



Assembly and Installation of BF.HG-34

WARNING:

Under no circumstances does the system change or alter the proper application and/or routine maintenance required or recommended by the manufacturer of any product. The maximum water pressure for safe operation is 75psi. For use with cold water inlet only. Do not remove the meter or gauge. Prevent any thermal expansion or hot water flow into filter from water heater. Only Teflon tape should be used in installation, be sure not to strip threads and overtighten, this may cause leaks. Use of pipe dope, any grease, or solvents on the threads will void warranty.

Your new unit comes preassembled with:

- A: (1) 5-micron pre-sediment filter & poly phosphate spheres. (It is normal for the spheres within to move freely within and make noise)
- B: (1) Housing and cap
- C: (1) Mounting bracket
- D: (1) Pressure differential gauge (The gauge is pressure based and will properly display when water is flowing through the system)
- E: (1) Spanner wrench
- F: (1) Rubber O-Ring



Installation Steps:

Note: See images below for more information.

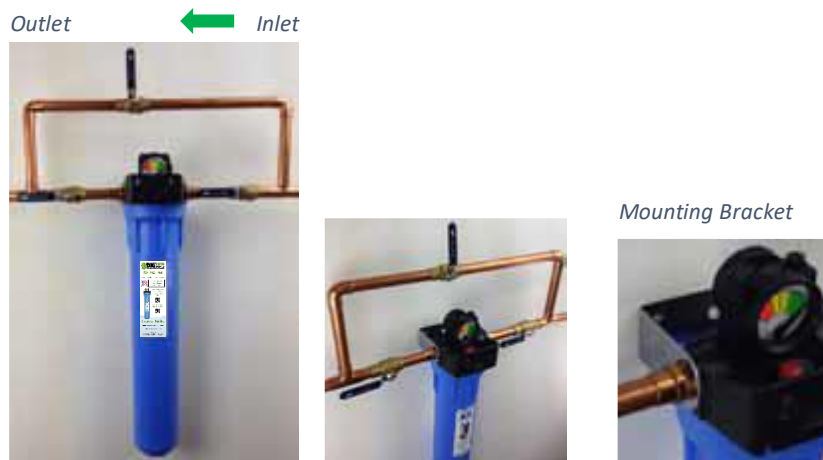
1. The unit can be mounted both indoors and outdoors, choose a location near the water heater where it will not be exposed to temperatures above 120°F, direct sun light, heat, or freezing temperatures. Avoid attic locations. Your BF.HG-34 is initially setup for a left to right direction of flow, if you wish to install your unit with a right to left direction of flow turn the unit around and use the mounting bracket provided and reverse directions below (see images below). On the filter cap two arrows show the direction of flow for either setup.
2. Turn off water supply and route cold water into the inlet side of the BF.HG-34 unit. Installing a bypass valve is highly recommended for proper maintenance. Install the bypass valve with copper pipe for electrical continuity. If a bypass valve is not installed, a copper wire clamped between any metal piping before and after the unit is needed to maintain ground continuity.
3. Connect the cold inlet from your water heater into the outlet of the BF.HG-34 unit. Please refer to your water heater's user manual for specific procedures.
4. Turn on water supply and slowly allow housing to fill. Press in the red pressure release button on the unit cap to de-pressurize the unit. Check for leaks before finishing.

LEFT TO RIGHT DIRECTION OF FLOW



RIGHT TO LEFT DIRECTION OF FLOW

Note: With a right to left direction of flow, use the mounting bracket provided.



EXAMPLES OF TANKLESS AND STANDARD TANK WATER HEATERS

Note: In both examples below, a bypass valve is installed at the inlet



Tankless



Standard Tank