

Pinnacle 5 Stage Reverse Osmosis System – RO100 & RO100BP

FEATURES

- Sediment filter screens out particulate material, such as dirt, sand, or rust, which may clog the other filters in the system
- Activated carbon prefilters reduce chlorine and other organic chemical contaminants
- Activated carbon postfilter provides polishing for optimal taste and quality
- 100 GPD NSF certified membrane
- 1:1 efficiency design
- 3.2 Gallon NSF certified steel storage tank
- Automatic shut-off valve



Booster Pump Model:

- Booster pump to maximize performance
- Pump mounted on RO to maintain constant water pressure to membrane
- Raises water pressure to the ideal level for maximum efficiency
- Use on rural or municipal supplies with low pressure or high TDS
- Self-priming and whisper quiet
- 24VAC transformer (included) from a standard 120VAC electrical outlet



SPECIFICATIONS & PERFORMANCE

Model Number	Stage 1	Stage 2 & 3	Stage 4	Stage 5	Storage Tank	Faucet
RO100 RO100BP	Sediment Filter	Activated Carbon Block Filter	Reverse Osmosis Membrane	Activated Carbon Polishing Filter	Steel Tank – 3.2 Gallons	Not included, please contact sales rep for details

Recommended Influent Water Characteristic	
Pressure	40 - 100 psi
Temperature	40 - 77 °F
Total Dissolved Solids (TDS) ¹	0 - 2500 ppm (0 - 2500 mg/L)
pH	5 - 10
Chlorine ²	0 - 3 ppm (0 - 3 mg/L)
Chloramine	0 - 3 ppm (0 - 3 mg/L)
Turbidity	0 - 10 NTU
Hardness ³	0 - 10 gpg
Iron	0 - 1 ppm (0 - 1 mg/L)
Bacterial Quality ⁴	Potable

NOTES

1. A booster is strongly recommended to improve the reduction of TDS. Higher pressures will help maintain the membrane's maximum rejection performance.
2. The reverse osmosis membrane used in these systems may be damaged by chlorine. These systems include activated carbon filters which protect the membranes by reducing chlorine. Influent chlorine should not exceed 3 mg/L.
3. A softener is strongly recommended for water over 10 gpg hard. Installing a system without a softener on water with hardness higher than 10 gpg will reduce the life of the membrane.
4. RO is not recommended to be installed on microbiologically unsafe water