

EZ2 Kit, 50 Hz

Reverse Osmosis Machine 1.7-9.6 cubic meters per day

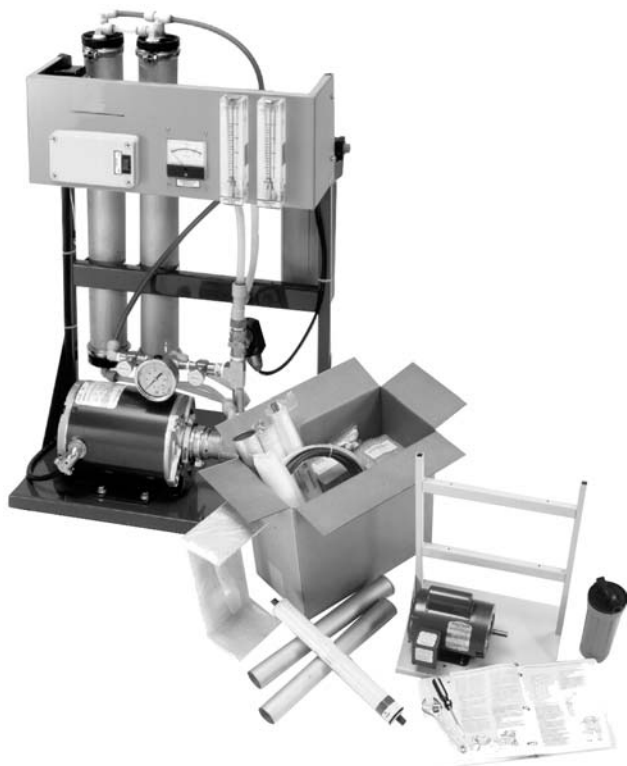


Figure 1: EZ2 Kit

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 |



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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, 220 VAC |

Table 4: E22 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) |

