



EPRO™ Commercial Reverse Osmosis (RO) Systems

EPRO™ Commercial Systems are designed to maximize water purification efficiency. Available models offer a choice of flow rates and configurations for removal of dissolved solids and other impurities from tap water or brackish water. Purified high-quality water is supplied to your application at existing point of use.

Features

- Built for reliability and durability, the EPRO systems are equipped with efficient, high quality pumps, motors, and membranes for **energy savings and low maintenance**
- Up to **99.4% purification rate**² provides clean water and improved wash/rinse characteristics, reducing service cost of equipment and appliances by removing harmful chemicals and minerals
- Up to **80% recovery rates**³ minimize water waste
- Complete RO system shipped pre-assembled to enable **fast installation**, limiting start-up costs and space requirements

Typical Applications

- Carwash rinse water (for spot-free shine)
- Laundries and cleaners
- Food and beverage production, bottling
- Pharmaceutical production/laboratories
- Paint and assembly
- Electronics fabrication
- Boiler & cooling tower makeup water
- Misting, humidification
- Nurseries, greenhouses



Technical Specifications (Standard on EPRO Commercial RO Systems)

- **Product flow rate:** from 11,500 to 24,500 GPD¹ (43.5-92.7 m³/day.)
- **Rejection rate:** up to 99.4%²
- **Recovery rate:** up to 80%³
- Configurable to match specified rejection rate and other clean water characteristics
- Carbon steel frame
- Multifunction electronic control unit
- Automatic feed water shutoff
- Stainless steel centrifugal pump
- Permeate, concentrate, and recycle flow meters
- Liquid-filled pressure gauges
- 5 micron sediment pre-filter
- Fiberglass reinforced plastic pressure vessels
- Concentrate and recycle control valves
- 230/460 V 3-phase TEFC 60 Hz motor

Dimensions (Fully Assembled)

- W x D x H: 37"x64"x68.5" (94cm x 163cm x 174cm)

Warranty

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

Options

- Service maintenance contract
- Auto flush (feed or permeate)
- pH monitor/controller
- Chemical dosing
- Digital TDS monitor
- Coldwater and high-efficiency membranes
- 230/460 V 3-phase TEFC 50 Hz motor
- Other options are available – please consult your local EPRO Representative

EPRO COMMERCIAL 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 11500	11,500 / 43.5	200 / 1480	1.5"	4" x 40" / 7	40%	5
EPRO 13000	13,000 / 49.2	200 / 1480	1.5"	4" x 40" / 8	45%	5
EPRO 14500	14,500 / 54.9	200 / 1480	1.5"	4" x 40" / 9	50%	5
EPRO 16000	16,000 / 60.6	200 / 1480	1.5"	4" x 40" / 10	50%	5
EPRO 17500	17,500 / 66.2	200 / 1480	1.5"	4" x 40" / 11	50%	5
EPRO 19000	19,000 / 71.9	200 / 1480	1.5"	4" x 40" / 12	50%	7.5
EPRO 20500	20,500 / 77.6	200 / 1480	1.5"	4" x 40" / 13	50%	7.5
EPRO 21500	21,500 / 81.4	200 / 1480	1.5"	4" x 40" / 14	50%	7.5
EPRO 23000	23,000 / 87.1	200 / 1480	1.5"	4" x 40" / 15	70%	7.5
EPRO 24500	24,500 / 92.7	200 / 1480	1.5"	4" x 40" / 16	70%	7.5

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 500 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.



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