PENTAIR
OMNIFILTER

OMF1S FILTRATION SYSTEM
INSTRUCTION MANUAL

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SPECIFICATIONS

Temperature Range: ..... 40-100°F (4.4-37.8°C)
Pressure Range: ..... 40-100 psi (2.75-6.89 bar)
Service Flow Rate @ 60 psi (4.1 bar): .....1.25 gpm (4.73 L/min)
Rated Service Life:.....1 year
Dimensions: .....12.25" x 3.5" x 4.8"
(311mm x 90mm x 122mm)
Weight (system only): ..... 1.6 lbs (0.72 kg)

PARTS INCLUDED

- Filter System with Cartridge
- Installation Hardware Kit
  - 3/8" white plastic tubing
  - 3/8" blue plastic tubing
  - Filter change reminder sticker
  - (2) #10-16 x 1.25"L screws
  - 3/8" x 3/8" Female compression fitting
  - 3/8" x 3/8" Male compression fitting

PRECAUTIONS

⚠ WARNING: Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. Chemical reduction unit.

CAUTION System must be protected against freezing, which can cause cracking of the filter and water leakage.

NOTE:

- **For cold water use only.**
- **Make certain that installation complies with all state and local laws and regulations.**
- **The system must be maintained according to manufacturer's recommendations, including replacement of filter cartridges. The contaminants or other substances reduced by the selected cartridge are not necessarily in your water. Ask your local water municipality for a copy of their water analysis, or have your water tested by a reputable water testing lab.**
- **After prolonged periods of non-use (such as during a vacation) it is recommended that the system be flushed thoroughly. Let water run for 5–6 minutes before using.**
- **The filter cartridges used with this system have a limited service life. Changes in taste, odor, and/or flow of the water being filtered indicate the cartridge should be replaced.**

CALIFORNIA PROPOSITION 65 WARNING

⚠ WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

TOOLS AND MATERIALS REQUIRED

- Safety glasses
- Adjustable wrench
- Tube cutter or utility knife
- Hand or electric drill (cordless recommended)
- 3/32" drill bit
- File
- Marker

INSTALLATION

NOTE:

- For standard under-sink installation on 3/8" x 3/8" compression threads
- Please read all instructions and precautions before installing and using your Filtration System
- Numbered diagrams correspond with numbered steps

1. Installing the Water Supply Adapter

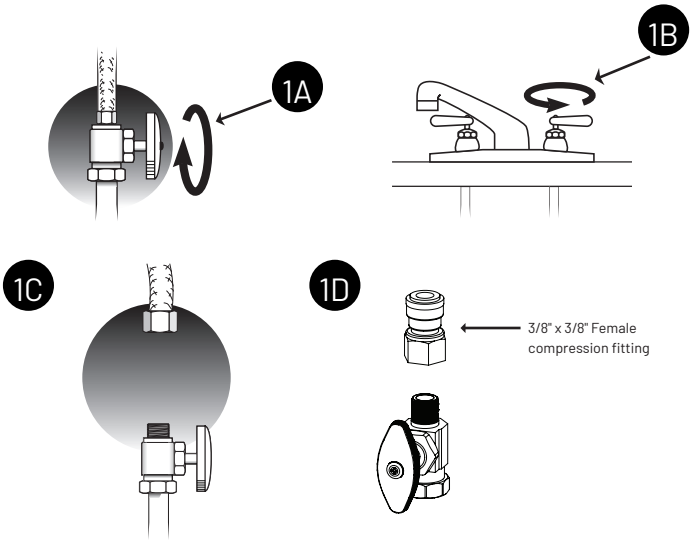
The supply adapter fits 3/8" x 3/8" compression threads. If local codes permit, it may be used to connect the system to the cold water supply line. If local codes do not permit the use of the supply adapter, alternate connectors can be obtained from your local supplier.

A. Turn off cold water supply line. If cold water line does not have a shut-off valve under the sink, you should install one.

