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> [iFilters](#) /

> [iFilters RO-550 5-Stage Reverse Osmosis Drinking Water Filter System User Manual](#)

iFilters RO-550

iFilters RO-550 5-Stage Reverse Osmosis Drinking Water Filter System User Manual

Model: RO-550 | Brand: iFilters

1. INTRODUCTION

The iFilters RO-550 is a 5-stage reverse osmosis drinking water filter system designed to provide high-quality, clean, and filtered water. This system effectively removes up to 99% of various contaminants, ensuring safer drinking water for your household. It is engineered for reliable performance and ease of maintenance.

Important Safety Information

- Read all instructions carefully before installation and operation.
- Ensure all connections are secure to prevent leaks.
- Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Maintain proper water pressure as specified in the technical specifications.
- Keep the system away from direct sunlight and freezing temperatures.

2. PRODUCT COMPONENTS

The iFilters RO-550 system includes the following components:

- Pre-filters (Stage 1, Stage 2, Stage 3)
- 50 GPD Reverse Osmosis Membrane
- Post Polishing Filter
- Lead-free Chrome Ceramic Designer Faucet
- Installation Components (tubing, fittings, tank, etc.)
- User Manual

5 Stage Ultrafiltration

Simply the **best most reliable** RO System in the **USA**



Stage 1 - 100% Pure Polypropylene Filter removes silt, dirt, particles, sediment, sand and rust.

Stage 2 - 100% Coconut Shell Carbon block filter removes and reduces unpleasant chlorine, tastes, odors, cloudiness, colors, VOCs and other common chemicals.

Stage 3 - 100% Coconut Shell Carbon block filter further removes unpleasant chlorine, tastes, odors, cloudiness, colors, VOCs and other common chemicals.

Stage 4 - TFC reverse osmosis membrane removes a wide variety of contaminants including arsenic, bacteria, cyst, lead, fluoride, chromium, radium, viruses and many more.

Stage 5 - 100% Coconut Shell Polishing Post GAC Carbon 10" filter removes any residual taste & odor for a bottle water quality finish.



**CERTIFIED
COMPONENTS
& FILTERS**



**FULLY
AUTOMATED
ON & OFF**



**EASY
& QUICK
INSTALLATION**



**LOW COST
MAINTENANCE
& FILTERS**

Image: Overview of the iFilters RO-550 5-stage reverse osmosis system, illustrating the different filter stages and their functions.



Image: The included lead-free chrome ceramic designer faucet along with various nuts, washers, and fittings required for installation.

3. SETUP AND INSTALLATION

The iFilters RO-550 system is designed for under-sink installation. Professional installation is recommended, but if you choose to install it yourself, follow these general steps. Refer to the detailed installation guide included in your package for specific diagrams and instructions.

Pre-Installation Checklist:

- Verify all components are present and undamaged.
- Ensure you have the necessary tools (drill, wrench, Teflon tape, etc.).
- Locate a suitable under-sink area with access to cold water line, drain, and space for the storage tank and faucet.
- Turn off the main cold water supply before beginning installation.

General Installation Steps:

1. **Install the Faucet:** Drill a hole in the sink or countertop (if not pre-drilled) and mount the chrome faucet. Secure it with the provided hardware.
2. **Connect the Feed Water Adapter:** Turn off the cold water supply. Disconnect the cold water line from the existing faucet. Install the feed water adapter valve onto the cold water supply line. Reconnect the cold water line to the adapter.

3. **Install the Drain Saddle:** Attach the drain saddle to the drain pipe under the sink, ensuring it is above the P-trap. Drill a hole through the drain pipe at the saddle location.
4. **Mount the RO Unit:** Secure the main RO filter unit to the cabinet wall using the provided mounting bracket and screws.
5. **Connect Tubing:**
 - Connect the feed water line from the adapter to the inlet of the RO unit.
 - Connect the purified water line from the RO unit to the storage tank.
 - Connect the waste water line from the RO unit to the drain saddle.
 - Connect the purified water line from the storage tank to the RO faucet.
6. **Install the Storage Tank:** Place the storage tank in a suitable location under the sink. Connect the tank valve to the tank and then to the RO unit.
7. **Leak Check:** Slowly turn on the main cold water supply. Check all connections for leaks. Tighten any leaking connections.

4. OPERATING INSTRUCTIONS

Initial System Start-up and Flush:

1. After installation, ensure all connections are tight and the water supply is on.
2. Open the RO faucet and leave it open until water begins to drip, then close it.
3. Allow the storage tank to fill completely (this may take 2-3 hours depending on water pressure).
4. Once the tank is full, open the RO faucet and let all the water drain out. This flushes out carbon fines and air from the system.
5. Repeat steps 3 and 4 at least two more times. This ensures the system is properly flushed and ready for use.

Daily Operation:

The iFilters RO-550 system operates automatically. When you open the RO faucet, purified water will flow from the storage tank. As water is drawn, the system will automatically produce more purified water to refill the tank.

5. MAINTENANCE

Regular maintenance, primarily filter replacement, is crucial for the optimal performance and longevity of your RO system. Filter changes are designed to be simple and tool-free.

