

Series C

Reverse Osmosis System.

- Heavy duty polyurethane-coated frame
- Spiral wound, TFC, membranes
- Stainless steel pressure vessels
- Rotary-vane positive displacement pump
- Feed water low pressure shut down for pump protection
- Nylon high pressure tubing
- Pump and pressure gauge



Reverse osmosis is a membrane separation process used for removing dissolved salts, organics, microorganisms, and particulates from water. In natural osmosis, the net transfer of water molecules across the membrane is from the side of the membrane with the more dilute salt concentration. In reverse osmosis, feed water with dissolved salts (solutes) flows under high pressure across the surface of the membrane overcoming the natural osmotic pressure and allowing water to permeate from the brine side of the membrane to the pure water side of the membrane.

The Series C Reverse Osmosis System produces Type III or IV Reagent Grade Water and is ideal for central water purification. It provides an economical source of pretreated water for supplying multiple point-of-use polishing systems. Reverse osmosis can extend the available throughput of cartridge deionization systems by as much as 6 to 8 times, greatly improving the economy of operation and the water quality.



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