



Bauer International Corporation BIC BW Series Reverse Osmosis Systems are designed using the high quality selected components.

The Reverse Osmosis unit can be built based on the customer's requirements especially where space is limited. A containerized seawater Reverse Osmosis unit can be built where easy site installation and mobilization of equipment is required.

Bauer International Corporation standard Brackish Reverse Osmosis ranges from 327 cubic meter per day (86,400 Gallons per day) to 3,925 cubic meter per day (1,036,800 Gallons per day). Custom design systems are also available and can be supplied with filtration systems, pre & post treatment chemical feed systems and membranes cleaning system to meet your specific plant requirements. At Bauer International Corporation, we provide an engineering innovations, creativity and expertise to help you select the right equipment and engineering design for your specific needs.

**2,600 cubic meter per day (686, 850 gallons per day) capacity
Brackish Water Reverse Osmosis with horizontal stainless steel multi-stage centrifugal high pressure pump**

STANDARD FEATURES

- ◆ 316 Stainless Steel Vertical multi-stage centrifugal pump for models upto 1,145m³/day
- ◆ 316 Stainless Steel Horizontal multi-stage centrifugal pump for models from 1,308m³/day and larger
- ◆ 300PSI multi-side ports design FRP pressure vessels to reduce the manufacturing of high pressure piping.
- ◆ 400 sq. ft. high rejection thin film composite seawater Reverse Osmosis membranes
- ◆ System Interlocks for Pre and Post chemical feed systems, raw water and backwash pumps, multimedia filters, raw and product water tank levels
- ◆ NEMA 12 PLC based electrical control panel with Man Machine Interface(MMI) panel view
- ◆ 316L Stainless Steel Construction Five Micron Filter
- ◆ Automatic inlet shut-off valve
- ◆ Manual reject throttling valve
- ◆ Reject auto flush valve
- ◆ Product conductivity meter
- ◆ Product flow indicator
- ◆ Reject flow indicator
- ◆ Sample valves for each pressure vessel product
- ◆ Cartridge filter inlet and outlet liquid filled pressure gauges
- ◆ Membrane feed, reject and product liquid filled pressure gauges
- ◆ High pressure pump low and high pressure switch
- ◆ Powder coated steel skid
- ◆ 316L S.S. High pressure & PVC Low pressure piping

APPLICATIONS

- ◆ Potable drinking water
- ◆ Food and beverage industries
- ◆ Water bottling and ice making
- ◆ Hospitals
- ◆ Power plants
- ◆ Boiler feed water
- ◆ Semiconductors
- ◆ Pharmaceuticals
- ◆ Agriculture
- ◆ Hotels and resorts

AVAILABLE OPTIONS

- ◆ Pretreatment and Post treatment Chemical Feed systems
- ◆ Manual or automatic Multimedia filter
- ◆ Manual or automatic Activated Carbon Filter
- ◆ Raw water and filter backwash feed pumps
- ◆ RO Membrane cleaning system
- ◆ RO plant fresh water flush system
- ◆ Feed and product pH indicator
- ◆ Feed ORP indicator
- ◆ Feed conductivity indicator
- ◆ Feed water TDS of more than 2,000 PPM

Technology and Experience Bring Satisfaction

MODEL	CAPACITY	TOTAL MEMBRANES	TOTAL PRESSURE VESSELS	FEED FLOW	FEED PRESSURE	REJECT FLOW	REJECT PRESSURE	DIMENSIONS (L x W x H)	SHIPPING WEIGHT
	GPD			GPM	PSI	GPM	PSI	INCH	(LBS)
US STANDARD									
BIC-BW-800212	86400	12	2	80	244	20	163		
BIC-BW-800318	129600	18	3	120	227	30	158		
BIC-BW-800424	172800	24	4	160	244	40	163		
BIC-BW-800636	259200	36	6	240	227	60	158		
BIC-BW-800742	302400	42	7	280	235	70	161		
BIC-BW-800848	345600	48	8	320	230	80	160		
BIC-BW-800954	388800	54	9	360	227	90	158		
BIC-BW-801060	432000	60	10	400	232	100	161		
BIC-BW-801166	475200	66	11	440	229	110	159		
BIC-BW-801272	518400	72	12	480	227	120	158		
BIC-BW-801378	561600	78	13	520	231	130	160		
BIC-BW-801484	604800	84	14	560	229	140	159		
BIC-BW-801590	648000	90	15	600	227	150	158		
BIC-BW-801696	691200	96	16	640	230	160	160		
BIC-BW-817102	734400	102	17	680	229	170	159		
BIC-BW-818108	777600	108	18	720	227	180	158		
BIC-BW-819114	820800	114	19	760	230	190	160		
BIC-BW-820120	864800	120	20	800	229	200	159		
BIC-BW-821126	907200	126	21	840	231	210	160		
BIC-BW-822132	950400	132	22	880	229	220	159		
BIC-BW-823138	993600	138	23	920	232	230	160		
BIC-BW-824144	1036800	144	24	960	227	240	158		

METRIC	m3/day			m3/hour	BAR	m3/hour	BAR	Millimeter	kg
BIC-BW-800212	327	12	2	18	17	5	11		
BIC-BW-800318	490	18	3	27	16	7	11		
BIC-BW-800424	654	24	4	36	17	9	11		
BIC-BW-800636	981	36	6	55	16	14	11		
BIC-BW-800742	1145	42	7	64	16	16	11		
BIC-BW-800848	1308	48	8	73	16	18	11		
BIC-BW-800954	1471	54	9	82	16	20	11		
BIC-BW-801060	1635	60	10	91	16	23	11		
BIC-BW-801166	1798	66	11	100	16	25	11		
BIC-BW-801272	1962	72	12	109	16	27	11		
BIC-BW-801378	2125	78	13	118	16	30	11		
BIC-BW-801484	2289	84	14	127	16	32	11		
BIC-BW-801590	2452	90	15	136	16	34	11		
BIC-BW-801696	2616	96	16	145	16	36	11		
BIC-BW-817102	2780	102	17	155	16	39	11		
BIC-BW-818108	2943	108	18	164	16	41	11		
BIC-BW-819114	3106	114	19	173	16	43	11		
BIC-BW-820120	3273	120	20	182	16	45	11		
BIC-BW-821126	3433	126	21	191	16	48	11		
BIC-BW-822132	3597	132	22	200	16	50	11		
BIC-BW-823138	3760	138	23	209	16	52	11		
BIC-BW-824144	3925	144	24	218	16	55	11		

Notes:

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| <ol style="list-style-type: none"> 1. Results may vary depending on the feed water analysis. 2. Pre-treatment required contingent upon feed water analysis. 3. Flows is based on temperature of 25°C 4. Feed water suction pressure shall not be less than 29PSI | <ol style="list-style-type: none"> 5. Feed water TDS is based on 2,000ppm 6. Reverse Osmosis membrane GFD is based on 18GFD 7. Brackish Reverse Osmosis membrane is based on 400 sq. ft. 8. Reverse Osmosis projection is based on 3 years operation 9. Feed water source is based on well water |
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BAUER INTERNATIONAL CORPORATION
WATER AND WASTEWATER TREATMENT SYSTEMS

1542 Edinger Avenue, Suite D, Tustin, CA 92780 U.S.A.
Tel: (714) 689-9055 Fax: (714) 689-9056
www.bauerusa-intl.com E-mail: info@bauerusa-intl.com