

## Ecosoft CSVPDRO500

# Ecosoft Cross Solo Reverse Osmosis System Filter - Instruction Manual

Model: CSVPDRO500

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your Ecosoft Membrane Element and Carbon Filter for the Cross Solo Reverse Osmosis System. This advanced 2-in-1 filter system is designed to ensure complete water purification, providing clean and safe drinking water for your home or office.

The system utilizes direct flow technology, ensuring purified water is immediately available, while automatic rinsing cycles maintain optimal filter performance and extend service life.

## 2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the filter. Failure to follow these instructions may result in property damage or injury.

- Ensure the water supply is turned off before beginning installation or maintenance.
- Do not attempt to modify the filter or its components.
- Use only genuine Ecosoft replacement filters to ensure proper performance and safety.
- Keep the filter away from direct sunlight and extreme temperatures.
- Dispose of used filters according to local regulations.

## 3. PRODUCT OVERVIEW

The Ecosoft Cross Solo filter combines a reverse osmosis membrane and a carbon filter into a single, compact cartridge, offering dual-stage purification.



Figure 3.1: Ecosoft Cross Solo Reverse Osmosis and Carbon Filter cartridge. This image shows the complete filter unit, highlighting its sleek, cylindrical design and branding.

### Key Features:

- **Reverse Osmosis Filtration (500 GPD Membrane):** Removes up to 99.8% of contaminants, including bacteria, viruses, heavy metals, PFAS, and effectively reduces dissolved solids.
- **Activated Carbon Filtration:** Enhances taste and smell by removing chlorine, unpleasant aromas, and odors.
- **Long-Lasting Performance:** Designed for a replacement cycle of approximately 12 months.
- **Easy Installation:** Features a plug-and-play design for quick and straightforward filter replacement.



Figure 3.2: Exploded view of the Ecosoft Cross Solo filter layers. This illustration demonstrates the multi-stage filtration process, showing the distinct membrane and carbon layers within the cartridge.

## 4. SETUP AND INSTALLATION

The Ecosoft Cross Solo filter is designed for easy, plug-and-play installation within the compatible Cross Solo Reverse Osmosis System. Refer to your Cross Solo system's main manual for detailed instructions on accessing the filter compartment.

### Installation Steps:

1. **Turn off Water Supply:** Locate the main water supply valve to your Cross Solo system and turn it off completely.
2. **Depressurize System:** Open a faucet connected to the system to release any remaining pressure.
3. **Remove Old Filter:** Carefully twist and pull out the old filter cartridge from its housing. Be prepared for a small amount of residual water.
4. **Prepare New Filter:** Remove the new Ecosoft filter from its packaging. Ensure all protective caps are removed.

- 5. **Insert New Filter:** Align the new filter cartridge with the housing and push it firmly into place. Twist clockwise until it locks securely.
- 6. **Restore Water Supply:** Slowly turn on the main water supply valve to the system.
- 7. **Check for Leaks:** Inspect all connections for any signs of leaks. If leaks are present, turn off the water supply and re-seat the filter.
- 8. **Flush System:** Allow water to run through the system for approximately 5-10 minutes to flush out any carbon fines or air. This is crucial for optimal performance and taste.

## 5. OPERATING INSTRUCTIONS

Once installed, the Ecosoft Cross Solo filter operates automatically as part of your Reverse Osmosis System. The direct flow technology ensures that purified water is available on demand.

- The system will automatically perform rinsing cycles to maintain the membrane's efficiency and prolong its lifespan.
- No manual intervention is required for daily operation.
- Always ensure the system is connected to a stable power supply if it requires electricity for operation (refer to your Cross Solo system manual).

## 6. MAINTENANCE

Regular maintenance, primarily filter replacement, is essential to ensure the continuous high performance and safety of your water purification system.

### Filter Replacement:

- The Ecosoft Membrane Element and Carbon Filter cartridge should be replaced approximately every **12 months**.
- Replacement frequency may vary depending on the quality of your incoming water and daily water consumption.
- Signs that a filter replacement may be needed include a noticeable decrease in water flow, a change in water taste or odor, or an increase in Total Dissolved Solids (TDS) if you are monitoring water quality.
- Refer to Section 4, "Setup and Installation," for detailed steps on replacing the filter cartridge.

## 7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Ecosoft filter. For issues related to the main Cross Solo system, please consult its dedicated manual.

Problem	Possible Cause	Solution
Reduced Water Flow	Clogged filter cartridge; Air in the system.	Replace the filter cartridge; Flush the system by running water for several minutes.
Unpleasant Taste or Odor	Expired carbon filter; Contaminants not fully removed.	Replace the filter cartridge; Ensure proper flushing after installation.

Problem	Possible Cause	Solution
Leaks at Filter Connection	Improperly seated filter; Damaged O-ring.	Turn off water, remove and re-seat the filter firmly; Inspect O-rings for damage and replace if necessary.
Water Not Pure (High TDS)	Expired RO membrane; System malfunction.	Replace the filter cartridge; Consult the Cross Solo system manual or contact Ecosoft support.

## 8. SPECIFICATIONS

Attribute	Detail
Brand	Ecosoft
Model Name	Filtro Para Cross Solo
Part Number	CSVPDRO500
Filtration Type	Reverse Osmosis Membrane & Activated Carbon
Membrane Capacity	500 GPD (Gallons Per Day)
Contaminant Removal	Up to 99.8% of bacteria, viruses, heavy metals, PFAS, chlorine, odors, and tastes.
Recommended Replacement Cycle	Every 12 months
Special Features	Reduces TDS, Automatic power off (system dependent)
Material	Plastic
Product Dimensions (L x W x H)	20 x 30 x 14 cm (approximate)
Item Weight	0.8 Kilograms

## 9. WARRANTY AND SUPPORT

Specific warranty information for the Ecosoft Membrane Element and Carbon Filter is typically provided with the original Cross Solo Reverse Osmosis System or can be obtained directly from Ecosoft or your authorized dealer.

For technical support, product inquiries, or to purchase genuine replacement filters, please contact Ecosoft customer service or visit their official website. Refer to the packaging or the main Cross Solo system manual for contact details.



