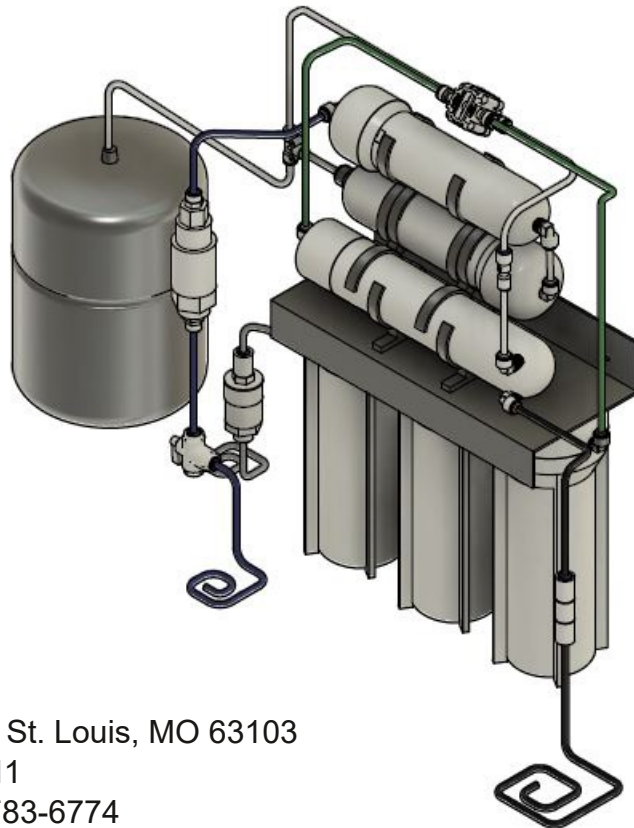




# WFS4

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# WFS4

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## Included Items:

- WFS4 Assembly – stages 1-6 with correlating tubing, fittings, filters, and regulating components
- Water Storage Tank with valve
- TDS Meter
- Membrane housing wrench
- Filter housing wrench (stages 1-3)
- 2–3-year supply of replacement filters:
  - o Qty. (6) of Stage 1 filter
  - o Qty. (3) of Stage 5 filter
  - o Qty. (6) of Stage 2 filter
  - o Qty. (3) of Stage 6 filter
  - o Qty. (6) of Stage 3 filter

**• Verify that there are no leaks. If a leak is detected, disconnect the filtration system from the supply inlet and tighten the canisters and/or ensure each tube within the assembly is adequately pressed into each John Guest fitting.**

2–3-year replacement filter bundles available for purchase – P/N:101325. \*Stage 4 replacement not included with original system.

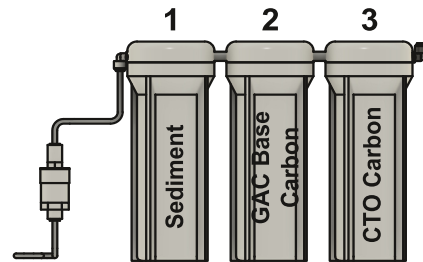


# WFS4 Installation Guide

**1**

\*Connect The Building Water Supply through the input Pressure Regulator to Stage 1, 2, & 3 (Clear Tubing)

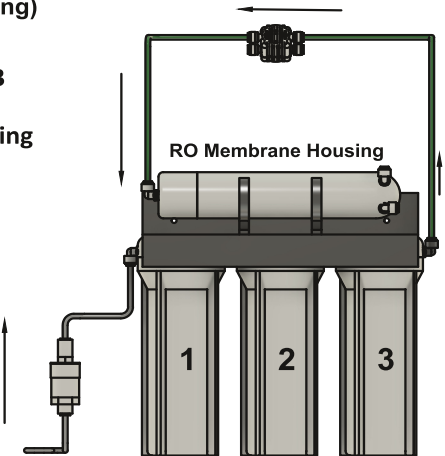
\*Replacement Note - When filters have been replaced during stages 1-3, It is **Important** To flush out the **FIRST 3 GALLONS**. New Filters will have loose carbon as a byproduct of the manufacturing.



