

# Pure RO



## Purification Process:

- STEP 1:** 5 Micron Pre-Filter— removes particles, sediment, and algae.
- STEP 2:** R.O. Pump—high pressure, stainless steel RO pump to boost water pressure to 150 PSI. for maximum membrane efficiency.
- STEP 3:** Reverse Osmosis Membranes— water is forced through a semi-permeable, .0002 micron membrane, allowing only pure water molecules to pass.
- STEP 4:** Storage (optional)—water is stored in FDA approved tanks.

The Pure RO is a high-quality, reliable reverse osmosis water filtration system for use in commercial applications requiring purified water. This system is currently used worldwide in applications where pure water is needed.

This unit is a frame mounted stand-alone reverse osmosis water purification system that is designed to consistently and efficiently produce pure water for a variety of purposes.

The Pure RO reverse osmosis water filter system is available in multiple models to suit production levels ranging from 1,500 – 9,000 gallons a day. When building the system, we can adapt or modify the system to best fit your production levels given the water quality and contaminants present in your water supply.

The Pure RO reverse osmosis water filtration system is very user friendly and features a unique design that allows to be very effective, efficient, and reliable. The system features basic, easily accessible electrical components and high quality NSF approved components making it extremely reliable. Unlike systems from many other manufacturers, the system does not include and fail-prone microprocessors or proprietary parts reducing operating and maintenance costs associated with reverse osmosis water purification systems.

The Pure RO reverse osmosis water filter system is built upon ordering allowing our staff to customize and adapt the system for practically any application and water condition.

The Pure RO reverse osmosis water filtration system is designed, manufactured, and assembled in the USA with NSF approved components producing a very high quality and reliable water purification system. This reverse osmosis water purification system includes a 1-year manufacturers warranty on defective parts and includes ongoing technical support via phone or email. The Pure RO water filter system also includes a detailed manual outlining user instructions, maintenance, and installation procedures.

## Features:

- Powder coated steel frame
- Pre-wired electrical panel
- Inlet solenoid valve
- 10" Big Blue 5 Micron Filter
- Lights—Power on; system running; low pressure with auto cut-off
- Stainless steel booster pump
- Stainless Steel Membrane Housings
- T.F.C. membranes
- Pre and post filter gauges
- Stainless steel waste and recycle valves
- Product and waste flow meters

## Options:

- Pre-filtration System
  - Water softener
  - Multi-media filter
  - Carbon filter
  - AG filter
- Chemical injection system
- Water storage tanks
- TDS Meter

## Specifications:

Feed water:

- Temperature: 35-85°
- Pressure: 40-80 psi
- Total Dissolved Solids (TDS): 2000 ppm

### Tolerance:

- Iron: 0.5 ppm
- Silica: 25 ppm@50%
- Recovery pH range: 3–11
- Water recovery—up to 60%
- Salt rejection—90-98%+

Pre-filtration System- may be required



Back View

Model	Gallons / Liters Per Day	Dimensions (inches)
PRO-1	1,500g / 5,625LPD	24L X 32W X 52H
PRO-2	3,000g / 11,250LPD	24L X 32W X 52H
PRO-3	4,500g / 16,875LPD	24L X 32W X 52H
PRO-4	6,000g / 22,500LPD	24L X 32W X 52H
PRO-6	9,000G / 34,000 LPD	24L X 32W X 52H