

# American PLUMBER®

## Undersink Water Filter Installation and Operating Instructions Model W38-PRA



**NOTE:** This filter housing does not include a filter cartridge

### Specifications

Temperature Range: 40–100°F (4.4–37.7°C)  
Pressure Range: 30–125 psi (2.1–8.62 bar)

### Parts Included:

- Filter housing assembly
- Instructions

### Precautions

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

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

**CAUTION:** The rubber o-ring provides the water-tight seal between the cap and the bottom of the housing. It is important that the o-ring be properly seated in the groove below the threads of the housing or a water leak could occur.

**CAUTION:** Because of the product's limited service life and to prevent costly repairs or possible water damage, we strongly recommend that the bottom of all plastic housings be replaced every ten years. If the bottom of your housing has been in use for longer than this period, it should be replaced immediately. Date the bottom of any new or replacement housing to indicate the next recommended replacement date.

**CAUTION:** Clear housings may crack or craze in time causing failure and leakage if exposed to organic solvents such as those found in aerosol sprays for cleaning products and insecticides.

### Tools and Materials Required

- 3/8" compression elbows and fittings for copper pipe
- 3/8" plastic Tubing
- Teflon® tape
- File
- Pencil
- Screwdriver
- 2 adjustable wrenches
- Pipe cutters or hacksaw
- WW38 housing wrench (optional)

### NOTE:

- For cold water use only.
- Do not install where system will be exposed to direct sunlight.
- Make certain that installation complies with all state and local laws and regulations.
- The contaminants or other substances removed or 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 that the cartridge should be replaced.
- Some harmless bacteria may attack cellulose media cartridges. If your cartridge seems to disintegrate or develops musty or moldy odor, switch to a synthetic media cartridge or consult the manufacturer.

# Installation

- Please read all instructions, specifications, and precautions before installing and using this filter.
- For installation on standard 3/8" undersink pipe.
- Use only Teflon® tape for fitting housing connections.
- Install filter cartridge in filter housing according to the filter cartridge replacement instructions (below) before proceeding with installation. See Filter Cartridge Selection Guide on p.3 to determine the best cartridge for your filtration needs.
- Install filter after water meter or pressure tank.
- Numbered diagrams correspond with numbered steps.

1. Turn off cold water supply (A) and open nearest faucet (B) to release pressure in pipes before starting installation. (C) Apply about 3-4 inches of Teflon tape in clockwise direction to pipe threads of each adapter.

2. If mounting bracket (not supplied) is to be used, first use bracket as a template to mark screw locations on wall (D). Insert mounting screws into wall. Leave a space the thickness of a nickel between the head of the screw and the wall to slip bracket onto screws. Then place bracket over the cap and align with inlet and outlet ports (E).

**NOTE:** Allow 1½ inches clearance below housing to enable filter cartridge changes.

3. (F) Assemble all fittings. Start adapters into cap by hand. Use a wrench to tighten firmly. DO NOT OVER-TIGHTEN. About one thread should remain visible. Mount filter in marked location using bracket (see step 2)

Using a pipe cutter or hacksaw, remove a 3" section of pipe from the 3/8" cold water line and deburr ends.

Disassemble nuts and ferrules from required fittings.

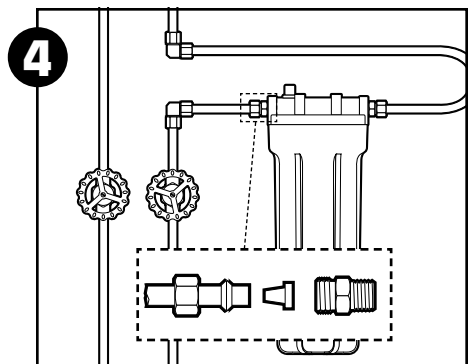
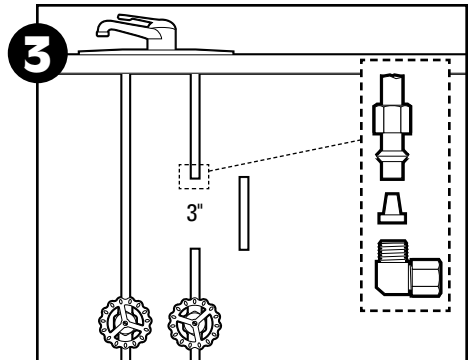
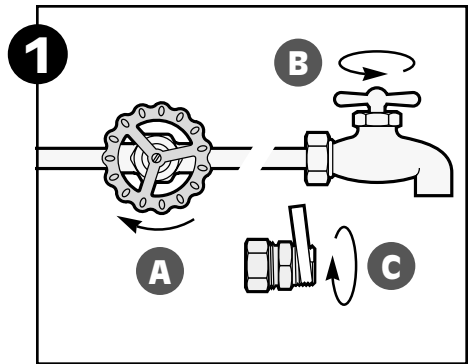
**NOTE:** Use brass ferrules with copper tubing, and plastic ferrules with plastic tubing.