**2**

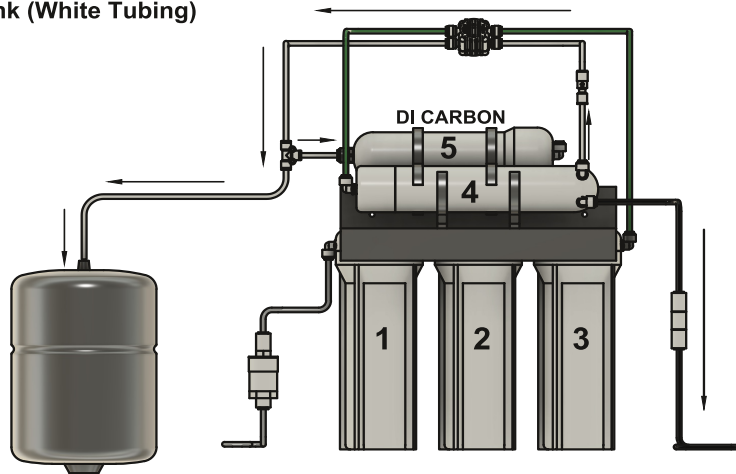
\*Connect Stage 3 (CTO Carbon) To The ASO Valve, Then Into Stage 4 (RO Membrane Housing) (Green Tubing)

\*Replacement Note - After Stages 1-3 are purged, reconnect the stage 3 output line into the ASO valve according to the WFS4 diagram.



**3**

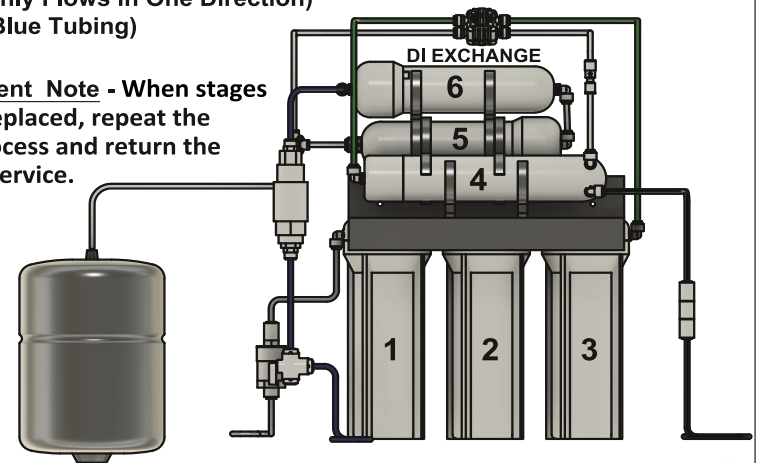
\*Connect the Drain Valve to Stage 4 (Black Tubing)  
\*Connect Stage 4 To the ASO Valve Then into a Tee Connecting to Stage 5 and the Water Storage tank (White Tubing)



