

Big Blue Filter Housing & Cartridge System Installation



Temperature Range: 40 – 100 F

Pressure Range: 30 – 100 PSI

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

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

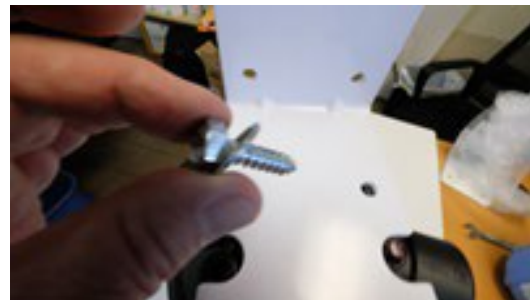
- **Install on water line coming from chiller going to the ICC / HEC only.**
- Do not install outdoors.
- Make certain that installation complies with all state and local laws and regulations.
- For prolonged periods of non-use (such as prolonged system downtime), it is recommended that the system be flushed thoroughly. Let water run for at least 5–6 minutes before using.
- The filter cartridge has a limited-service life (based on water quality). A decrease in water flow indicates that the cartridge should be replaced.

Filter Housing Installation Instructions

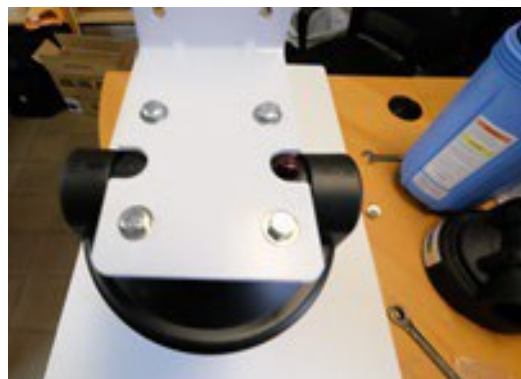
1. Install the Big Blue filter housing in the desired location in the water treatment system. The cap is marked "IN" and "OUT" on the top of the housing.



2. Mount the housing to the bracket using the supplied self-tapping screws, orienting the housing to match the applications desired flow direction. If you need to position the flow direction to right or left, the bracket will need to be turned 180 degrees.



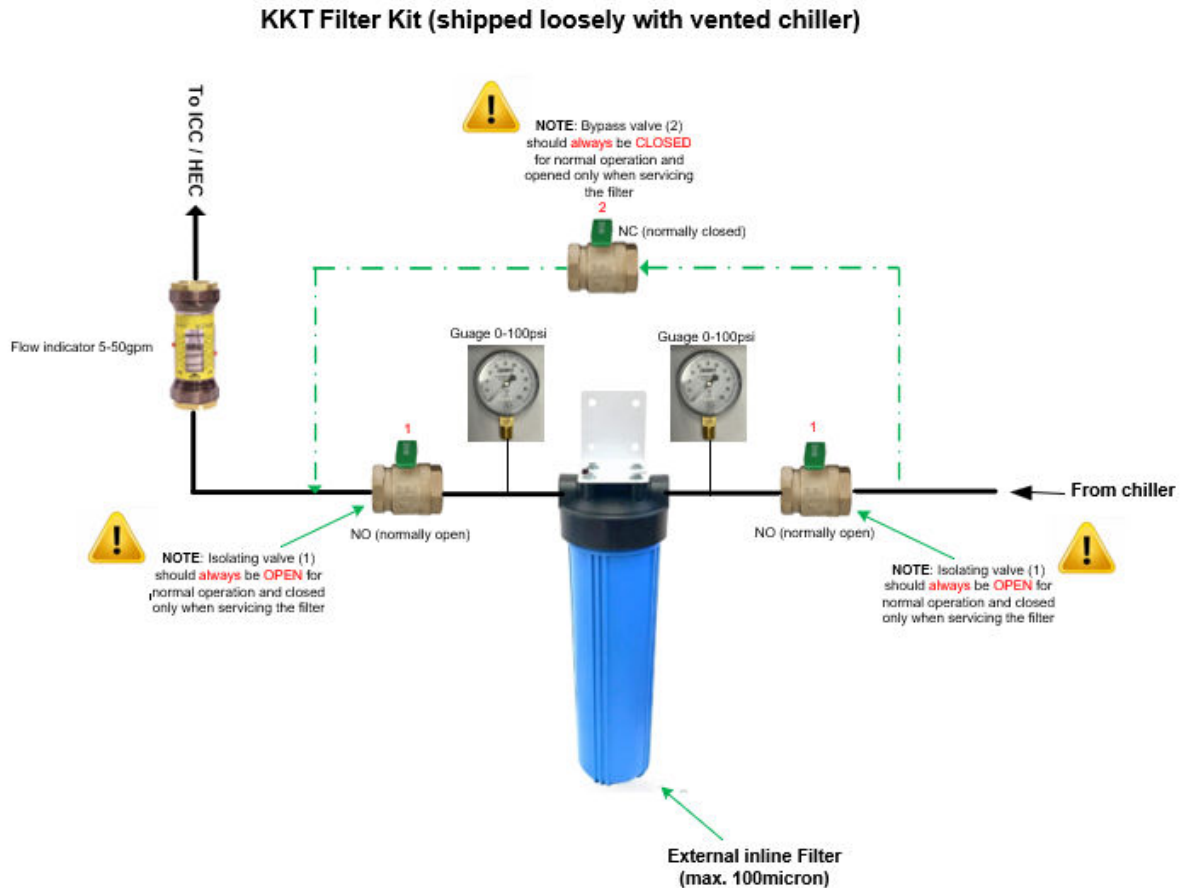
3. Next mount the filter housing to the wall using appropriate fasteners for your wall material. Mount on a solid surface or secure a board or piece of plywood on wall stud. Filter housing will be heavy when full of water.



