

CRO-Series Reverse Osmosis System

Five Stage System with Single Cartridge Design

The ultra-compact **AXEON CRO-Series Reverse Osmosis System** utilizes reverse osmosis technology and features a four stage prefilter, membrane, and postfilter design which 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, tubing, and quick connect fittings for a fast and easy installation.

Stage 1 20 Micron Sediment Prefilter

Stage 2 GAC Prefilter

Stage 3 50 GPD (189.3 LPD) Thin Film Composite Reverse Osmosis Membrane

Stage 4 Post Carbon Filter

Stage 5 In-line GAC Postfilter



CRO-50
Reverse Osmosis System

More Water to the Tank, Less Water to the Drain

This single cartridge designed system takes advantage of cutting edge high flow membrane technology. In addition, a unique flow path gives the AXEON CRO-Series Reverse Osmosis System a superior waste-to-product ratio and can reduce water waste by 50%. The combination of the two means more water to the tank and less water to the drain. The high flow membrane also ensures faster tank refilling.

Compact and Lightweight

The AXEON CRO-Series Reverse Osmosis System has been designed to take up less space under the sink. The complete system including the tank is approximately the same height and width of a standard system's tank. The entire system is less than 14 inches in depth and can be lifted easily with one hand. The small footprint of this system makes it easier to install in cramped kitchen or bathroom cabinets.

Engineered Membrane Solutions

AXEON CRO-Series Reverse Osmosis System

Saves Time and Money

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

Feed Water Requirements	
Pressure	40-80 psi (275 kPa – 552 kPa)
Temp	40°F – 100°F (4°C – 38°C)
TDS	<1000 mg / L ppm
Turbidity	<1 NTU
SDI	<5
pH	4 – 8
Chlorine	<1.0 mg/L

Feed water 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	50 GPD (189.3 LPD)
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 psig (4 bar), 500ppm TDS municipal water, 77°F (25°C).

Dimensions and Shipping Weight			
Width	Height	Diameter	Weight
9.72" W (24.7 cm)	15.38" H (39.1 cm)	13.75" D (34.9 cm)	11 lbs. (5 kg.)



CRO-50
Complete system with tubing and in-line postfilter

Pre-Plumbed

No preliminary tank or unit assembly is required. The tank, faucet, feed and drain lines are pre-plumbed in the unit and tested at the factory. Final onsite installation is faster and simpler.

Fast Flow

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



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Reverse Osmosis System
Exploded View