

EZ2 Kit, 50 Hz

Reverse Osmosis Machine 1.7-9.6 cubic meters per day



Figure 1: EZ2 Kit

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	14-15 bar
Maximum Recovery	50%
Nominal Rejection	95-98%
Operating Temperature	13°C-30°C
Minimum Inlet Pressure	2 bar
Design Temperature	25°C



Find a contact near you by
visiting ge.com/water or
e-mailing custhelp@ge.com.

Global Headquarters
Trevose, PA
+1-215-355-3300

Americas
Watertown, MA
+1-617-926-2500

Europe/Middle East/Africa
Heverlee, Belgium
+32-16-40-20-00

Asia/Pacific
Shanghai, China
+86 (0) 411-8366-6489

©2008, General Electric Company. All rights reserved.

*Trademark of General Electric Company; may be registered in one or more countries.

FS1138EN Mar-08

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, 220 VAC

Table 4: EZ2 Specifications - 50 Hz

Model		E2-0375	E2-0750	E2-1125	E2-1400	E2-2100
Part Number	ECN	1226223	1226226	1226233	1226236	1226241
	DLX	1226224	1226227	1226234	1226237	1226242
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)