

E2 Series 60 Hz

Reverse Osmosis Machine 375 to 2535 gallons per day



Figure 1: E2 Series

When you mention reverse osmosis (RO), GE Water & Process Technologies 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
- Safe drinking water
- Spot free rinse water
- Ion exchange pre-treatment
- R & D lab use

Standard Economy Features

- 5-micron pre-filter
- Automatic inlet shut-off valve
- Remote machine on/off capability
- Operating pressure gauge
- Flow control center including concentrate and recycle valves

Deluxe (DLX) Features – In addition to ECN Features

- Low inlet pressure switch
- Conductivity meter
- Stainless steel pump
- Permeate and concentrate flow meters

Table 1: Operating Parameters

Operating Pressure	200-220 psig
Maximum Recovery	50%
Nominal Rejection	95-98%
Operating Temperature	55-85 °F
Minimum Inlet Pressure	30 psig
Design Temperature	77 °F



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Table 2: Materials of Construction

Frame	Painted Carbon Steel
Membrane Elements	Desal AG2521TF or AG2540TF
Membrane Housing	Stainless Steel
Tubing	Polyethylene

Table 3: Pump and Motor

Pump Type	Rotary vane
Motor	1-phase, ODP, 110 VAC

Table 4: E2 Specifications - 60 Hz

Model	E2-0375	E2-0750	E2-1125	E2-1690	E2-2535
ECN	1226251	1226259	1226261	1226269	1226274
DLX	1226252	1226260	1226262	1226270	1226275
Flow Specifications					
Recovery Range:	33-50%	33-50%	33-50%	33-50%	33-50%
Permeate Rate: gpm (m ³ /h)	0.3 (0.07)	0.5 (0.11)	0.9 (0.20)	1.2 (0.27)	1.8 (0.40)
Concentrate Rate: gpm (m ³ /h)	0.3-0.2 (0.07-0.04)	0.5-0.3 (0.11-0.07)	0.9-0.6 (0.2-0.13)	1.2-0.8 (0.27-0.18)	1.8-1.2 (0.40-0.27)
Pump and Motor					
Pump	Procon Series 2 or 3			Procon Series 4 or 5	
Motor: HP (KW)	0.5 (0.37)	0.5 (0.37)	0.5 (0.37)	0.75 (0.56)	0.75 (0.56)
Membrane Elements					
Quantity	1	2	3	2	3
Array	1	1-1	1-1-1	1-1	1-1-1
Element Model	AG2521TF	AG2521TF	AG2521TF	AG2540TF	AG2540TF
Connections					
Inlet, Permeate, & Concentrate: inch (cm)	0.38 (0.95)	0.38 (0.95)	0.38 (0.95)	0.38 (0.95)	0.38 (0.95)
Dimensions & Weights					
Height: inch (cm)	30 (76)	30 (76)	30 (76)	51 (130)	51 (130)
Width: inch (cm)	18 (46)	18 (46)	18 (46)	18 (46)	18 (46)
Depth: inch (cm)	15 (38)	15 (38)	15 (38)	15 (38)	15 (38)
Shipping Weight Estimate: lb (kg)	50 (20)	55 (25)	60 (30)	75 (35)	85 (40)

