



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

EPRO™ systems are designed to maximize water purification efficiency. Available models offer a choice of flow rates and configurations for removal of impurities such as bacteria and dissolved solids from tap water or brackish water. Purified high-quality 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 **99.4%** purification rate² provides **clean water** with improved wash/rinse characteristic reducing service cost of equipment and applica by removing harmful chemicals and minerals
- Up to **50% recovery** rates³ minimize water wa
- Compact, pre-assembled design enables **installation in under 2 hours**, limiting start-up costs and space requirements

Applications

- Purification of home water supply
- 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
- Commercial printing



EPRO 600A

Technical Specifications (Standard on EPRO A Systems)

- **Product flow rate:** from 600 to 1,500 GPD¹ (2.27-5.68 m³/day)
- **Purification rate:** up to 99.4%²
- **Recovery rate:** up to 50%³
- 65 gallon atmospheric storage tank
- Pure water dispenses from threaded tap on front panel
- Automatic feed water shutoff valve
- Automatic tank level control (RO refills tank)
- Flow meters for product and discarded water
- Liquid filled pressure gauges
- Electronic controller with low-flow switch
- 5 micron sediment pre-filter
- Self-priming pump dispenses 3 GPM at 50 PSI (0.01 m³ /min. at 446 kPa)
- 110/220 V 1 phase 60 Hz TEFC motor

Dimensions

- W x D x H: 23"x23"x40" (58cm x 58cm x 125cm)

Warranty

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

Options

- Coldwater membranes (when using cold water source)
- Digital TDS monitor on control box
- Recycle flow meter and throttling valve
- Permeate and auto-flush
- Higher-volume dispensing pumps
 - 4 GPM at 50 PSI
 - 9 GPM at 30 PSI
 - (0.015 m³ at 446 kPa; 0.034 m³ at 308 kPa)
- 110/220 V 1 phase 50Hz TEFC motor
- Other options are available – please consult your local EPRO Representative

EPRO A 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 600A	600 / 2.3	180 / 1342	1/2"	2.5" x 40" / 1	25%	1/3
EPRO 1200A	1200 / 4.5	180 / 1342	1/2"	2.5" x 40" / 2	40%	1/2
EPRO 1500A	1500 / 5.7	180 / 1342	3/4"	4" x 40" / 1	25%	1

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.