**4**

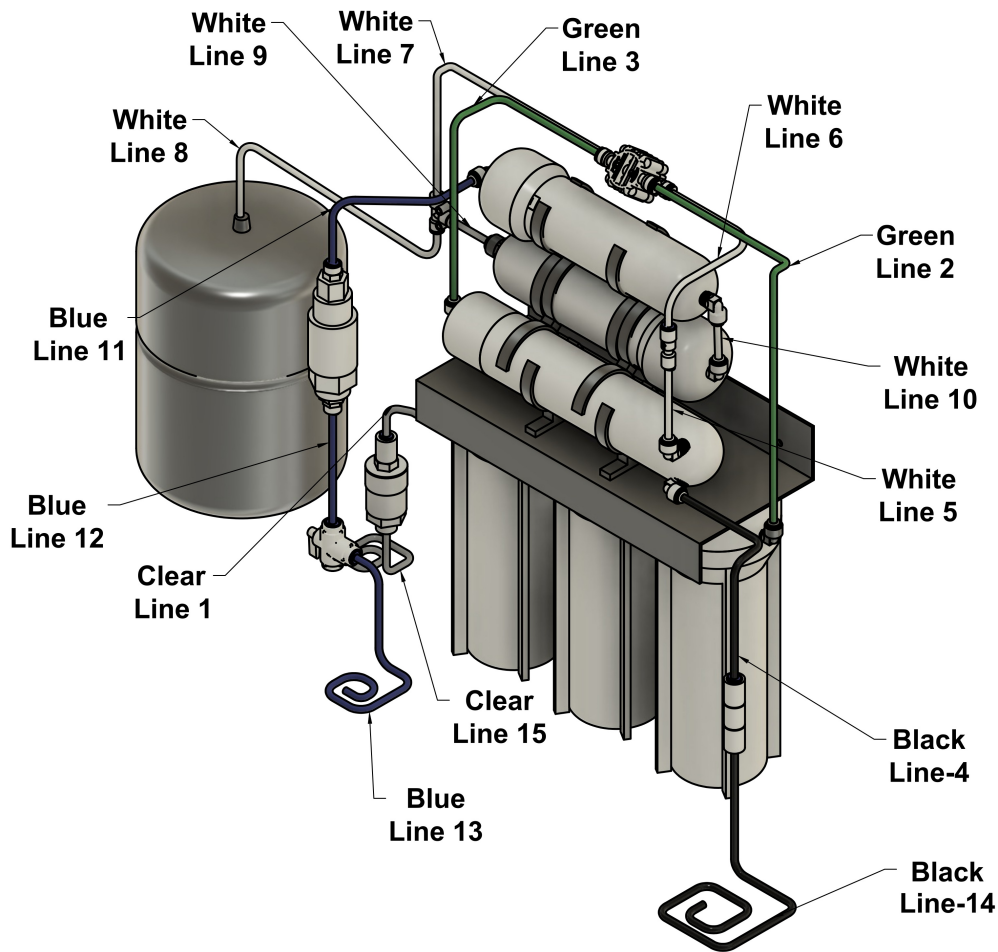
\*Connect Stage 5 To Stage 6 (White Tubing)  
\* Connect Stage 6 to The Outgoing Regulator Into the Service Valve Then the Humidifier (The Service Valve Only Flows in One Direction) (Blue Tubing)

\*Replacement Note - When stages 5 & 6 are replaced, repeat the purging process and return the system to service.

