

REVERSE OSMOSIS: OSMOSTAR EDF

The OSMOSTAR EDF range is a new series of durable reverse osmosis units specially designed for applications where treated water is required at pressure, such as in certain humidification processes. The unit operates at between 60 and 100% variable flow at a constant working pressure between 2 and 7 bar and is kept constant by means of a frequency driven pump.

The OSMOSTAR EDF is suitable for capacities of up to 2250 litres of treated water per hour. Larger capacity units are available on request.

A prime consideration during the development of the OSMOSTAR EDF was to limit the effect on climate and environment by reducing the water and energy consumption during operation.

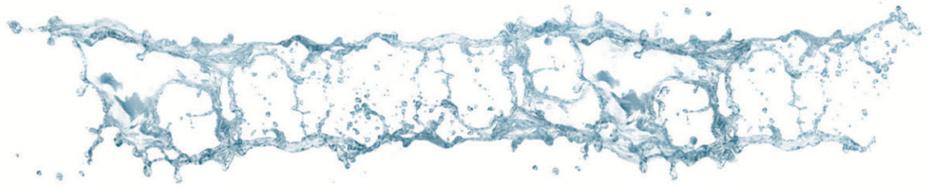
The OSMOSTAR EDF provides you with

- Huge savings in energy and water consumption
- Solid, compact installation on a stainless steel frame
- Constant permeate pressure -adjustable between 2 and 7 bar
- Membrane casing made from stainless steel
- Automatic membrane rinsing when stationary
- Permeate quality monitoring
- Microprocessor with automatic monitoring and the option of volt-free contact for use with BMS
- Conductivity monitoring in permeate pipeline
- Accurate temperature compensated conductivity measurements
- Appliance easy to install and immediately ready for permeate production
- Maintenance-free installation

Eco-Friendly Design

- Up to 25% Water Saving
- A minimum 40% Energy Saving
- No reduction in Water Quality





PRODUCT RANGE DATA

MODEL	Capacity ¹ at 15°C l/h	Raw water supply ² l/h	Power Supply	Power kW	Weight ³ Kg	Dimensions (w x d x h) mm	Recommended water softener at 10°dH
EDF 75	75	100	230V/1Ph/50Hz	1.1	125	650x650x1900	B 45 DV
EDF 150	150	200	230V/1Ph/50Hz	1.1	135	650x650x1900	B 45 DV
EDF 230	230	310	230V/1Ph/50Hz	1.1	140	650x650x1900	B 45 DV
EDF 350	350	470	415V/3Ph/50Hz	2.2	150	650x650x1900	B 100 DV
EDF 520	520	700	415V/3Ph/50Hz	1.5	155	650x650x1900	B 100 DV
EDF 700	700	940	415V/3Ph/50Hz	2.2	165	650x650x1900	B 100 DV
EDF 700	700	940	415V/3Ph/50Hz	2.2	165	650x650x1900	B 100 DV
EDF 1250	1250	1670	415V/3Ph/50Hz	2.2	190	650x650x1900	B 150 DV
EDF 1500	1500	2000	415V/3Ph/50Hz	2.2	205	650x850x1900	B 200 DV
EDF 1700	1700	2270	415V/3Ph/50Hz	2.2	220	650x850x1900	B 250 DV
EDF 1900	1900	2540	415V/3Ph/50Hz	2.2	235	650x850x1900	B 250 DV
EDF 2250	2250	3000	415V/3Ph/50Hz	2.2	250	650x850x1900	B 300 DV

Dimensions shown are for reference only. Contact Lubron for certified drawings.

- 1 Dependent on water quality, water pressure and temperature.
- 2 On the strength of 75% recovery, possibly dependent on the water quality.
- 3 Including residual water present after testing and excluding optional permeate pump.

WATER CONNECTIONS AND REQUIREMENTS

Water-side connections

Water supply	
EDF 75 - EDF 1250	DN20
EDF 1500 - EDF 2250	DN25
Permeate outlet	DN 20
Drain connection	DN 32

Quality requirements of raw water

Supply pressure	2 - 4 bar
Max Working pressure (variable)	14 - 16 bar
Water temperature	5 - 25°C
Completely softened mains water	
TDS < 1000 mg/l and chloride-free	

AVAILABLE OPTIONS

- RS232 BMS connection
- Castors
- Integral Ultraviolet Unit
- Additional Permeate Pump

LUBRON UK LIMITED reserve the right to change equipment specification without prior notice, as part of our continuous product development programme.



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LUBRON UK LTD
 Lubron House
 8 Challenge Way, Hythe Hill
 Colchester, Essex CO1 2LY
 Tel: +44 (0)1206 866444
 www.lubron.co.uk