



BWT Commercial Reverse Osmosis

The Ecosoft reverse osmosis is a water purification process, that uses a semi-permeable membrane to remove salts, minerals, and any unwanted contaminants, from brackish water.

The Ecosoft Mo System Consists of High-Quality Components:

- Grundfos high pressure pump - 2 Year Repair Warranty
- Dow FRP membrane vessel
- Ecosoft Controller OC 5000/ EConnect Controller OC 6000
- BB10 sediment pre filter
- Danfoss solenoid valves
- John Guest pipes & fittings
- Conductivity sensor
- High and low-pressure switches
- Permeate, drain and recycle flow meter
- Incoming and operating gauges
- Skid frame with a unique design



Ecosoft Reverse Osmosis System
MO 12000 530 l/hr



Ecosoft Reverse Osmosis System
MO 24000 1000 l/hr



Ecosoft Reverse Osmosis System
MO 36000 1500 l/hr



Ecosoft Reverse Osmosis System
MO 6500 280 l/hr



Controller OC 5000



Controller OC 6000



KEY FEATURES:



Compact, light and easy to use.



Reliable performance due to quality engineering and components.



Low energy consumption.



Online monitoring system with the Econnect Controller kit.

Technical Data

Model	MO-6500	MO-12000	MO-24000	MO-36000
Rate capacity, LPH <i>*temp= 25°C, TDS= 1000 mg/l</i>	280	530	1000	1500
Membranes	1	2	4	6
Inlet pressure – bar	2–6			
Power consumption – kW	0,67		1,9	
Dimensions (W x D x H) – mm	540 × 405 × 1450		700 × 610 × 1450	900 × 600 × 1500
Dry weight- kg	60	70	100	130
Connection port sizes:				
<ul style="list-style-type: none"> • Feed water • Permeate • Drain 	1/2"		1,0"	
Recycle flow rate:				
<ul style="list-style-type: none"> • LPM • LPH 	13–15 820–900	8,2–11,2 490–680	21–35 1200–2100	25–41 1500–2500
Drain flow rate:				
<ul style="list-style-type: none"> • LPM • LPH 	1,2–1,7 70–100	2,2–3,0 130–180	5–8 300–800	7–10 420–600
Permeate flow rate:				
<ul style="list-style-type: none"> • LPM • LPH 	3,5–4,5 200–270	6,5–9,0 390–540	16–20 900–1200	20–28 1200–1700

Limitations:

Hardness	150 mg/l CaCO ₃ 8,5 °dH
Iron	0,1 mg/l
Magnesium	0,005 mg/l
Silica	20 mg/l
Total dissolved solids	3000 mg/l
Chemical oxygen demand	4,0 mg/l O ₂
Residual chlorine	0,1 mg/l
Hydrogen sulfide	none

Inlet pressure	2–4 bar
Temperature of water	10...25 °C
Electrical power	203 V, 50Hz
Membrane pressure	8–12 bar