Install 3/8" compression elbows on tubing ends as shown. Tighten compression nuts firmly using two wrenches.

4. Connect the filter housing to the compression elbows using plastic tubing. Measure and cut the tubing, making sure lengths are long enough to prevent kinking. Assemble as shown and tighten the compression nuts 1 to 2 turns using two wrenches.

5. Slowly turn on water supply to allow filter to fill with water, then depress red pressure-relief button on top of cap to release trapped air. Check for leaks before leaving installation.

**NOTE:** A drinking water cartridge may contain carbon fines (very fine black powder). Run the tap for at least 20 seconds prior to using water for drinking or cooking purposes.



## Filter Cartridge Replacement

- A.** (1) Turn off water supply to filter. (2) Depress red pressure-relief button to release trapped air. (3) Remove bottom of housing by turning clockwise.

**NOTE:** If turning off water supply to the filter will also turn off water to the rest of the home, be sure to fill a bucket of water first to allow you to clean housing after it has been removed.

- B.** Locate and remove large o-ring (4), wipe clean of lubricant and set aside.

Discard used cartridge (5). Rinse out bottom of housing and fill 1/3 full with water. Add 2 tablespoons of bleach and scrub cap and bottom of housing with non-abrasive sponge or cloth. Rinse thoroughly.

Lubricate o-ring (4) with clean silicone grease. Insert o-ring back into groove and smooth into place with finger.

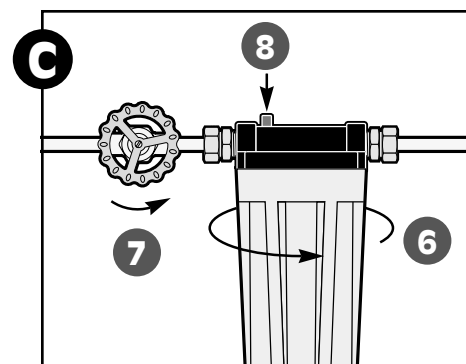
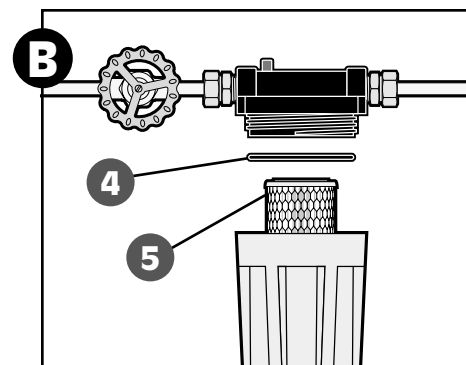
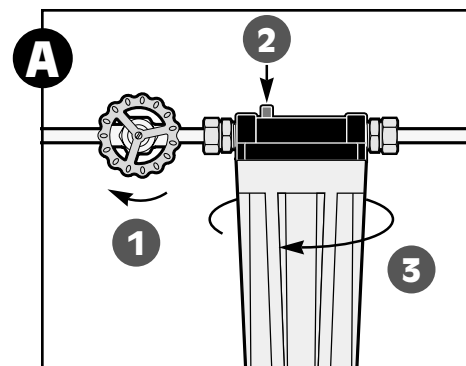
**NOTE:** This step is important to ensure proper housing seal. Make sure o-ring is seated level in the groove.

Insert new cartridge (5) over standpipe in bottom of housing.

- C.** (6) Screw bottom of housing onto the cap and hand-tighten. DO NOT OVERTIGHTEN. Make certain cap standpipe slips into cartridge.

(7) Turn on water supply slowly to allow filter to fill with water. (8) Depress red pressure-relief button to release trapped air. Flush cartridge for 15 minutes before use.

Check for leaks before leaving installation.



## Troubleshooting

### Leaks...

#### between cap and bottom of filter housing:

1. Turn off water supply and press the red pressure-relief button. Remove bottom of housing.
2. Clean o-ring and o-ring groove (located directly beneath threads of housing). Lubricate o-ring with clean silicone grease and replace securely into groove. Screw bottom of housing onto cap and hand-tighten. DO NOT OVER-TIGHTEN.

