



OVIVO LE 8 RO SYSTEM

25 TO 35 M3/HR

APPLICATIONS

Boiler Feedwater

'Waste to Energy' plants

Food and Beverage

Chemical production plants

Any application requiring a standard designed RO water system



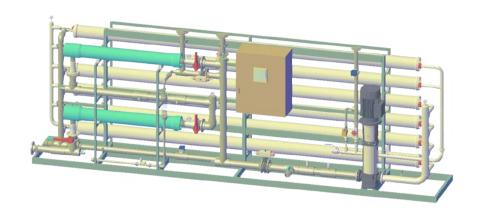
PRODUCT DESCRIPTION

Result of many years of experience, the **Ovivo LE 8** range combines compactness, ease of use and high treatment performance.

Equipped with low energy 8" reverse osmosis membranes, the **Ovivo LE 8** RO systems are controlled by a PLC with colour touchscreen and an intuitive menu allowing the adjustment of all the operating parameters. The critical parameters such as the conductivity and the flow rates are distinctly displayed together with adjustable alarm thresholds.

As an option, the **Ovivo LE 8** RO systems can be completed with pretreatment systems integrated on a stainless steel skid and compatible to the raw water specifications (pre-filtration, softening, chemical conditioning, dechlorination...)

An independant Clean-In-Place (CIP) equipment is also available.



SPECIFICATIONS

 1μ pre-filtration with isolating valve and upstream/dowstream pressure gauges

Automatic inlet butterfly valve

Adjustable low inlet pressure switch

Multi-stage vertical pump

Valve to adjust the service pressure with pressure gauge

Fiberglass membrane housings

Low energy 8" membranes

Conductivity probe

Stainless steel concentrate and recirculation globe valves

Flush solenoid valve

Impulse turbine to measure the permeate flow rate

Impulse turbine to measure the concentrate and recirculation flow rates

PVC Connection valve for the CIP

Butterfly valve to drain permeate line

PLC with colour touchscreen 10"

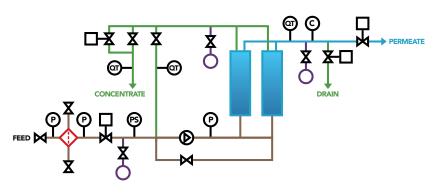
Electrical enclosure 400V+GND





OPERATING PARAMETERS

Feed pressure min/max	2/5 bars (30/72 PSI)	
Maximum temperature	37°C (98°F)	
TDS max	< 2000ppm	
Iron+Manganese concentration	<0.1ppm	
SDI15 (fouling index)	< 3	
Organic matter	< 3ppm	
Free chlorine	<0.1ppm	
Minimum rejection	99.1%	



TECHNICAL DATA

	OVIVO LE 8-25	OVIVO LE 8-30	OVIVO 8-35
Permeate flow rate at 15°C for 500 ppm*	25 m³/h (110 GPM)	30 m³/h (132 GPM)	35 m³/h (154 GPM)
Concentrate flow rate	8.3 m³/h (36.5 GPM)	10.0 m³/h (44 GPM)	11.7 m³/h (51.5 GPM)
Feed flow rate	33.3 m³/h (146.6 GPM)	40.0 m³/h (176 GPM)	46.7 m³/h (205.6 GPM)
Recovery	75%	75%	75%
Number of membranes	20	25	30
Service pressure	12 bar (174 PSI)	12 bar (174 PSI)	12 bar <i>(174 PSI)</i>
Permeate counter pressure	0.5 bar (7.25 PSI)	0.5 bar (7.25 PSI)	0.5 bar (7.25 PSI)
Power (kW)	18.5	22	22
Electrical supply	3 x 400V	3 x 400V	3 × 400V
Dimensions			
Length	6000 mm (236.22")	6000 (236.22")	6000 (236.22")
Depth	1100 (43.3")	1100 (43.3")	1100 (43.3")
Height	2100 (82.67")	2100 (82.67")	2100 (82.67")

^{*} The permeate flow rate varies with the water temperature, approximately 3% per $^{\circ}\text{C}.$

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