	106/48
HALIA-BW-5	7,200	27	43	7 (4")	5.5	4	120 x 40 x 72	315 x 102 x 183	1175/534	108 x 32 x 60	274 x 81 x 152	875/398
HALIA-BW-10	14,400	55	50	14 (4")	9	5.1	120 x 50 x 72	315 x 127 x 183	1300/591	108 x 42 x 60	274 x 96 x 152	1000/455
HALIA-BW-15	21,600	82	55	21 (4")	10.5	7	168 x 50 x 72	427 x 127 x 183	1475/670	156 x 42 x 60	396 x 96 x 152	1150/523
HALIA-BW-20	28,800	110	55	27 (4")	15	8.6	168 x 60 x 72	427 x 152 x 183	1700/773	156 x 52 x 60	396 x 132 x 152	1350/614
HALIA-BW-25	36,000	140	55	36 (8")	19	9.5	168 x 60 x 72	427 x 152 x 183	1900/864	156 x 52 x 60	396 x 132 x 152	1550/705
HALIA-BW-30	43,200	165	50	42 (8")	25	18	168 x 60 x 72	427 x 152 x 183	2100/955	156 x 52 x 60	396 x 132 x 152	1750/795
HALIA-BW-45	64,800	250	50	48 (8")	30	19.5	228 x 60 x 84	579 x 152 x 213	2900/1318	216 x 48 x 72	549 x 122 x 183	2500/1136
HALIA-BW-60	86,400	330	55	54 (8")	40	30	228 x 60 x 84	579 x 152 x 213	3450/1568	216 x 48 x 72	549 x 122 x 183	3050/1386
HALIA-BW-75	108,000	410	55	60 (8")	40	30	228 x 74 x 84	579 x 188 x 213	4050/1841	216 x 62 x 72	549 x 157 x 183	3600/1636
HALIA-BW-90	129,600	490	60	66 (8")	45	35.5	228 x 74 x 84	579 x 188 x 213	4600/2091	216 x 62 x 72	549 x 157 x 183	4150/1886
HALIA-BW-105	151,200	570	60	72 (8")	50	37.5	306 x 74 x 84	777 x 188 x 213	5400/2455	288 x 62 x 72	732 x 157 x 183	4800/2182



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