#### on inlet/outlet connections:

1. Turn off water supply. For brass fittings, tighten nut snugly about 1/2-turn with a wrench.
2. Turn on water supply. If leaks persist, or if there are other leaks on system, turn off water supply. Call American Plumber Technical Support at 800.863.9392.

## Drinking Water Cartridge Selection Guide

	W5CIP 155002-51	WCC 155155-51	W5CB 155162-51	WLC-R 155268-51
<b>Reduces</b>				
Sediment	•		•	•
Bad Taste & Odor	•	•	•	•
Chlorine Taste & Odor		•	•	•
Lead & Mercury				•
<i>Cryptosporidium &amp; Giardia</i>			•	•
Filter Life in gallons (months)*	250 (3)	500 (6)	1,000 (12)	600 (6)
Service flow rate gpm (Lpm)**	1.0 (3.8)	1.0 (3.8)	0.9 (3.4)	0.6 (2.3)

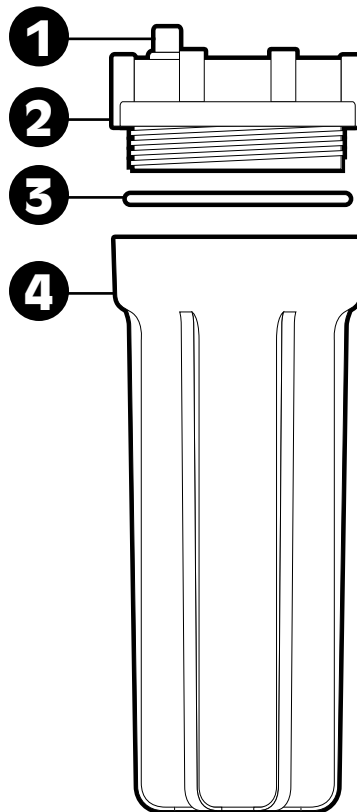
\* Filter cartridge life varies depending on filter type, usage and water conditions.

\*\* Flow rates measured at 60 psi (4.1 bar).

## Replacement Parts

1	151039	Pressure-Relief Button Kit
2	154108	Black Cap (W/PR 3/8")
3	152031	O-ring (W38-OR)
4	153035	Gray Housing (W38-PRA)
5	152036	WW38 Housing Wrench (not included, not shown)

For replacement parts, contact your nearest American Plumber Water Filter dealer or call **800.645.5428**.



### Warranty

American Plumber warrants to the original owner (under normal use): Water Filter Housings to be free from defects in material and/or workmanship for five (5) years from the date of

original warranty period. This warranty does not cover: (1) filter cartridges (2) damage due to lightning or other conditions beyond the control of American Plumber (3) defects not rep

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can Plumber, (7) problems and/or damage resulting in whole or in part from alteration, modification, repair or attempted alteration, modification or repair by any party other than American Plumber, (8) noncompliance with applicable codes/ordinances.

If a defect in workmanship and/or material in a product or part covered by the warranty should arise, American Plumber, at its sole discretion, will repair or replace the defective product or part (American Plumber may consider, in good faith, the customer's preference).

All claimed defective product

or part (3) returned to American Plumber prior to the expiration of the warranty date, at the customer's expense, shipment pre-paid, (4) be accompanied by a letter detailing the Model Number, Serial Number (if any), and a brief description of the problem.

TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, AMERICAN PLUMBER DISCLAIMS ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, WITH REGARD TO THE PRODUCTS, PARTS AND ANY ACCOMPANYING WRITTEN MATERIALS.

To the maximum extent permitted by applicable law, American Plumber shall not be liable for any damages whatsoever (including, but not limited to, loss of time, inconvenience, expenses, labor or material charges incurred in connection with the removal or replacement of the Water Filter Housing, special, incidental, consequential, or indirect damages for personal injury, loss of business profits, business interruption, loss of business information, or any other pecuniary loss) arising out of the use of or

American Plumbers' maximum liability under any provision of this Limited Warranty shall be limited to the amount actually paid for the Water Filter Housing.

NOTE: Because some states do

THIS WARRANTY GRANTS SPECIFIC LEGAL RIGHTS, AND OTHER RIGHTS MAY APPLY. SUCH RIGHTS VARY FROM STATE TO STATE.

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