

Replacing Cascadian ICS Filters

How often should you change your filters?

Generally, a Cascadian filter for an ICS System lasts about a year. Water quality and volume filtered affect how long a filter will last and this is different for every location. Even if you do not see any signs (as indicated below), it is still recommended to follow this replacement schedule.

To make this easy, every ICS System and replacement filter comes with a Filter Monitor to remind you to regularly replace your filter. The Filter Monitor is a backup to a 12-month calendar reminder. It provides a visual alert for when most filters need to be changed. Mark the Filter Monitor with the date of filter change.

Signs it is time to replace your filter

- 1 year has passed since your ICS System was installed or filter changed
- You no longer notice soap bubbles the difference, your filter likely needs to be changed
- The same goes for water spots. If they are not easier to clean in your treated vs non-treated water, it is past time to change your filter
- When the taste changes, or odor or staining reappears, these again are signs your filter needs to be changed
- And lastly, if your System has a sediment and/or carbon filter (and if pressure gauges are installed), then it is good to monitor over time the pressure difference between the inlet and outlet values. When you begin to see a change (say 3 - 5 psi different than when first installed), that is a good additional indication that it is time to change your filters
- Make note as to how long the filter was in service before it needed changing and let this be your personal guide to filter changing frequency

Be Prepared

- Make sure to protect surrounding area from possible water spill
 - Get rag and prepare diluted bleach water. Dilute household bleach ¼ cup to a gallon of water. Note: it is critical to read and follow safety instructions with any product you use
 - If needed have a container ready to collect water from housing, approximately 3-5 gallons will be fine
- **Determine direction of water flow**
- Housing Cap has arrows indicating flow direction. If not clearly identified mark valves and Cap for future reference
 - Note location of Bypass valve

Replace Filters

■ **Remove and dispose of exhausted filters**

- First drain the Housing(s)
 - Start by turning off the water Inlet and Outlet valves
 - Open the Bypass valve
 - Open the Air Vent to relieve pressure and allow Housing to drain
 - Empty the Housing by opening the Housing Bottom Drain Valve
- Remove Housing
 - Once empty, use the housing wrench (if needed) to loosen the housing(s)
 - Finish removal by turning with hands. **Caution: the housings will be heavy, so take precautions do not drop and damage Housing or Bottom Drain Valve**
- Remove and dispose of used filters into sanitary landfill

■ Prepare for new filters

- At this point, it is important to stop and disinfect the housing(s) prior to installing the cartridges. That includes washing your hands, but also wiping the inside with a clean cloth and diluted bleach
- Check O-ring making sure it is clean, seated on groove and lubricated with sil-lube
- Close the Housing Bottom Drain Valve

■ Install new filters.

- **Important Notes;**
 - If you are using a **PolyCor™** filter System, then make sure to insert the **Blue Cap Up** in the Housing
 - If you are using an **ICS-P, ICS-PH, or ICS-H**, then install the **gasketed end up** in the Housing
 - All others can go either way
- Remove the protective wrap on the filter. If installing more than one System or a two-filter System remove protective wrap one at a time taking note as to which filter goes into which housing
- Insert filters into Housing following notes above. For proper operation be sure to install the filter(s) in their **specified order**
- From here, once complete, hand-tighten (**DO NOT** use the Housing Wrench) to re-install the Filter Housing to Filter Cap



Prepare for Use

Final steps to finish changing your filters.

- Activate and install Filter Monitor assembly
 - Attach Timer to Magnetic Card and depress bubble pack on timer to activate. When properly activated a red line will appear in the timer window. It is a good idea to write the date of the filter change on the Filter Monitor.
 - Place Filter Monitor assembly some place visible, like on the kitchen refrigerator or on the System Wall Mount Bracket
- Close all valves: Inlet, Outlet, Bottom Drain, Bypass Valve, and the Air Vent
- Open Air Vent approximately 1 complete turn
- Open inlet valve just enough to let water flow slowly. This will fill the Housing with water and force air out the Air Vent
- When air has escaped water begins to flow out the Air Vent close the Air Vent
- Check for and leaks and repair if needed. Pay close attention to the O-ring between the Cap and Housing
- Clear any air and filter fines
 - Fully open a treated water tap downstream
 - Let the water run, usually around five minutes, or until it runs clear. Once the water is clear, all filter fines and air bubbles will be out of the System and plumbing

Ready to use

Congratulations! Your ICS System recharged and is now ready to use and enjoy!