Filter Replacement Schedule:

Filter Stage	Description	Recommended Replacement
Stage 1: Sediment Filter	Removes silt, dirt, particles, sediment, sand, and rust.	Every 6-12 months
Stage 2: Carbon Block Filter	Removes chlorine, taste, odors, VOCs, and other chemicals.	Every 6-12 months
Stage 3: Carbon Block Filter	Further removes chlorine, taste, odors, VOCs, and other chemicals.	Every 6-12 months
Stage 4: RO Membrane	Removes up to 99% of contaminants like arsenic, lead, fluoride, bacteria, viruses.	Every 2-3 years
Stage 5: Post GAC Carbon Filter	Polishes water for improved taste and odor.	Every 12 months

Filter Replacement Procedure:

1. Turn off the cold water supply to the RO system and close the tank valve.
2. Open the RO faucet to relieve pressure in the system.
3. Carefully unscrew the filter housings for stages 1, 2, and 3.
4. Remove and discard the old filters. Clean the housings with mild soap and water.
5. Insert new filters, ensuring they are correctly oriented.
6. Screw the housings back on, hand-tightening them.
7. For the RO membrane (Stage 4) and Post GAC filter (Stage 5), follow the specific instructions provided with your replacement filters, as these may involve quick-connect fittings.
8. Slowly turn on the cold water supply and open the tank valve. Check for leaks.
9. Perform an initial system flush as described in the "Initial System Start-up and Flush" section.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your iFilters RO-550 system.

Common Issues and Solutions:

- **No Water Flow from Faucet:**
 - Check if the cold water supply to the RO system is turned on.
 - Ensure the storage tank valve is open.
 - Verify the storage tank has sufficient pressure (check air pressure if necessary).
 - Check for clogged filters or a clogged RO membrane. Replace if needed.
- **Slow Water Production:**
 - Low incoming water pressure.
 - Clogged pre-filters or RO membrane.
 - Low temperature of incoming water.
 - Air bladder in the storage tank needs repressurizing.
- **Unpleasant Taste or Odor:**
 - Post-carbon filter needs replacement.
 - RO membrane may be compromised (rare, but possible if filters are not changed regularly).
 - System was not properly flushed after installation or filter change.
- **Leaks:**
 - Inspect all connections and fittings. Tighten any loose connections.
 - Ensure O-rings are properly seated in filter housings.
 - Check for cracks in housings (contact support if found).

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact iFilters customer support.

7. SPECIFICATIONS

Feature	Detail
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Feature	Detail
Model Name	RO-550
Brand	iFilters
Purification Method	Reverse Osmosis
Number of Stages	5
Capacity	50 Gallons Per Day (GPD)
Installation Type	Under Sink
Power Source	Gravity Fed (Non-electric)
Material	Polypropylene
Item Weight	17 Pounds
Product Dimensions	17 x 16.5 x 8.5 inches
Supported Water TDS Level Maximum	300 PPM
Special Features	Chlorine Reduction, Food Grade Components
UPC	693614034174

Up to **99%** Of Contaminants
Reduced & Removed

Acrylamide	Dibromochloro-propane (DBCP)	PCBs
Aluminum	Dichloro-methane	Pesticides
Ammonium	Dichlorobenzene (o-, p-)	Phosphate
Antimony	Dichloroethane (1,2)	Polyphosphate
Arsenic	Dichloroethylene	Potassium
Asbestos	Dichloropropane (1,2)	Pyrogens
Bacteria	Dioxin (2,3,7,8-TC-DD)	Radioactivity
Barium	Epichlorohydrin	Radium
Benzene	Ethylbenzene	Selenium
Beryllium	Ethylene dibromide (EDB)	Silica
Bicarbonate	Ferrocyanide	Silicate
Boron	Fluoride	Silver
Bromide	Giardia	Sodium
Bromodichloro-methane (THMs)	Hardness	Strontium
Bromoform (THMs)	Herbicides	Styrene
Cadmium	Hexachloro-benzene	Sulfate
Calcium	Hexachloro-cyclopentadiene	Sulphite
Carbon tetrachloride	Hydrocarbons	TDS (Total Dissolved Solids)
Chloride	Insecticides	Tetrachloro-ethylene (PCE)
Chlorine	Iron	Thallium
Chloroform (THMs)	Lead	Toulene
Chromate	Magnesium	Trichlorobenzene (1,2,4)
Chromium	Manganese	Trichloroethane
Copper	Mercury	Trichloroethylene
Cyanide	Monochloro-benzene	Turbidity
Detergents	Nickel	Vinyl chloride
Di(ethylhexyl) adipate	Nitrate (as N)	Viruses
Di(ethylhexyl) phthalate	Nitrite (as N)	Xylenes
Dibromochloro-methane (THMs)	PAHs	Zinc
		and many more...

Image: A detailed list of contaminants, including arsenic, chlorine, lead, fluoride, and many others, that the iFilters RO-550 system is capable of reducing or removing by up to 99%.

8. WARRANTY AND SUPPORT

For specific warranty details regarding your iFilters RO-550 system, please refer to the warranty card included in your product packaging or visit the official iFilters website.

If you require technical assistance, have questions about installation, operation, or maintenance, or need to purchase replacement parts, please contact iFilters customer support.

iFilters Customer Support:

[Visit the iFilters Store on Amazon](#)

(Refer to the official iFilters website for direct contact information.)



