

Industrial Reverse Osmosis systems, DELUX series

Description:

The EKO-OSMO DELUX systems we manufacture are compact reverse osmosis devices used in industrial installations for desalination / demineralization of water.

We manufacture the offered RO systems based on our projects based on our many years of experience. We also carry out projects according to the investor's (OEM) guidelines, so as to best adapt the station parameters to the clients' expectations.



EKO OSMO DELUX 4K



Advantages:

- High quality.
- Solid construction made of stainless steel.
- Ergonomic housing, space saving and easy maintenance.
- Modern design.



Application:

- electronics industry,
- pharmaceutical industry,
- food industry,
- chemical industry,
- gastronomy industry,
- in laboratories,
- in car washes,
- and in many other enterprises where high water quality matters.



Equipment:

- pre-filter (pipe body with a mechanical insert of 5 microns),
- stainless steel frame,
- device capacity from 100 l/h to 600 l/h,
- flow meters for flow measurement (concentrate, permeate and recirculate),
- measurement of inlet pressure and working pressure,
- needle control valve for concentrate and recirculate,
- protection against low and high pressure and against leakage on parts of the high pressure system (*pressure transducers),
- power supply solenoid valve,
- three-float system (maximum, medium and minimum float),
- protection of the device against the lack of an anticluster,
- protection against dry running of the hydrophore,
- stainless steel high pressure pump,
- conductivity meter conductivity meter 0-200,
- control cabinet with Siemens LOGO controller.

* at the investor's request, we replace the transducers with DANFOSS pressure switches (no leakage protection).

Optional equipment:

It is possible to customize the product according to the investor's requirements, e.g. replacing existing components with other components or adding elements such as:

- siemens text panel,
- recirculation rotameter,
- other items of equipment.

Our company also deals with the modernization and automation of RO systems.

Our partners:





MODEL	EKO OSMO DELUX 2K	EKO OSMO DELUX 4K	EKO OSMO DELUX 7K	EKO OSMO DELUX 14K
Maximum capacity (l/h) *	100	200	300	600
Number of modules	1 x 2540	2 x 2540	1 x 4040	2 x 4040
Dissolved salt reduction (%)	98,4 do 99,5%			
Recovery (%)	50 do 70			
Feed water connection (inch)	1/2			
Permeate and concentrate connections (inch)	1/2 MIP x 1/4 FIP			
Power supply (V/Hz)	230/50			
Pump motor power (kW)	0,37		0,55	0,75
Height (mm)	1400		1450	
Width (mm)	640			
Depth (mm)	485			

* the given efficiency is obtained at a water temperature of 15 C.
The systems we produce require proper water preparation depending on its chemical composition.