B. Turn on the cold water faucet and allow all water to drain from line.

C. Disconnect cold water supply line.

D. Install the new supplied 3/8" Female compression fitting onto the supply valve. Caution not to overtighten. Finger tight plus one turn with a wrench is recommended.



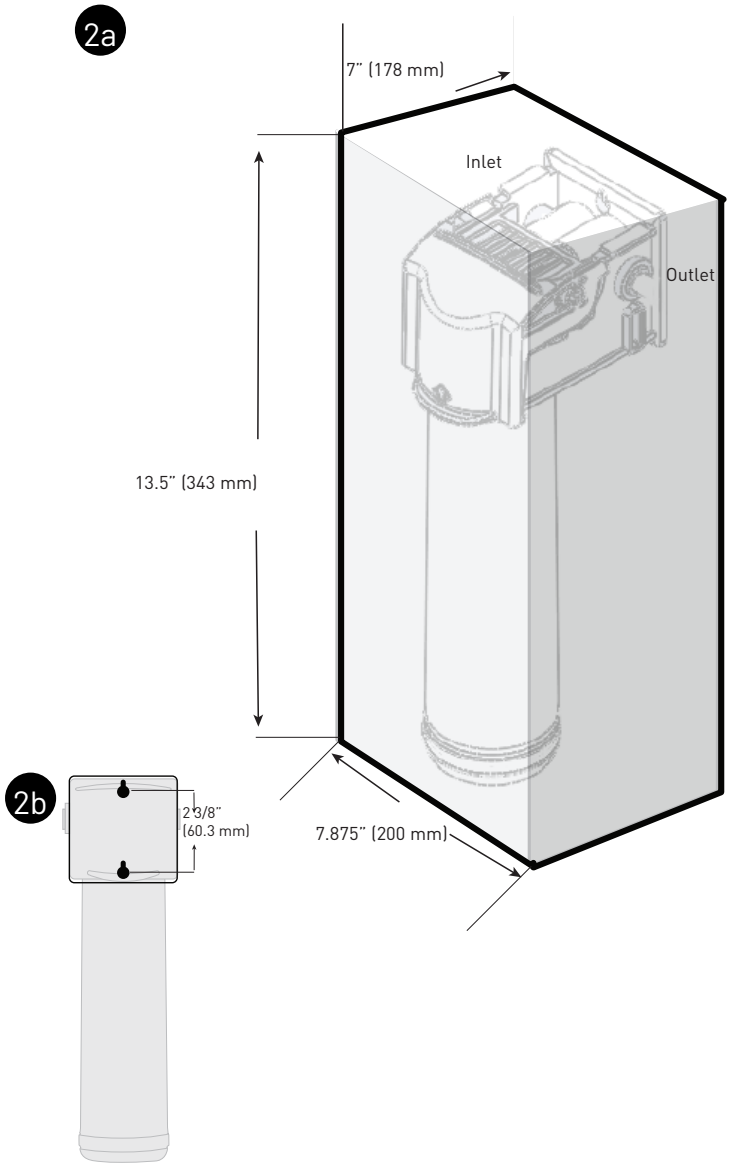
2. Mounting the System

A. Select a location under the sink, or other suitable area where the system will be installed.

NOTE: The system carton can be used to determine the operational footprint required for installation of the system and replacement cartridges. (Figure 2a)

B. Mount the system vertically. Dimensions in the diagram allow for cartridge or system removal. Ensure mounting is level. Use the 3/32" drill bit to create pilot holes for the mounting (Figure 2b).

⚠ WARNING: The system should be mounted to a firm, solid surface that is able to support the weight of the system.



INSTALLATION CONTINUED

3. Connecting the Faucet to the System

A. Locate the cold water supply hose that was disconnected from the cold water shut off valve in Step 1.

B. Attach the new 3/8" compression male fitting to the end of the cold water supply hose. Caution not to overtighten. Finger tight plus one turn with a wrench is recommended.

C. Determine the length of plastic blue tubing needed to connect to the outlet (right) side of the filter from the faucet. Be sure to allow enough tubing to prevent kinking and cut the tubing squarely. Use a marker to mark one end of the tubing 5/8" from the end (Figure 3). Wet the end of the 3/8" tube and push into the outlet (right) connection of the system up to the mark.

