AXEON

CRO – Series Reverse Osmosis System

AXEON CRO – Series Reverse Osmosis System utilizes reverse osmosis technology and features a four stage pre–filter, membrane and post–filter design that is housed inside a single cartridge. A fifth stage post–polishing inline carbon filter is installed between the tank and faucet for even better tasting water.

The system includes a two–gallon white storage tank, faucet, tubing and quick connect fittings for a fast and easy installation.

Stage 1 20 Micron Sediment Pre–Filter

Stage 2 GAC Pre–Filter

Stage 3 50 GPD Thin Film Composite Reverse Osmosis Membrane

Stage 4 Post Carbon Filter

Stage 5 In–Line GAC Post–Filter

CRO – 50
Reverse Osmosis System

Benefits

- Superior Product to Waste Ratio
- Can Reduce Water Waste by 50%, More Water to the Tank and Less Water to the Drain
- High Flow Membrane Ensures Faster Tank Refilling
- Small Footprint for Easy Installation

Know Higher Standards™

AXEON®
WATER TECHNOLOGIES

AXEON CRO – Series Reverse Osmosis System

With only one main cartridge and one inline carbon filter, the **AXEON CRO – Series Reverse Osmosis System** saves time and money on service calls and replacement cartridges.

No preliminary tank or unit assembly is required. The tank, feed and drain lines are pre–plumbed in the unit and tested at the factory. Final onsite installation is fast and simple.

The **AXEON CRO – Series Reverse Osmosis System** incorporates 3/8" tubing for faucet and tank connections. The larger diameter tubing ensures faster flow rate of approximately 30% from the faucet.

Feedwater Requirements	
Pressure (psi / bar)	40 – 80 / 2.76 – 5.52
Temperature (°F / °C)	40 – 100 / 4 – 38
TDS (ppm)	<1000
Turbidity (NTU)	<1 NTU
SDI	<5
pH	4 – 8
Chlorine (ppm)	<1.0
Feedwater must be potable, municipal water. Must be free of potential membrane foulants such as Iron, Hydrogen Sulfide and Manganese.	

Performance Specifications	
Model # CRO – 50	**Membrane**
Production (gpd / lpd)	50 / 189.3
Waste to Product	1.67:1
TDS Reduction %	96.5
Arsenic V Reduction %	97.8
Cysts Reduction %	>99.99
Fluoride Reduction %	96.3
Lead Reduction %	98.0
Tested at 60 psi (4 bar), 500ppm TDS municipal water, 77°F (25°C).	

Replacement Cartridges			
Part Number	**Stage**	**Description**	**Replacement Interval**
206681	1 – 4	4 – Stage Cartridge 1) 20 Micron Sediment Pre–Filter 2) Granular Activated Carbon Prefilter 3) Reverse Osmosis Membrane 4) Granular Activated Carbon Post–Filter	12 Months
206682	5	Granular Activated Carbon Post–Filter (In–Line between Tank and Faucet)	6 – 12 Months

CRO – 50
Complete System with Tubing and In–line Post–filter

CRO – 50
Reverse Osmosis System Exploded View

Part Number	Model Number	Systems Capacity (gpd / lpd)	Product to Waste Ratio	Nominal TDS Reduction %	Dimensions – L x W x H (in / mm)	Shipping Weight (lbs / kg)
209440	CRO – 50	50 / 189	1:2	96.5	9.72 x 15.38 x 13.75 / 246.9 x 390.7 x 349.2	11 / 5

Feedwater must be potable, municipal water. Must be free of potential foulants such as Iron, Hydrogen Sulfide and Maganese. Tested at 60 psi (4 bar), 500ppm TDS municipal water, 77°F (25°C).

AXEON® WATER TECHNOLOGIES

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