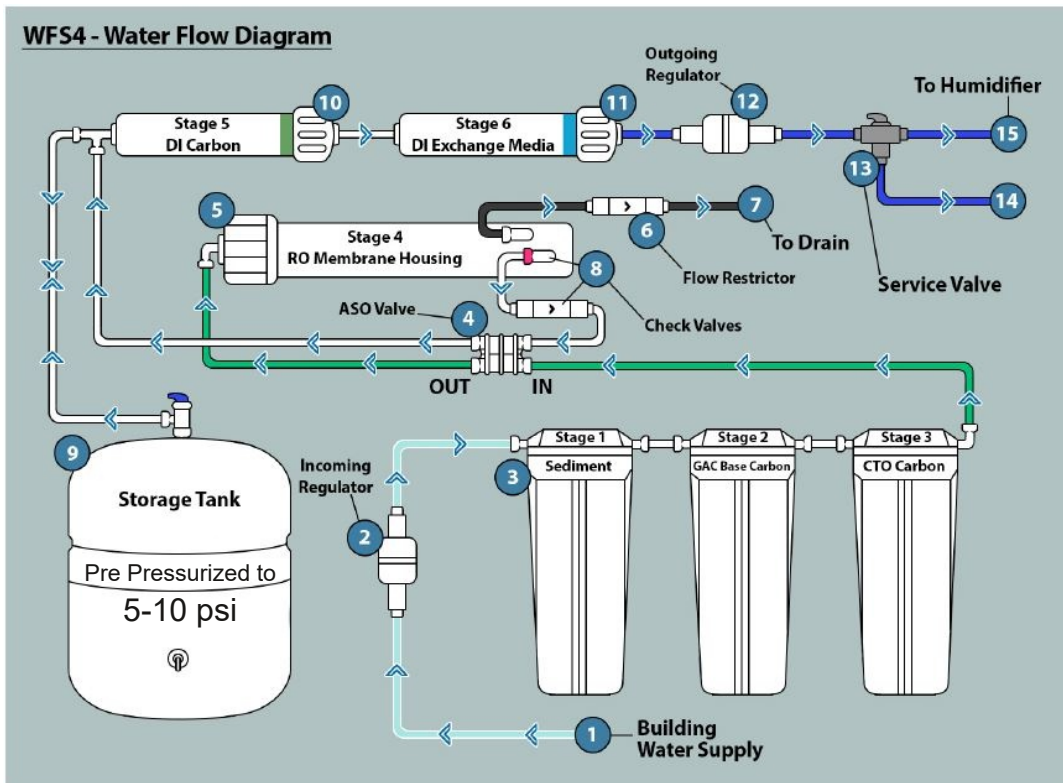


Refer to page 4 for Water flow





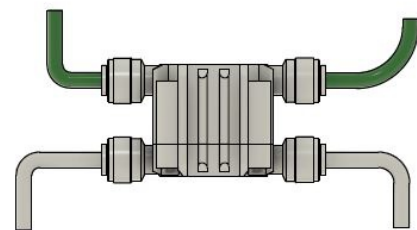
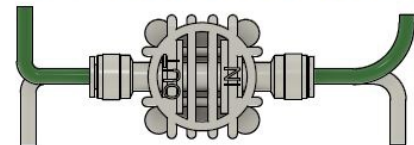
- 1) Building water must not be pretreated by a building water softener.
- 2) Incoming regulator reduces PSI to 60.
- 4) The Automatic Shutoff Valve (ASO) will stop the supply of water through the top port on the “IN” side once the Storage Tank reaches approximately 65% of the supply pressure. This port should be attached to the green tube.
  - o The top of the ASO is determined by the IN/OUT labeling. (reference on page 4)
  - o Internal diaphragm only allows flow in a specific direction.
- 9) Storage Tank is pressurized and will create a small reserve to protect against limited supply interruptions.
- (10 & 11) Stages 5 and 6 have direction of flow printed on them. Ensure they are installed correctly to prevent output issues.
- (12) Outgoing regulator reduces PSI to 15.
- (13) Adjustable valve will alter water output based on orientation.



**Flow Diagram Breakdown:**

- 1) Building Water Supply
- 2) Incoming Water Regulator (Shokblok)
- 3) Bottom three filters – Stages 1-3
- 4) ASO Valve (Refer to ASO view)
- 5) Stage 4
- 6) Flow Restrictor
- 7) Waste
- 8) RO Check Valves
- 9) Storage Tank
- 10) Stage 5
- 11) Stage 6
- 12) Outgoing Water Regulator (Flojet)

**TOP VIEW OF ASO**



**SIDE VIEW OF ASO**

- 13) 3-way Service Valve
- 14) Waste
- 15) Output Water



# Filter Change Information

- Replace pre-filters every 6-8 months (Stages 1-3).
  - Replace 5th and 6th stage filters every 12 months.
  - Replace RO Membrane (4th stage) every 2.5-3 years.
- \* Filter change rates may vary depending on the quality of source water being utilized.
- To replace any filter, start by closing off the incoming building water supply.
  - Next, close the valve on the Water Storage Tank to reduce internal pressure. [9]
  - With a drain or bucket on the ready, adjust the Service Valve to expel the trapped water within your system. [13]
    - o If your unit is not equipped with a Service Valve, then remove the blue tubing post your Output water regulator instead.
    - o Line will be pressurized.
  - Once water has stopped flowing out of the valve, replace the filter(s) in question.
    - o If replacing Stages 1-4 then use the correlated wrench to open the housing.
    - o Housings will be filled with water, so dump accordingly and clean out any scum or debris that may be within the housing.
- \* Standard cleaning solution is a 50/50 mixture of vinegar and water.
- After filters have been replaced, ensure the Service Valve is only permitting water to waste [14] and then open the incoming building water supply and the Water Storage Tank valves.
    - o A minimum of (3) gallons of water must be flushed through new filters to remove loose particulates.
  - Adjust the Service Valve to only permit water to your chamber [15] and resume normal operation.