Never be without high quality water again;

Consider our Autoship and Save Program during your next replacement filter purchase

Replacement Parts

ICS System	Replacement Filter Kit	Replacement O-Ring	Replacement Wrench	Bottom Drain Valve
ICS-H	ICS-HK	AF-ORING45	AF-WRENCH45	AF-DRAINKIT
ICS-P	ICS-PK			
ICS-PH	ICS-PHK			
ICS-S5	ICS-S5K			
ICS-SI	ICS-SIK			
ICS-SIP	ICS-SIPK			
ICS-SP	ICS-SPK			
ICS-ST	ICS-STK			
ICS-STP	ICS-STPK			
ICS-TO	ICS-TOK			
ICS-TP	ICS-TPK			

DIAGRAMS

Recommended Installation

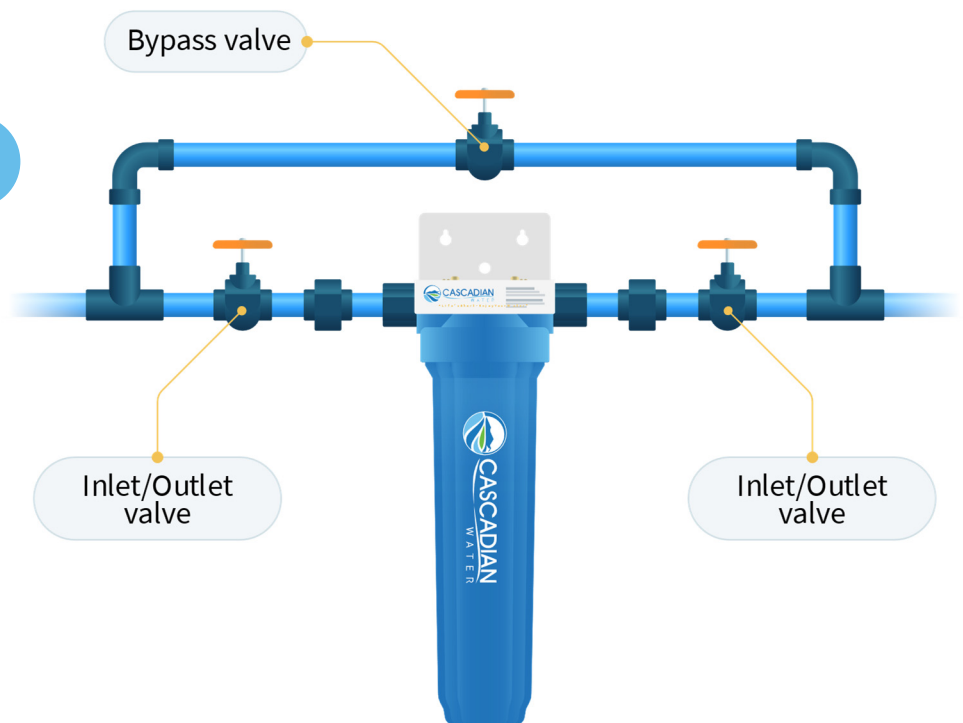
Valve Positions

Filter Changing / Maintenance:

- Inlet/Outlet valves - CLOSED
- Bypass valve - OPEN

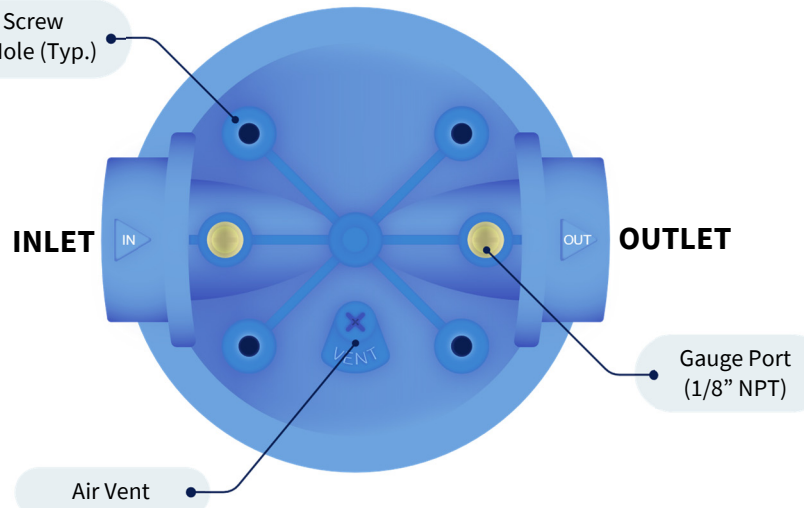
Normal Service:

- Inlet/Outlet valves - OPEN
- Bypass valve - CLOSED



DIAGRAMS

Housing Cap View



Housing View (Typ.)

