

E-series S

small reverse osmosis machines, 200 to 300 liters per hour



Figure 1 : E2 CE Series

When you mention reverse osmosis (RO), SUEZ is the first name to come to mind. Our E-series RO machines (Figure 1) are designed for durable operation, high quality product water production, easy installation, and straightforward control.

general properties

Typical Applications

- Process ingredient water
- Rinse water
- Food ingredient water
- Safe drinking water
- Boiler feed water
- Ion exchange pre-treatment

Standard Features

- Polypropylene frame
- 5-micron pre-filter
- Automatic inlet shut-off valve
- Permeate and Concentrate flow meters
- Pre/post-filter, and primary pressure gauges
- Digital conductivity meter with temperature sensor
- Ball valves for regulation of pressure and concentrate flow
- Microprocessor control panel with one potential free contact for remote alarm, dosing pump or level control for permeate tank

Table 1: Operating Parameters

Average Operating Pressure	7-15 bars
Recovery	65-75%
Nominal Rejection	90-95%
Operating Temperature	5-35 °C
Inlet Pressure	3-6 bars
Design Temperature*	15 °C

* Varying the operating temperature will affect machine productivity

Table 2: Materials of Construction

Frame	Polypropylene
Membrane Elements	AK2540TM (E2-CE-200-S) AK4040TM (E4-CE-300-S)
Membrane Housing	Fiberglass Reinforced Plastic
Piping	PN 16
Cartridge Filter	Hytrex*, 5 micron

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Table 3: E-Series S Specifications - CE 50 Hz

Model	E2-CE-200-S	E4-CE-300-S
Part Number:	3020805	3020806
Flow Specifications		
Recovery:	~65%	~75%
Permeate Rate: l/h (gpd)	200 (1268)	300 (1902)
Concentrate Rate: l/h (gpd)	108 (685)	100 (634)
Pump and Power		
Power Supply:	1/230 VAC/50 Hz	1/230 VAC/50 Hz
Power Consumption:	0.55 kW	1.1 kW
Pump Manufacturer:	Procon	KSB
Pump Model:	104B215F11BA	Movitec VF2-11
Membrane Elements and Filters		
Quantity:	2	1
Array:	1-1	1
Pre-Filter Model:	Hytrex GX 05- 4 7/8	Hytrex GX 05- 4 7/8
Pre-Filter Quantity :	1	1
Connections		
Inlet:	DN 15	DN 15
Permeate:	DN 10	DN 15
Concentrate:	DN 10	DN 15
Dimensions & Weights		
Height: mm (inch)	1400 (55)	1500 (59)
Width: mm (inch)	500 (19.7)	600 (23.6)
Depth: mm (inch)	320 (12.6)	400 (15.7)
Shipping Weight Estimate: kg (lb)	90 (200)	115 (255)