

## Ecosoft Cross 90

# Ecosoft Cross 90 Direct Flow Reverse Osmosis Filter User Manual

Model: Cross 90

Brand: Ecosoft

## 1. PRODUCT OVERVIEW

The Ecosoft Cross 90 is a state-of-the-art direct flow reverse osmosis system designed to provide clean, safe, and great-tasting drinking water directly from your tap. Its compact design makes it suitable for any kitchen, offering efficient purification without the need for a storage tank.



This image displays the complete Ecosoft Cross 90 system, including the main unit, three filter cartridges (pre-sediment, carbon block, and RO membrane), and the dedicated drinking water faucet. The sleek, modern design is highlighted, showing how the components integrate for a complete water purification solution.

## 2. KEY FEATURES

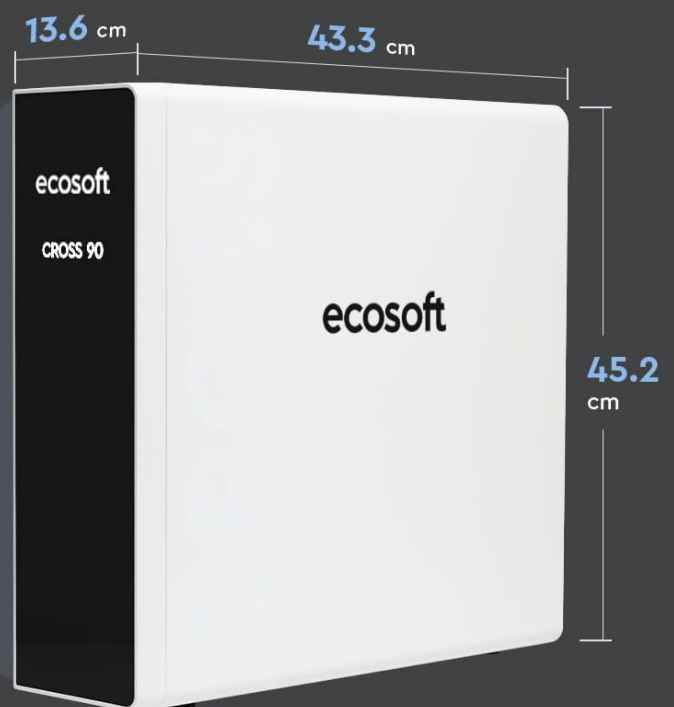
- **Compact and Smart Filtration:** The Ecosoft CROSS 90 direct flow reverse osmosis filter ensures efficient water purification in a modern and compact design, suitable for any kitchen.
- **High Flow and Water Saving:** Provides 1.5 L/min of purified water with 60 percent recovery, reducing waste and ensuring efficient performance.
- **Smart Screen:** Real-time monitoring of filter life and water quality, ensuring optimal performance and easy maintenance.
- **Quick and Easy Maintenance:** Filter change in just 10 minutes, with an automatic rinsing system that extends membrane life.
- **Safety and Reliability Certification:** Manufactured with NSF-ANSI 58 approved components, ensuring high-quality filtration and safe drinking water for home or office.



This diagram visually explains the four stages of filtration: Composite PP sediment filter, Carbon block filter, 600 GPD Membrane element, and Carbon block post-filter, highlighting the types of impurities removed at each stage, including bacteria and viruses.

# HARMONIOUS DESIGN

The Universal Reverse  
Osmosis Filter for  
Any Space



The image confirms the system's compliance with the NSF/ANSI 58 standard for reverse osmosis systems, indicating rigorous testing and certification for safety and performance.

# SAFETY AND QUALITY



This image emphasizes the safety of the purified water for children, noting that the system removes 99.8% of contaminants, adds essential minerals, meets international standards, and provides multi-stage filtration.

