

# Reverse Osmosis Systems

## CAN 400 SERIES

## CAN 800 SERIES



### Operating Parameters

- Maximum Operating Pressure: 120 psi
- Nominal recovery: 33% to 50%
- Nominal salt rejection: 95–98%
- Operating temperature: 33–100° F
- Design temperature: 77° F
- Minimum inlet pressure: 20 psi

### Materials of Construction

- Frame: Powder coated carbon steel
- Membrane element: TFC 400 GPD
- Membrane housings: GF Polypropylene
- Tubing: High Density Polyethylene

### Pump and Motor

- 115V — 24VAC 60 Hz diaphragm pump

### Standard Features

- Electronic controller
- 5-micron sediment pre-filter
- GAC pre-filter
- Air purge on start up
- Automatic inlet shut-off valve
- Automatic feed water flush
- Low pressure pump protection
- Dual purpose wrench for use on membrane cap and filter housing

Canature WaterGroup™ has dedicated professional engineers with decades of commercial water treatment experience. Over the years, they have built a reputation for designing efficient, high quality water purification systems.

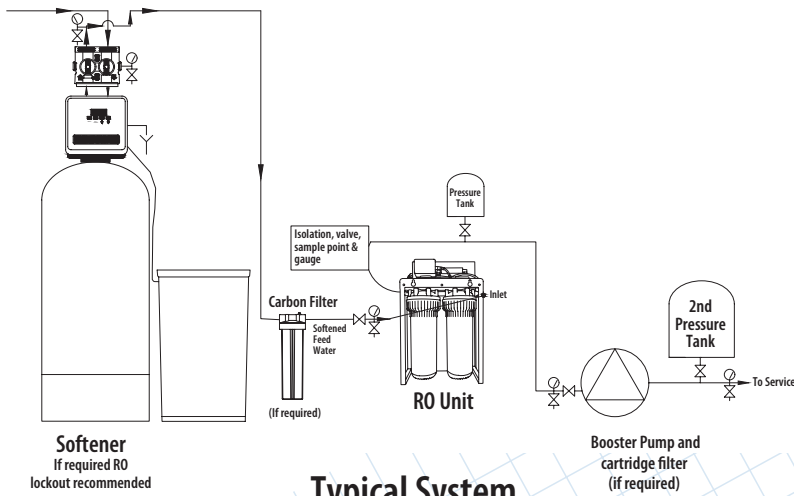
Our CAN LC RO systems are an affordable solution for light commercial applications.

### For Applications Such As:

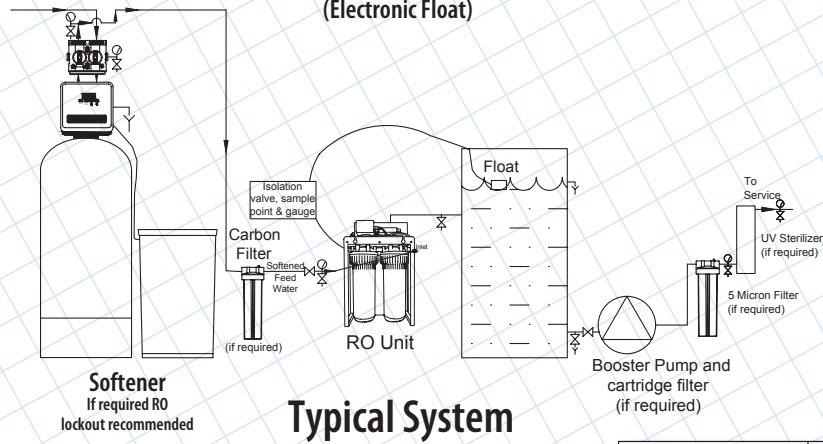
Boiler Treatment • Spot-free Rinse • Ice Making • Greenhouses  
Research and Medical Labs • Process Make-up Water • Humidification  
Ion exchange Pre-treatment • Bottle Water • Food and Beverage Processing

# Reverse Osmosis Systems

## Pressurized Storage



## Storage Tank With Re-Pressurization (Electronic Float)



Model	Max Permeate Flow <sup>1</sup>	Recovery %	Rejection <sup>2</sup>	Qty Membranes	Operating Pressure	1st STAGE	2nd STAGE	Dimensions (in) HxWxD inches	Voltage
CAN 400	400 GPD	25 - 50%	> 95%	1	120 psi	10" 5 micron	10" GAC	18 x 11 x 9	115 V
CAN 800	800 GPD	25 - 50%	> 95%	2	120 psi	20" 5 micron	20" GAC	29 x 15 x 11	115 V

<sup>1</sup>The maximum permeate flow as defined by the membrane specifications and the feed water conditions of 2,000 ppm NaCl, 77 deg. F, 200 psi operating to atmosphere.

<sup>2</sup>TDS rejection and water recovery are variable and can be effected by temperature and feed water conditions.

Maximum Operating Pressure	120 PSI	8.2 bar
Feed Line Pressure Min/Max	30 to 60 PSI	2 to 4 bar
Feed Water Temperature Maximum	100 F	37 C
Total Dissolved Solids Max	2000 mg/l	2000 mg/l
Turbidity	< 1 NTU	< 1 NTU
pH Range	5 to 10	5 to 10
Silt Density Index Well Water	<3	<3
Surface Water	<5	<5
Chlorine/Chloramines Max	0 mg/l	0 mg/l
Iron Maximum	< 0.1 mg/l	< 0.1 mg/l
Manganese Maximum	<0.05 mg/l	< 0.05 mg/l
Hydrogen Sulfide	0 ppm	0 ppm
Water Hardness (softened)	< 1 grain	< 17 mg/l
Oil tolerance	0 ppm	0 ppm
Organic Tolerance	0 ppm	0 ppm