



EPRO™ XP Reverse Osmosis (RO) Systems For Residential & Commercial Applications

EPRO™ XP 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 include repressurization and storage tanks, and are equipped with efficient high-quality pumps, motors, and membranes for **energy savings and low maintenance**
- Up to **99.4%** 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 **80% recovery** rates³ 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 4500XP

Storage tank and repressurization tank are included [not shown].



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Technical Specifications (Standard on EPRO XP Systems)

- **Product flow rate:** from 600 to 10,000 GPD¹ (2.27-37.85 m³/day)
- **Purification rate:** up to 99.4%²
- **Recovery rate:** up to 80%³

Complete System (RO, Atmospheric Storage Tank, and Repressurization Tank Included)

- **Tank:** 300 gal. [polypropylene storage tank]
- **Repressurization:** 20 gallon (0.076 m³) bladder tank with 7.4 gallon (0.028 m³) drawdown at 20-40 psi (238-377 kPa) standard; (22.9 or 31.5 gallon [0.087-0.12 m³] drawdown available)
- **Pump:** ¾ HP jet repressurization – 9 GPM at 30 psi and 4 GPM at 50 psi (0.034 m³/min. at 308 kPa; 0.015 m³/min. at 446 kPa) standard [additional specifications available]
- **Other standard features:** Pressure switch, pressure gauge, installation parts kit

Diagram Legend

- | | |
|--|-----------------------------|
| 1. RO inlet | 8. Atmospheric storage tank |
| 2. Permeate line | 9. Check valve |
| 3. Inlet solenoid and valve | 10. Suction line |
| 4. Lead from RO motor or control box to float switch | 11. Pressure tank |
| 5. Lead to electric power source | 12. Pump and motor |
| 6. Atmospheric storage tank access | 13. Pressure switch |
| 7. Float switch | 14. Point of use (POU) |
| | 15. Pressure gauge |
| | 16. Float switch |

Dimensions (Fully Assembled)

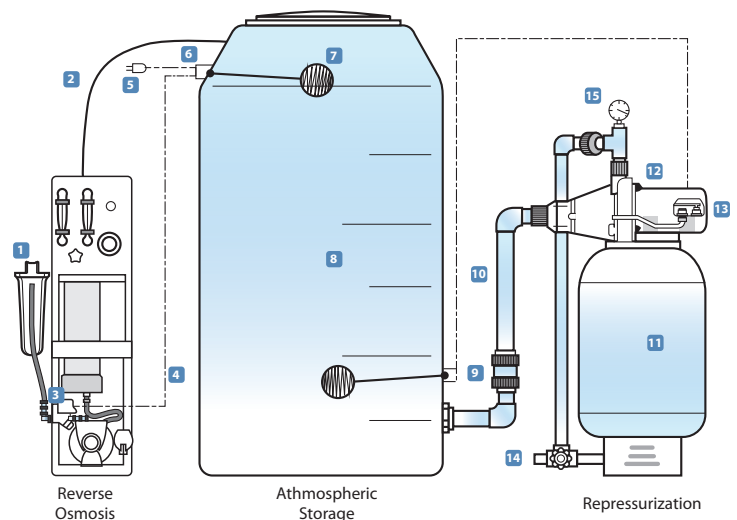
- W x D x H: 35"x18"x52" (90cm x 46cm x 132cm)

Warranty

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

Options

- High/low tank liquid level controller (auto on/off)
- Bulkheads installed in tank
- Tank size range from 65 – 9,000 gallons (0.25-34 m³)
- 220 V 1 phase 50 Hz TEFC motor
- Other options are available – please consult your local EPRO Representative



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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