

EZ2 Kit, 60 Hz

Reverse Osmosis Machine 375 to 2535 gallons per day

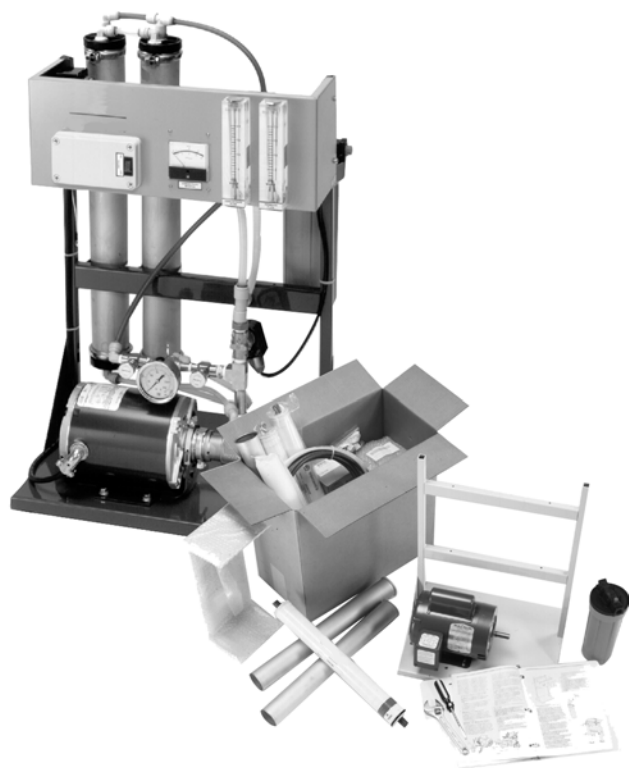


Figure 1: EZ-2 Kit 60 Hz

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

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

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 AG2521TM or AG2540TM
Membrane Housing	Stainless Steel
Tubing	Polyethylene

Table 3: Pump and Motor

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

Table 3: E22 Specifications - 60 Hz

Model		E2-0375	E2-0750	E2-1125	E2-1690	E2-2535
Part Number	ECN	1226221	1226229	1226231	1226239	1226244
	DLX	1226222	1226230	1226232	1226240	1226245
Recovery Range		33-50%	33-50%	33-50%	33-50%	33-50%
Permeate Rate	gpm	0.3	0.5	0.9	1.2	1.8
	(m ³ /hr)	(0.07)	(0.11)	(0.20)	(0.27)	(0.40)
Concentrate Rate	gpm	0.6-0.3	1.0-0.5	1.8-0.9	2.4-1.2	3.7-1.8
	(m ³ /hr)	(0.13-0.07)	(0.22-0.11)	(0.40-0.20)	(0.5-0.27)	(0.80-0.40)
Pump and Motor						
RO Motor	HP (KW)	0.5 (0.37)	0.5 (0.37)	0.75 (0.55)	0.75 (0.55)	0.75 (0.55)
Membrane Elements						
Membrane Model		AG2521TM	AG2521TM	AG2521TM	AG2540TM	AG2540TM
Number of elements		1	2	3	2	3
Array		1	1-1	1-1-1	1-1	1-1-1
Piping						
Inlet	inch (cm)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)
Permeate	inch (cm)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)
Concentrate	inch (cm)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)	.38 (0.95)
Approximate Overall Dimensions						
Height	inch (cm)	30 (76)	30 (76)	30 (76)	30 (76)	30 (76)
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)
Approximate Shipping Weight						
	lbs	50	55	60	75	85
	(kg)	(20)	(25)	(30)	(35)	(40)

