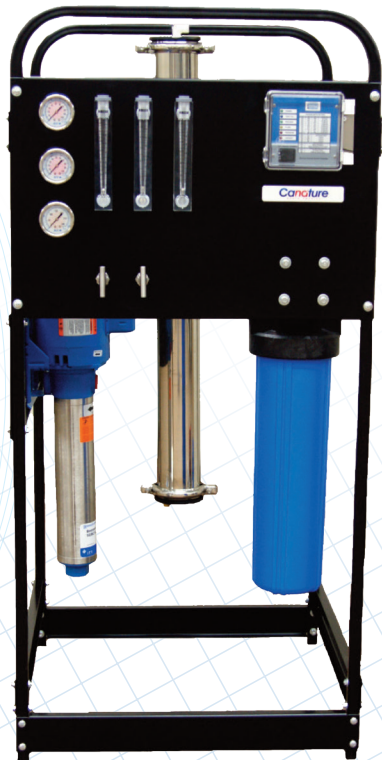


Reverse Osmosis Systems

CAN 2540 / 4040 SERIES



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 4040 RO Series is an affordable solution for applications up to 10,000 gallons per day and removes up to 98% of total dissolved solids in raw feed water.

Operating Parameters

- Operating pressure: 120-190 psig
- Minimum inlet pressure: 30 psig
- Operating temperature: 33–100° F
- Nominal recovery: 50 –75%
- Nominal salt rejection: 95–98%

Materials of Construction

- Frame: Epoxy powder coated carbon steel
- Industrial Nema rated control box
- Membrane elements: Low Energy (XLE)
- Membrane housings: 304SS
- Piping: Sch 80 PVC , Brass, Stainless Steel
- Tubing: NSF 61 High Density Polyethylene

Pump and Motor

- Pump: Goulds Multi-Stage Centrifugal
- Motor: ODP, 115 / 220 VAC, 1-phase, 60 Hz.

Standard Features

- Electronic controller with indicator for tank full, low pressure, pre-treatment lock out, flushing, and processing
- Unit on / off switch
- Large capacity 20"BB 5-micron sediment pre-filter
- Automatic inlet shut-off valve with air purge on start up
- Automatic feed water flush
- Liquid filled pre-filter, post-filter, and membrane pressure gauges
- Product, waste, and recycle flow meters
- Stainless steel flow control valves
- Low pressure pump protection

Optional Features

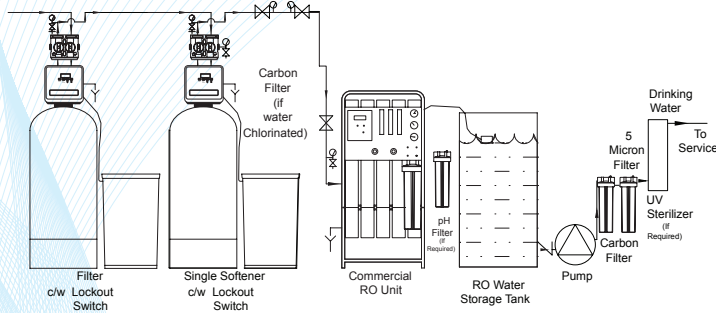
- Fiber-glass membrane housings
- Stainless steel pump
- S-100 Controller
- Automatic permeate water flush
- TDS monitor
- High rejection or Nano membranes
- Pump throttle valve
- CSA approval

For Applications Such As:

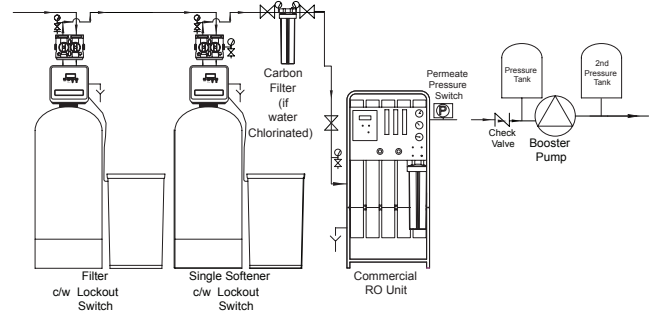
Boiler Treatment ● Spot-free Rinse ● Ice Making ● Greenhouses
 Research and Medical Labs ● Process Make-up Water ● Humidification
 Ion exchange Pre-treatment ● Bottle Water ● Food and Beverage Processing