CAUTION Do not bend or crimp tube inserting.

D. Gently pull back on the tube to ensure it is connected properly.

4. Connecting to the Supply Adapter

A. Determine the length of plastic white tubing needed to connect the inlet (left) side of the filter with the supply adapter installed on the cold water supply line. Be sure to allow enough tubing to prevent kinking and cut the tubing squarely. Place a mark 5/8" from one end of the tubing. Wet the end of the tubing. Insert the end of the tubing into the 3/8" fitting of the inlet supply adapter. The 5/8" mark should be flush with the collar of the fitting located on the inlet supply adapter (Figure 4a).

B. Mark the remaining end of the tubing. Use a marker to mark 5/8" from the end. Wet the end of the tube. Insert the end into the feed connection on the inlet side (left) of the system. The tube should go in up to the mark. (Figure 4b).

5. Placing the System into Operation

A. Slowly turn on the cold water supply.

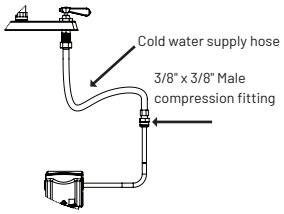
B. Open faucet and flush filter for 10 minutes. Discard water.

C. Check for leaks at all fittings before leaving installation. If leaks appear, see Troubleshooting.

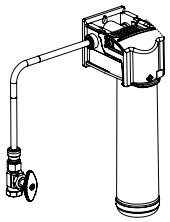
NOTE: A drinking water cartridge may contain carbon fines (very fine black powder). If carbon fines appear in the water, discard water. More flushing is required if carbon fines are present.

NOTE: Initially, filtered water may appear cloudy. If cloudiness in a glass of water disappears from the bottom; fine air bubbles are present. This air within the water will disappear within a few weeks after installation.

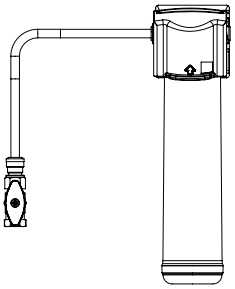
3



4a



4b



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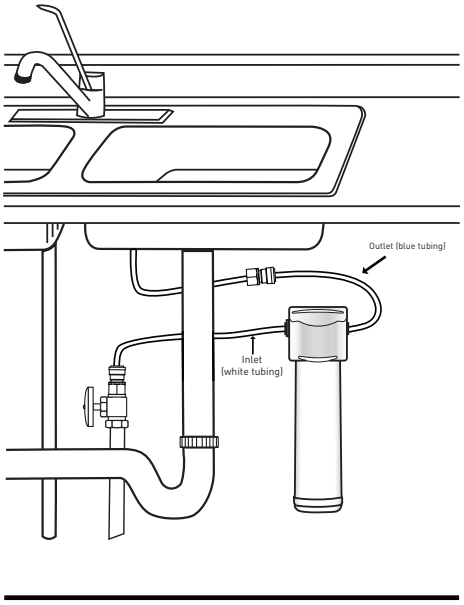


INSTALLATION IS NOW COMPLETE.

FILTER CARTRIDGE REPLACEMENT

NOTE: The life of the filter cartridges depends on water volume used and the quality of the feed water. It is recommended that the filter cartridges be replaced every 6-12 months, or when there is a noticeable change in taste, odor, or flow of filtered water.

Ensure the correct cartridge is purchased for the system.

Model OMF1S uses OMF1S-CTO Replacement Cartridge (part number 655119-94)

6. Cartridge Replacement

A. Relieve pressure by turning off the water supply to the system and opening a faucet until water flow stops. Place a bucket or towel under the system to catch any water drips (Figure 6a).

