



EPRO™ SW – Reverse Osmosis (RO) Systems for Residential and Commercial Applications

EPRO™ SW systems are designed to maximize water purification efficiency and produce high-quality clean water from tap water, brackish water, and **seawater**. After removing impurities such as salts, bacteria, and dissolved solids, clean water is supplied through existing taps (faucets) for use in residences and commercial applications.

Features

- Complete RO systems with efficient, high quality pumps, motors, and membranes for **energy savings and low maintenance**
- Up to **99.8%** purification rate² provides **clean water** and improved wash/rinse characteristics, reducing service cost of equipment and appliances by removing harmful chemicals and minerals
- Up to **45% recovery** rates³ minimize water waste
- Compact, pre-assembled design enables **installation in under 2 hours**, limiting start-up costs and space requirements

Applications

- Desalination and Purification of home, business, or commercial use water supply
- Laundries and cleaners
- Misting, humidification
- Nurseries, greenhouses



EPRO 6000SW



Technical Specifications (Standard on EPRO SW Systems)

- **Product flow rate:** from 1000 to 6000 GPD¹ (3.8-22.7 m³/day)
- **Purification rate:** up to 99.8%²
- **Recovery rate:** approx. 45%³
- **Pump:** Danfoss ultra-quiet 2205 duplex stainless steel
- **Other standard features:**
 - 2205 duplex stainless steel high-pressure piping
 - Automatic feed/source shutoff
 - Low pressure switch
 - High pressure relief safety valve
 - Product TDS meter
 - Liquid-filled pressure gauges
 - Permeate flush
 - 1 micron sediment pre-filter
 - 208-230/460 V 3 phase 60 Hz TEFC motor

Dimensions (Fully Assembled)

- W x D x H: 33"x34"x66" (84cm x 86cm x 168cm)

Warranty

- **One year** limited manufacturer's warranty on parts & labor

Options

- Chemical dosing mechanism
- 208-230/460 V 3 phase 50 Hz TEFC motor
- Other options are available – please consult your local EPRO Representative

| EPRO SW Specifications | | | | | | |
|------------------------|--|-------------------------------------|---------------------|--------------------------------|------------------------------------|------------------|
| System | Flow Rate (GPD / m ³ / day) | Max. Operating Pressure (PSI / kPa) | Inlet Size (inches) | Membrane Dimensions / Quantity | Nominal Recovery (without recycle) | Motor Horsepower |
| EPRO 1000SW | 1000 / 3.8 | 900 / 6307 | 3/4" | 4" x 40" / 1 | 14% | 3 |
| EPRO 2000SW | 2000 / 7.6 | 900 / 6307 | 3/4" | 4" x 40" / 2 | 24% | 3 |
| EPRO 3000SW | 3000 / 11.4 | 900 / 6307 | 3/4" | 4" x 40" / 3 | 32% | 5 |
| EPRO 4000SW | 4000 / 15.1 | 900 / 6307 | 1" | 4" x 40" / 4 | 38% | 7.5 |
| EPRO 5000SW | 5000 / 18.9 | 900 / 6307 | 1" | 4" x 40" / 5 | 42% | 7.5 |
| EPRO 6000SW | 6000 / 22.7 | 900 / 6307 | 1" | 4" x 40" / 6 | 45% | 10 |

Important

Specifications are subject to change without notice. Systems shown with options. Contact your EPRO Representative for the latest options and specifications.

Stated rates are based on 60Hz application and feed water TDS of 35,000 PPM at 77° F (25° C). While all EPRO systems are equipped with an integral pre-filter, a separate and properly sized multimedia filter (or equivalent pre-treatment equipment) should be used to protect the RO pump and membranes from coarse particles. Please ask your local representative about the selection of appropriate pre-treatment equipment.

¹ Varies with size of system.

² Based on membrane manufacturer's specifications. Actual purification rates will vary with system configuration and feed/source water quality.

³ Recovery rates will vary with system configuration and feed/source water quality. Systems without waste water recycling will have lower recovery rates.

Water should be tested before consumption.