### 3. SETUP AND INSTALLATION

The Ecosoft Cross 90 system is designed for under-sink installation. While installation is straightforward, it is recommended to consult a professional plumber if you are unsure about any steps. Ensure all components are present before beginning the installation process.

# NSF/ANSI 58-2022

## Standard for Reverse Osmosis System



Tested and certified by NSF accordingly to NSF/ANSI 58 Standard.



### NSF/ANSI 58 TECHNICAL REQUIREMENTS

#### REVERSE OSMOSIS SYSTEMS

NSF/ANSI 58 is the American National Standard for point-of-use (POU) reverse osmosis (RO) systems. It was developed by a joint committee with equal representation from regulators, manufacturers and end users. This standard includes requirements addressing various aspects of these systems, including:

- > Safety of materials in contact with drinking water
- > Structural integrity
- > TDS (total dissolved solids) reduction performance
- > Efficiency rating
- > Recovery rating
- > Contaminant reduction performance
- > Information for the end user

#### TESTING UNDER NSF/ANSI 58

This standard requires different testing based on your specific RO unit or component. Testing is conducted as follows:

This diagram illustrates the water flow path through the Composite PP sediment and carbon block filter, the 600 GPD Reverse Osmosis membrane, and the Carbon block post-filter, showing how water is progressively purified.

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This image details the main components included for installation: a set of cartridges, feed water adapter with valve, drain saddle, drinking water faucet, power adapter, and a set of colored tubes, alongside the main Cross 90 unit.

### Initial Setup Steps:

1. Unpack all components and verify against the packing list.
2. Install the drinking water faucet on your sink.
3. Connect the feed water adapter to your cold water line.
4. Install the drain saddle on the drain pipe.
5. Connect the colored tubes from the main unit to the faucet, feed water adapter, and drain saddle as per the detailed instructions in the full user manual.
6. Insert the filter cartridges into their respective housings.
7. Connect the power adapter to the unit and a power outlet.

For detailed, step-by-step installation instructions, please refer to the comprehensive user manual provided with your product or available online.

## 4. OPERATING INSTRUCTIONS

Once installed, the Ecosoft Cross 90 operates automatically to provide purified water on demand. Simply open the dedicated drinking water faucet to dispense purified water. The system's direct flow design means no waiting for a tank to fill.



This image depicts a family happily drinking water, illustrating the benefit of having direct flow safe drinking water readily available at 1.5 liters per minute, and highlighting the reduction of PFAS content by up to 99%.

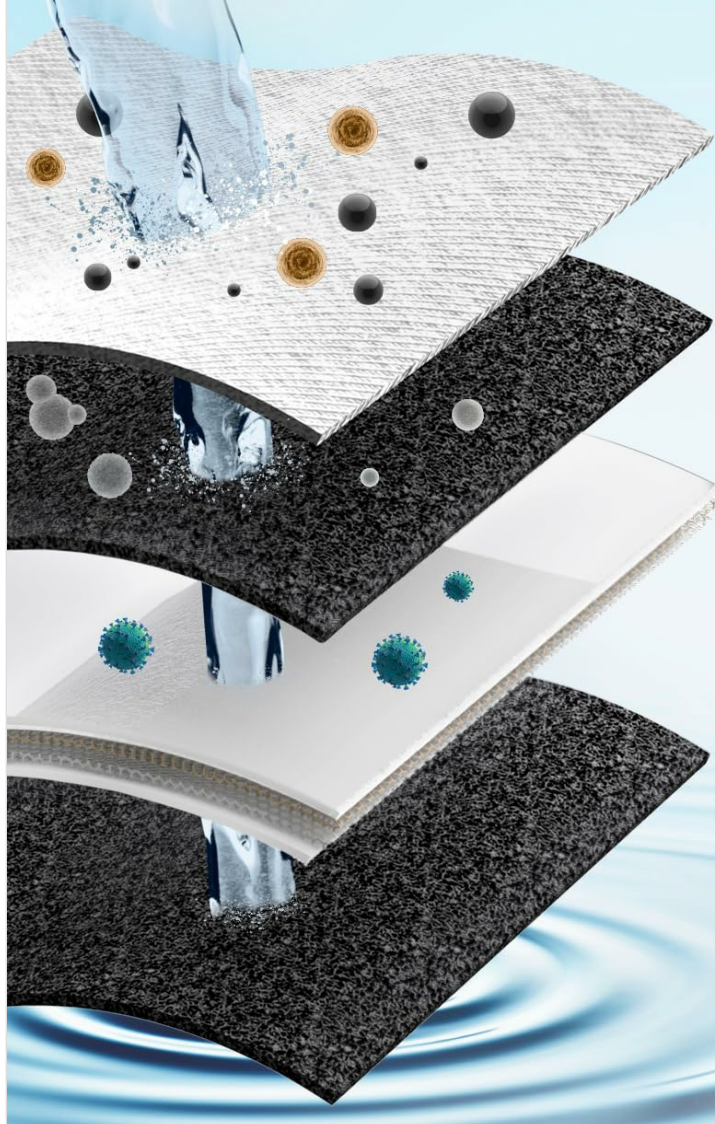
### Smart Indication System:

