

E-Series

General Industrial Equipment

"E" stands for Excellence

GE Water & Process Technologies has come a long way from pioneering RO technology back in 1969. GE is now leading the commercialization of RO technology to ensure faster delivery rates, ease of operation and straight-forward controls.

Today, the E-Series line represents excellence in standard industry RO machines. When purchasing an E-Series, you get the time-saving simplicity and service to make selection, delivery and installation, as easy as shopping in your local appliance store. Unmatched product and technical support is available 24 hours a day. And since GE manufactures all the critical components and integrates them into the E-Series line, you save money.

For years, loyal GE customers have associated the E-Series name with quality, durability and simplicity. But it's time for us to set the record straight. The "E" in our E-Series name actually stands for many things.

E8

Like all of our standard RO machines, the E8 RO (Figure 1) comes completely assembled, ready for use. E8 models are available in configurations ranging from 57,000 to 144,000 gpd (9 to 23 m³/hr). All machines come standard with a Tonkaflo* multi-stage centrifugal and packed with Desal* membrane elements. The smart controls keep it simple and operate the entire system. Plus, our E8 ROs are priced for the budget-conscious consumer.



Figure 1: E8

More features that make the E8 your best choice:

- Appliance-like selection. Complete systems delivered skid-mounted, ready to use.
- No assembly; plug-and-play simplicity.
- Easy to order.
- Just one part number per machine.
- Complete factory support for any and all inquiries.

Sample of Ideal Applications:

- Boiler feedwater
- Safe drinking water
- Process ingredient water
- Ion exchange pre-treatment

"E" is for Endurance

Precise engineering results in machines that are efficient and dependable for years of worry-free use. And now, it's all packaged in a cost-effective machine for a variety of RO uses. It's called the E4.

E4 and E4H

The E4 and E4H RO machines (Figures 2 and 3) are constructed with the same advanced technology GE has been building on for years and backed by the same expertise that goes into our high-end medical market and large industrial.

Many E4 and E4H models are available in configurations ranging from 1,800 to 43,200 gpd (0.3 to 6.8 m³/hr). Features include:

- Pre-engineered standard configurations.
- All models available in economy (ECN) and deluxe (DLX) packages to suit virtually any RO need. ECN models include instrumentation packages that are considered "extras" on competitors' equipment.
- All models utilize multi-stage centrifugal pumps.



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- Variable concentrate and recycle flow control valves provide system flexibility.
- Vertical frame design of E4 provides high-volume output with a small installation footprint.

Sample of Ideal Applications

- Car Wash
- Whole home or office RO
- Product dilution or mixing
- Spot free product rinses
- Restaurant/Grocery



Figure 2: E4



Figure 3: E4H

“E” is for Economic

Our E-Series machines are designed to offer customers a competitive, but high quality RO system that offers more value than the competition, and still fits in your budget. The E2 is a perfect example. (Figure 4)

E2

The E2 is simply a cost-effective RO machine for a variety of uses. Variable concentrate and recycle

flow control valves give performance flexibility. The tremendous water savings also reduces the cost of operation.

The E2 is available in configurations ranging from 375 to 2,535 gpd (0.06 to 0.33 m³/hr), making it ideal for applications such as whole home RO, metal plating, car wash, restaurant, greenhouse watering, grocery stores and much more. Features include:

- All models available in economy (ECN) and deluxe (DLX) packages to meet any budget and operational requirement. ECN models include instrumentation packages that are considered “extras” on competitors' equipment.
- Small compact design provides high-quality, high-volume output
- Smart packaging ensures major components are easily accessible

Sample of Ideal Applications

- Greenhouse watering
- Car Wash
- Grocery stores



Figure 4: E2

“E” is for Ease

E-series machines have been designed with the owner in mind. We have over 30 years of experience, which help us choose the proper controls, instruments and alarms for optimum operation and worry-free control. While engineering our E-Series line, we also kept the installation requirement in mind and worked to keep the systems compact for initial installation and minimization of floor space (a precious commodity in any plant.)

EZ Kits

With flow rates ranging from 375 to 10,800 gallons per day, GE offers EZ Kits (Figure 5), quality RO kits in a pre-engineered package that comes ready-to-assemble with the help, guidance and expertise of a qualified water conditioning professional. All kits are packaged for shipment by ground, air, or ocean freight.



Figure 5: EZ Kit

EZ Kit features include:

- Simple, adjustable flow controls, providing you with the versatility to make easy adjustments.
- Quiet centrifugal pumps minimize noise in larger RO units
- High-quality construction features stainless steel membrane housings ensures years of dependable performance.
- Expandable design lets you enlarge your basic unit by adding more GE membrane elements and, in some cases, a larger pump.
- Space-saving configuration keeps all components within the supporting frame for compact installations.
- Optional electrical and upgrade from economy to deluxe design.

EZ-2 Kits are available with flow rates ranging from 375 to 2535 gpd (58 to 400 Lph), utilize 2.5 inch diameter GE membrane(s) and GE housing(s).

EZ-4 Kits are available with flow rates ranging from 1500 to 10,800 gpd (236 to 1700 Lph), utilize a 4.0-inch diameter Desal membrane(s) and GE housing(s).

Additional features include Hytrex* sediment filtration, fully adjustable flow controls, and GE's exclusive, efficient water saving design. Available options include automatic ON/OFF controllers and pump upgrades, along with flow meter and low inlet pressure switch kits.