4. The inlet plumbing will be attached to the "IN" port on the filter housing. The outlet plumbing from the Big Blue filter will be attached to the "OUT" port.



5. Install isolating valves and pressure gauges (pressure differential) before and after the big blue filter housing (see diagram below).



6. Install pipe fitting by wrapping the threads with 2 – 3 wraps of Teflon tape, followed by a thin coating of Teflon joint compound. Tighten snugly but do not overtighten. Do not use more than 3 wraps of Teflon tape. The combination of some Teflon tape with joint compound works best for leak-free installation.



7. Now install the filter cartridge in the Big Blue housing by removing the sump from the housing.



8. There is a notch in the bottom of the sump that will center the filter in the housing. Unwrap the filter cartridge from any wrapping and install it in the sump. If you are using a carbon filter or specialty filter, be sure the rubber washer seals are in place when you install the filter cartridge.



9. Coat the O-ring and threads on the sump with food grade silicone grease and install the O-ring in the filter sump.

10. Applying lubrication to the sump threads will aid in removing the sump when the filter needs to be changed.

11. Now install the sump in the filter cap and turn it clockwise to tighten the filter.

12. Once it is hand tight, use the supplied wrench to tighten it an additional 1/4-1/2 turn. Repeat this step for each filter sump in the system.

13. Turn water back on and then open up hose bib after filter or use red button pressure relief to remove air from filter housing.

How to Change the Filter Cartridge

1. Open bypass isolating valve (2) and close isolating valves (1) before and after the Big Blue Filter Housing.
2. Use the supplied filter wrench to remove the sump by turning it counterclockwise.
3. **WARNING!** the filter sump will be somewhat under pressure and will be imperative that the water pressure is slowly released prior to attempting to remove the filter sump.
4. Remove the sump by spinning it counterclockwise until the sump is completely removed.
5. Remove the old filter and discard.
6. Install the new filter in the sump.
7. Lubricate the o-ring and filter housing bottom threads with food grade silicone grease.
8. Install the filter sump in the filter cap by turning it clockwise until it is hand tight.
9. **NOTE:** The housing should spin on and tighten easily. If not, add more lubrication to the sump threads. This will aid with removing the sump when the filter needs to be replaced again.
10. Once the filter sump is hand tight, tighten it an additional 1/4-1/2 turn with the supplied filter wrench.
11. **Close** bypass isolating valve (2) and **open** isolating valves (1) before and after the Big Blue Filter Housing.
12. Check the housing for leaks and repair as necessary.