B. Lift the locking bar upward until the filter cartridge disengages from the filter head assembly (Figure 6b).

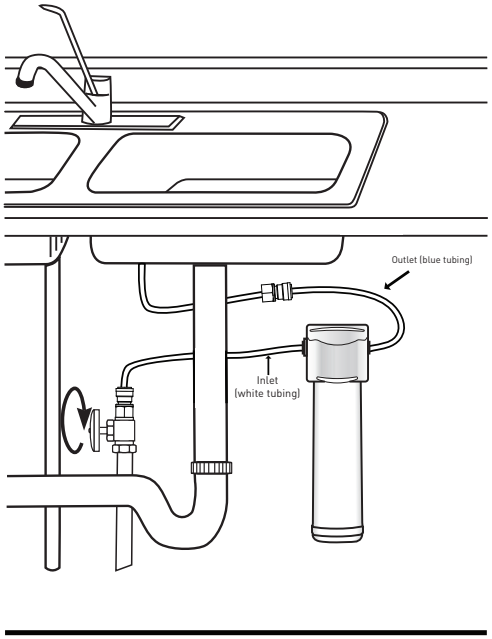
C. Pull the cartridge away from the filter head assembly and ensure the locking bar remains in the fully up position (Figure 6c).

D. Align the posts on the filter cartridge with the ports in the filter head assembly. Slide the cartridge filter towards into the filter head assembly engaging with the locking bar causing it to drop forward and down. (Figure 6d).

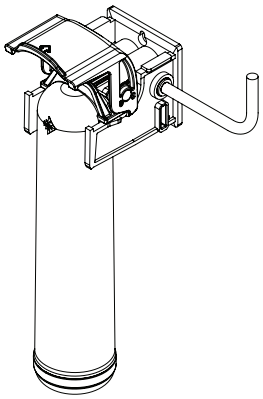
E. Pull down the locking bar until it snaps into place (Figure 6e).

NOTE: See Placing the System into Operation section for remaining steps.

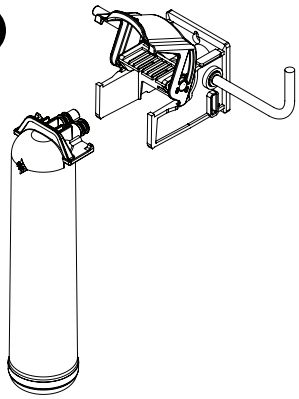
6a



6b



6c



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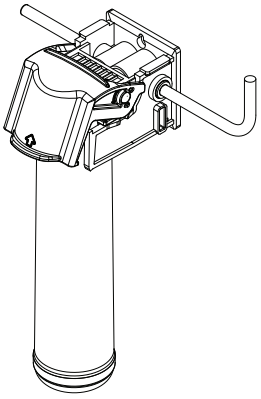

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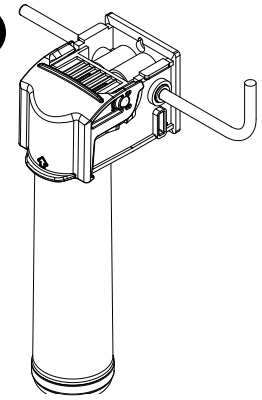