Reverse Osmosis Systems

Storage Tank With Re-Pressurization



Pressurized Storage



Model	Qty Membranes	Nominal Rating		Recovery %	Rejection	Operating Pressure	Motor HP	Voltage	Connections			Dimensions (in)		Shipping Weight
		USGPD	USGPM						Inlet	Waste	Product	HxWxD inches		
CAN 2540-1	1	600	0.4	Up to 75%	> 98%	110 - 150 psi	1/2 HP	120V / 220V	3/4"	1/2"	1/2"	55 x 28 x 24	170 lbs	
CAN 2540-2	2	1200	0.8	Up to 75%	> 98%	110 - 150 psi	3/4 HP	120V / 220V	3/4"	1/2"	1/2"	55 x 28 x 24	180 lbs	
CAN 2540-3	3	1800	1.3	Up to 75%	> 98%	110 - 150 psi	3/4 HP	120V / 220V	3/4"	1/2"	1/2"	55 x 28 x 24	200 lbs	
CAN 4040-1	1	2000	1.4	Up to 75%	> 98%	110 - 150 psi	1 HP	220V	3/4"	1/2"	1/2"	55 x 28 x 24	200 lbs	
CAN 4040-2	2	4000	2.8	Up to 75%	> 98%	110 - 150 psi	1 HP	220V	3/4"	1/2"	1/2"	55 x 28 x 24	220 lbs	
CAN 4040-3	3	6000	4.2	Up to 75%	> 98%	110 - 150 psi	1.5 HP	220V	3/4"	1/2"	1/2"	55 x 28 x 24	240 lbs	
CAN 4040-4	4	8000	5.6	Up to 75%	> 98%	110 - 150 psi	2 HP	220V	1"	3/4"	3/4"	55 x 28 x 24	260 lbs	
CAN 4040-5	5	10000	6.9	Up to 75%	> 98%	110 - 150 psi	3 HP	220V	1"	3/4"	3/4"	55 x 28 x 24	300 lbs	
CAN 4040-6	6	12000	8.3	Up to 75%	> 98%	110 - 150 psi	3 HP	220V	1"	3/4"	3/4"	55 x 28 x 24	320 lbs	

- 1 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.
- 2 TDS rejection and water recovery are variable and can be affected by temperature and feed water conditions.
- 3 Max operating pressure 180 psi

Open Storage Tank Systems (Constant Pressure Pump)						
Item	Description	Dimensions (WxDxH inches)	Tank Shape	Float Switch	Pump Size	Pump Flow Rate
70050221	100 US Gallon Storage	20x30x49	Oval	Yes	3/4 Hp	12 gpm @ 30 psi
70050223	180 US Gallon Storage	25x34x60	Oval	Yes	3/4 Hp	12 gpm @ 30 psi
70050225	210 US Gallon Storage	29x49x51	Oval	Yes	3/4 Hp	12 gpm @ 30 psi
70050227	325 US Gallon Storage	29x49x75	Oval	Yes	3/4 Hp	12 gpm @ 30 psi
70050229	480 US Gallon Storage	42 dia x 82	Round	Yes	3/4 Hp	12 gpm @ 30 psi
70050231	710 US Gallon Storage	30x96x78	Oval	Yes	3/4 Hp	12 gpm @ 30 psi

* Pump size available in 1 Hp option: 14 gpm @ 30 psi

Feed Water Guidelines	
Feed Water Pressure	30 - 65 psi
Temperature	33 F - 100 F
pH	3.0 - 11.0
Maximum TDS	2,500 mg/l
Turbidity	< 1.0 NTU
Maximum SDI	< 5.0
Hardness	< 5 grains per gallon
Iron	< 0.1
Manganese	< 0.05
Hydrogen Sulfide	zero
Organics	zero
Chlorine	zero
Oil (Hydrocarbons)	zero

Pressurized Storage Tanks					
Item	Description	Dimensions (WxDxH inches)	Tank Volume	Total Drawdown	
				10/50	10/60
33335	FWRO 15 Composite RO tank	26x16x16	15 Gal	9.3	10
33336	FWRO 22 Composite RO tank	34x16x16	20 Gal	13.6	14.7
33337	FWRO 40 Composite RO tank	37x21x21	40 Gal	24.7	26.8
33338	FWRO 80 Composite RO tank	64x24x24	80 Gal	49.5	53.6
70031000	Tank fitting assembly				