The Ecosoft Cross 90 features a smart indication system on the faucet to monitor RO filter performance and water quality:

- **Green Light:** Indicates that the filter capacity is sufficient and water quality is optimal.
- **Purple Light:** Signals that the filter capacity is running out, indicating it's time to prepare for replacement.
- **Red Light:** Shows that the filter capacity is exhausted and replacement is required to maintain water quality.

# 4 STAGES OF FILTRATION

With 3 cartridges



## 1. Composite PP sediment filter



large particulates  
of silt



sand



rust dirt



dust

## 2. Carbon block filter



chlorine



organic



organochlorine  
compounds

## 3. Membrane element 600 GPD



calcium ion



fluorine



organic matter



lead



chloramines



PFAS



PFOS



bacteria,  
viruses

## 4. Carbon block post-filter



taste



odor

Removes up to **99.8%** over,  
including bacteria and viruses

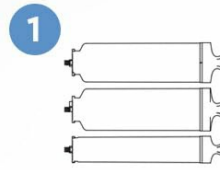
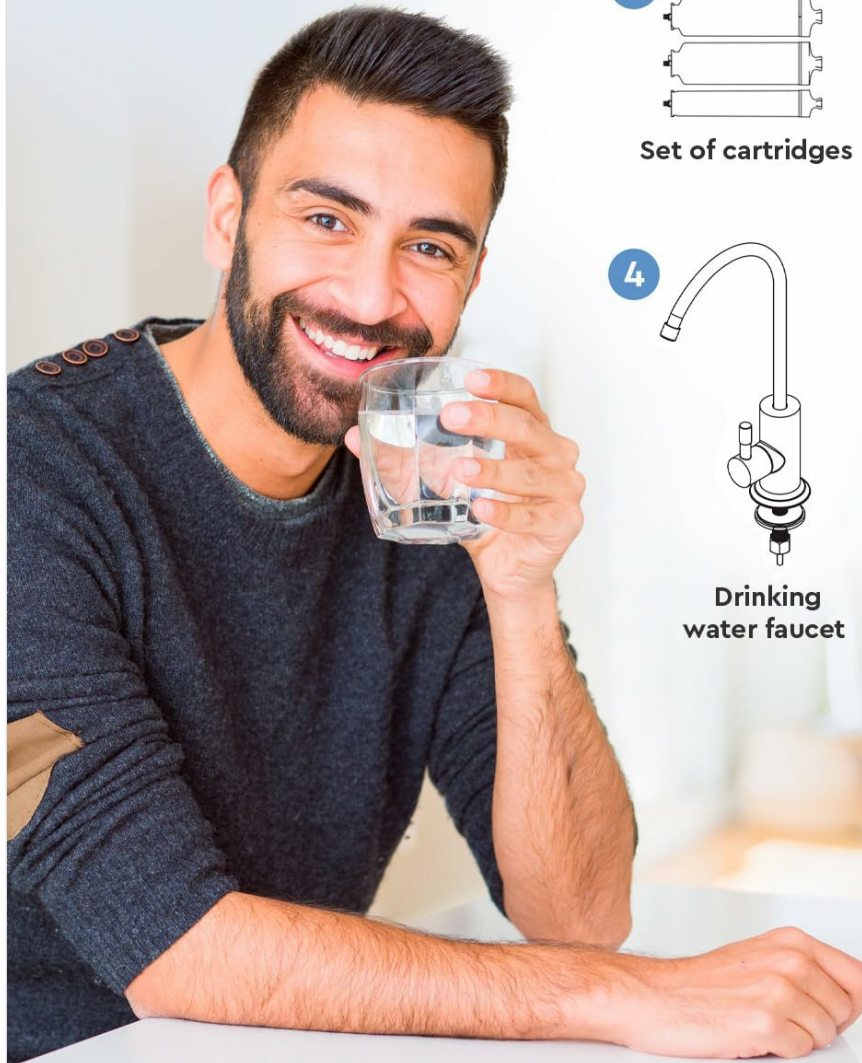
This image clearly shows the three color indications (green, purple, red) on the faucet, corresponding to sufficient capacity, capacity running out, and exhausted capacity, providing a visual guide for filter replacement and water quality.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Ecosoft Cross 90 system. The system is designed for quick and easy DIY filter replacement, typically taking only 10 minutes.