TROUBLESHOOTING

Leaks between filter head assembly and filter cartridge

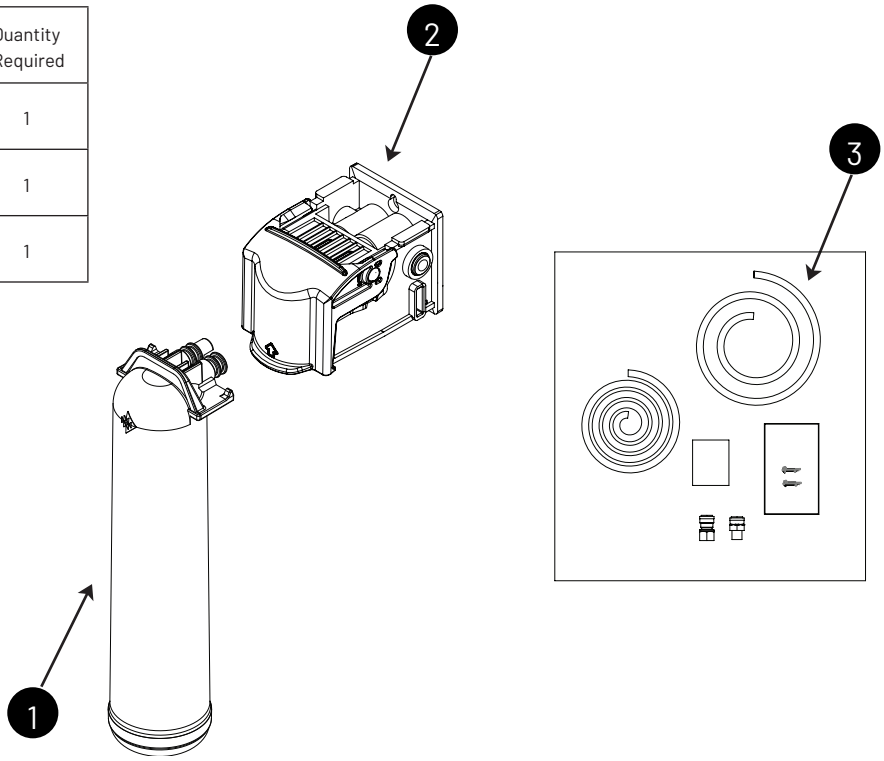
1. Relieve pressure by turning off the water supply to the system and opening faucet until water flow stops. Place a bucket or towel under the system to catch any water drips.
2. Remove cartridge and inspect O-rings to make sure they are seated and clean.
3. Install filter cartridge. Place system into operation and check for leaks. If leaks persist, turn off the water supply and contact Technical Support at 1-800-279-9404.

Leaks from tubing fittings

1. Relieve pressure by turning off the water supply to the system and opening faucet until water flow stops. Place a bucket or towel under the system to catch any water drips.
2. Depress collet on system or inlet supply adapter tubing fittings and pull tubing from fitting. Inspect surface of tubing for scratches or debris. Clean or cut back tubing to access clean surface.
3. Wet the end of the inlet tubing and press into the inlet fitting of the system. Ensure the tubing is fully pushed past the fitting O-rings. Place system into operation and check for leaks. If leaks persist, turn off the water supply and contact Technical Support at 1-800-279-9404.

REPLACEMENT PARTS

Item Number	Part Number	Description	Quantity Required
1	655119-94	Cartridge OMF1S-CTO	1
2	4007144	Filter Head Model OMF1S	1
3	4007135	Installation Kit	1



For replacement parts, call 800.279.9404

PERFORMANCE DATA

Important Notice: Read performance data and compare the capabilities of the system with your actual water treatment requirements. It is recommended that the supply water be tested, before installing a water treatment system, to determine your water treatment needs.

Test Conditions

Flow Rate= 1.25 GPM (4.73 L/min)

Filter Capacity

Capacity= 5,000 gallons (18,927 L)
Inlet Pressure= 60 psi (4.1 bar)
Temperature= 68°F +/- 5°F (20°C+/- 2.5°F)

Testing was performed under standard laboratory conditions, actual performance may vary.

Operating Requirements for OMF1S system:
Pressure= 40-100 psi (2.75–6.89 bar)
Temperature= 40-100°F (4.4–37.8°C)

OMF1S SYSTEM INSTALLED WITH OMF1S-CTO FILTER CARTRIDGE

This system has been tested according to NSF/ANSI 42 and for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water exiting the system, as specified in NSF/ANSI 42.

Model OMF1S

Substance	Influent Challenge Concentration	Reduction Requirements	Average Reduction
Standard 42			
Chlorine Taste & Odor	2.0 mg/L±10%	≥50%	95.9%

Flow Rate = 1.25 gpm (4.73L/min); Capacity = 5,000 gallons (18,927 L)

Testing was performed under standard laboratory conditions, actual performance may vary.

NSF

The Model OMF1S is Tested and Certified by NSF International against NSF/ANSI Standard 42 for the reduction of substances specified on the Performance Data Sheet.

For Pentair Product Warranties visit:
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