



# 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 rate<sup>2</sup> provides **clean water** with improved wash/rinse characteristics reducing service cost of equipment and appliance by removing harmful chemicals and minerals
- Up to **50% recovery** rates<sup>3</sup> minimize water waste
- Compact, preassembled 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**



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## Technical Specifications (Standard on EPRO A Systems)

- **Product flow rate:** from 600 to 1,500 GPD<sup>1</sup> (2.27-5.68 m<sup>3</sup>/day)
- **Purification rate:** up to 99.4%<sup>2</sup>
- **Recovery rate:** up to 50%<sup>3</sup>
- 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 m<sup>3</sup> /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 m<sup>3</sup> at 446 kPa; 0.034 m<sup>3</sup> 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 <sup>3</sup> / 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.

<sup>1</sup> Varies with size of system.

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

<sup>3</sup> 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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