



# EPRO™ Reverse Osmosis (RO) Systems for Commercial Cannabis Applications

## The Proven Choice for a Growing Industry.

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.

### EPRO™ Features

- Produce **low TDS water** that's optimal for cannabis cultivation
- **Increased harvests** with low TDS bacteria-free water
- **Reduces equipment-clogging** contaminants
- **Consistency in water** for every crop – year after year
- **High recovery rates** for optimal water conservation
- Water quality meter for Instantaneous readings

“*Reverse Osmosis has been the go-to technology to produce low TDS water suitable for cannabis cultivation*”

Bluefield Research Study, August 2017



**EPRO Reverse Osmosis System**



800.828.2447 | 941.480.9101 | [eprowater.com](http://eprowater.com)

## Technical Specifications (Standard on EPRO Systems)

- **Product flow rate:** from 600 to 10,000 GPD<sup>1</sup> (2.3-37.9 m<sup>3</sup>/day.)
- **Purification rate:** up to 99.4%<sup>2</sup>
- **Recovery rate:** up to 80%<sup>3</sup>
- **Automatic feed water valve shutoff**
- Stainless steel centrifugal pump
- Flow meters for product and discarded water
- Liquid-filled pressure gauges
- 5 micron sediment pre-filter
- Fiberglass reinforced plastic or Stainless Steel pressure vessels
- Concentrate control valve
- 110 V or 220 V single phase 60 Hz motor

## Dimensions

- W x D x H: 26"x20"x53" (66cm x 51cm x 135cm)

## Warranty

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

## Options

- Auto flush
- Electronic control with low flow switch
- Digital TDS monitor
- Recycle flow meter and valve
- Coldwater and high-efficiency membranes
- 208-230/480 V 3-phase 60 Hz motor
- Other options are available – please consult your local **COCHRANE®** by **newterra** Representative

EPRO 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 600	600 / 2.3	180 / 1342	1/2"	2.5" x 40" / 1	25%	1/3
EPRO 1200	1200 / 4.5	180 / 1342	1/2"	2.5" x 40" / 2	40%	1/2
EPRO 1500	1500 / 5.7	180 / 1342	3/4"	4" x 40" / 1	25%	1
EPRO 3000	3000 / 11.4	180 / 1342	3/4"	4" x 40" / 2	40%	1
EPRO 4500	4500 / 17	180 / 1342	3/4"	4" x 40" / 3	40%	1.5
EPRO 6000	6000 / 22.7	180 / 1342	3/4"	4" x 40" / 4	50%	1.5
EPRO 8000	8000 / 30.3	180 / 1342	1"	4" x 40" / 5	50%	3
EPRO 10000	10000 / 37.9	180 / 1342	1"	4" x 40" / 6	60%	3

## Important

Specifications are subject to change without notice. Systems shown with options. Contact your **COCHRANE** 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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