

B-HP SERIES



RO B 240 WITH FLUSHING



RO B 240 WITHOUT FLUSHING



RO B 680 WITH FLUSHING



RO B 640 WITH FLUSHING

REQUIREMENTS

- Electrical voltage: 380 - 400 VAC – 50 Hz
- Supply pressure: 3 – 5 Bar
- Design temperature: 20°C
- Maximum input TDS: 3.000 ppm

OPTIONS

- Flushing system
- Mixing system
- PLC HW programmable controller
- Raw water conductivity meter
- Raw water Redox potential meter
- Raw water pH meter

OSMOSIS B-HP SERIES

The B-HP series osmosis systems are equipment designed to treat water with a salinity of up to 3.000 ppm, producing water with a low salt content; for use in purification applications, service water and water for different semi-industrial and/or industrial processes.

The production of the B series osmosis systems varies from 200 L/h to 8.000 L/h*.

OSMOSIS B-HP SERIES

INDUSTRIAL OSMOSIS

MAIN COMPONENTS

1. 5 micron microfiltration
2. Minimum pressure switch
3. GRUNDFOSS vertical centrifugal high pressure pump in 316 stainless steel
4. Highsaltrejectionreverseosmosismembrane(4" or 8" depending on the model)
5. Brass inlet solenoid valve
6. Brass solenoid valve drag
7. Inlet pressure gauge
8. Pump pressure gauge
9. Rejection pressure gauge
10. Permeate flowmeter
11. Rejection flowmeter
12. Recirculation flowmeter
13. Conductivity meter on permeate line
14. Rejection flow key regulator
15. Recirculation flow key regulator
16. Electronicc programmer model RO-HW2
17. Start - stop control box
18. 304 stainless steel structure
19. Low pressure line built in PVC-PN16
20. High pressure line built in 316 stainless steel

CODE	MODEL	PRODUCTION (L/h)	MEMBRANE	PUMP TYPE** (kW)	RECOVERY* (%)	DIMENSIONS (mm)		
						WIDTH	DEPTH	HEIGHT
RO-0404-01HP	RO-B140-HP	200	1x40x40	2,2	40	1060	650	2000
RO-0404-02HP	RO-B240-HP	400	2x40x40	2,2	50	1060	650	2000
RO-0404-03HP	RO-B340-HP	600	3x40x40	3	60	1060	650	2000
RO-0404-04HP	RO-B440-HP	800	4x40x40	3	65	1060	650	2000
RO-0404-06HP	RO-B640-HP	1.200	6x40x40	3	75	3500	841	2000
RO-0404-11HP	RO-B940-HP	1.800	9x40x40	4	75	3500	841	2000
RO-0404-12HP	RO-B1240-HP	2.400	12x40x40	4	75	4600	780	2000
RO-0404-07HP	RO-B280-HP	1.800	2x80x40	5,5	50	2900	1200	2000
RO-0404-08HP	RO-B380-HP	2.500	3x80x40	5,5	60	4000	1200	2000
RO-0404-09HP	RO-B480-HP	3.500	4x80x40	7,5	65	2900	1200	2000
RO-0404-10HP	RO-B680-HP	5.000	6x80x40	7,5	75	4000	1200	2000
RO-0404-14HP	RO-B980-HP	8.000	9x80x40	15	75	4000	1200	2000
OP-0404-02	Automatic flushing. 200 L: RO-B140, RO-B240, ROB-B340 and RO-B440							
OP-0404-04	Automatic flushing 200L: RO-B640							
OP-0404-09	Automatic flushing 300L: RO-B940 and RO-B1240							
OP-0404-03	Automatic flushing 300L: RO-B280, RO-B380, RO-B480 y RO-B680							
OP-0404-11	Automatic flushing 500L: RO-B980							
OP-0404-05	½" Mixer system							
OP-0404-06	1" Mixer system							
OP-0404-08	Raw water conductivity meter (equipment with HW2 RO controller)							
OP-0404-40	Raw water pH meter (equipment with HW2 RO controller)							
OP-0404-42	Raw water redox meter (equipment with HW2 RO controller)							
OP-0404-10	PLC HW programmable logic controller option							
OP-0404-12	Raw water redox meter (equipment with PLC programmable controller)							
OP-0404-14	Raw water pH meter (equipment with PLC programming controller)							
OP-0404-18	Raw water CD meter (equipment with PLC programmable controller)							

* The power of the high pressure pump may vary depending on the inlet water temperature. The equipment has been designed taking into account an inlet water temperature of 20 °C. For lower temperatures, please contact our technical department.

** The conversion may vary depending on the analytics of the incoming water.

*** If the automatic flushing option is chosen, 704 mm must be added to the width of the models: RO-B140-HP, RO-B240-HP, RO-B340-HP and RO-B440-HP

NOTE: All B-HP series osmosis systems require adequate pre-treatment, which will depend on the origin and quality of the water to be treated. Likewise, depending on the application of the treated water, post-treatment may be necessary.

FT-EN-ROSERIE B-HP-RO-0404-XXHP-FL25V01