# REVERSE OSMOSIS SYSTEM COMPONENTS

Simple installation



Set of cartridges



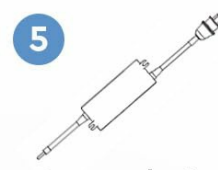
Feed water adapter with valve



Drain saddle



Drinking water faucet



Power adaptor



Set of colored tubes



This image highlights various safety and quality features, including a water quality sensor, DIY filter replacement, smart filter lifetime reminder, 60% recovery (water saving), smart faucet & flush, tank-less design, water leakage protection, and overtime protection.

## Filter Replacement:

The smart indication system on the faucet will alert you when it's time to replace the filters. Follow the instructions in the full user manual for safe and effective filter cartridge replacement. The automatic rinsing system helps to prolong the life of the RO membrane, but regular replacement of all cartridges is crucial for maintaining water purity.

## 6. TROUBLESHOOTING

If you encounter any issues with your Ecosoft Cross 90 system, please refer to the troubleshooting section in the comprehensive user manual. Common issues may include reduced water flow, unusual taste or odor, or persistent red light indication after filter replacement. Many issues can be resolved by following the specific steps outlined in the manual.

## 7. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	Cross 90
Product Dimensions (L x W x H)	45.2L x 13.6W x 43.4H centimeters
Material	Polypropylene
Capacity	1.5 liters per minute
Purification Method	Reverse Osmosis
Installation Type	Under Sink
Power Source	Electric Cable
Manufacturer	Ecosoft
Country of Origin	Ukraine
Special Features	Reverse osmosis technology, smart filter change indicators, automatic rinsing program

# SMART INDICATION

## RO filter performance and water quality



This image provides a visual representation of the compact dimensions of the Ecosoft Cross 90 unit (45.2 cm H x 13.6 cm W x 43.3 cm L) and the accompanying faucet (26 cm H x 10 cm reach), illustrating its harmonious design for various spaces.

## 8. WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official Ecosoft website. For technical support, replacement parts, or any other inquiries, please contact Ecosoft customer service.

You can download the full user manual and find more information at: [www.ecosoft.com/unit-downloads-collection/cross60-90-user-manual](http://www.ecosoft.com/unit-downloads-collection/cross60-90-user-manual)

