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US Water Systems Residential/Commercial Fusion NLT Super-Filter



FUSION
NLT
c o m m e r c i a l

Owners Manual

Models:
Xxx-xxx

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Unpacking / Inspection

Be sure to check the entire unit for any shipping damage or missing parts. Also note damage to the shipping cartons. Contact US Water Systems at 1-800-608-8792 for all damage and loss claims. A damage claim must be made within 24 hours of receipt of the unit or the claim may not be honored.

Small parts, needed to install the filter, are in a parts bag. To avoid loss of the small parts, keep them in the parts bag until you are ready to use them.

Safety Guide

For your safety, the information in this manual must be followed to minimize the risk of electric shock, property damage or personal injury.

- Check and comply with your provincial / state and local codes. You must follow these guidelines.
- Use care when handling the filter tank. Do not turn upside down, drop, drag or set on sharp protrusions.
- The system works on 12 volt-60 Hz electrical power only. Be sure to use only the included transformer.
- Transformer must be plugged into an indoor 120 volt, grounded outlet only.
- **WARNING:** This system is not intended for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Proper Installation

This water filter system must be properly installed and located in accordance with the Installation Instructions before it is used.

- **Do not** install or store where it will not be exposed to temperatures below freezing or exposed to any type of weather. Water freezing in the system will break it. Do not attempt to treat water over 100°F.
- **Do not** install in direct sunlight. Excessive sun or heat may cause distortion or other damage to non-metallic parts.
- Properly ground to conform with all governing codes and ordinances.
- Use only *lead-free solder and flux* for all sweat-solder connections, as required by state and federal codes.
- Maximum allowable inlet water pressure is 125 psi. If daytime pressure is over 80 psi, night time pressure may exceed the maximum. Use a pressure reducing valve to reduce the pressure if necessary.
- **WARNING:** Discard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choke hazard.

Specifications

Specifications	FILTER AG PLUS SEDIMENT FILTER				
	CSF-150	CSF-200	CSF-250	CSF-300	CSF-400
Service Flow Rates					
Normal	6.0 GPM	7.0 GPM	10.0 GPM	12 GPM	15 GPM
Peak	8.0 GPM	10.0 GPM	13.0 GPM	15.0 GPM	20.0 GPM
Micron Rating	5 micron	5 micron	5 micron	5 micron	5 micron
Backwash Flow Rate	7.0 GPM	9.5 GPM	12.5 GPM	17 GPM	21 GPM
Filter Media Volume - Cubic Feet	1.5 FT3	2.0 FT3	2.5 FT3	3.0 FT3	4.0 FT3
Filter Tank Size	10" X 54"	12" X 52"	13" X 54"	14" X 65"	16" X 65"
Plumbing Connections	1"				
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA				
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit				
Water Pressure	Min. 20 - Max 125 psi				

Specifications	GAC AND CATALYTIC CARBON FILTER				
	CSF-150	CSF-200	CSF-250	CSF-300	CSF-400
Service Flow Rates					
Normal	6.0 GPM	8.0 GPM	10.0 GPM	12.0 GPM	15.0 GPM
Peak	8.0 GPM	10.0 GPM	13.0 GPM	15.0 GPM	20.0 GPM
Backwash Flow Rate	5.0 GPM	7.0 GPM	11.0 GPM	14 GPM	17 GPM
Filter Media Volume - Cubic Feet	1.5 FT3	2.0 FT3	2.5 FT3	3.0 FT3	4.0 FT3
Filter Tank Size	10" X 54"	12" X 52"	13" X 54"	14" X 65"	16" X 65"
Plumbing Connections	1"				
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA				
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit				
Water Pressure	Min. 20 - Max 125 psi				

Specifications	CALCITE				
	CSF-150	CSF-250			
Service Flow Rates					
Normal	6.0 GPM	10.0 GPM			
Peak	8.0 GPM	13.0 GPM			
Backwash Flow Rate	5.0 GPM	11.0 GPM			
Filter Media Volume - Cubic Feet	1.5 FT3	2.5 FT3			
Filter Tank Size	10" X 54"	13" X 54"			
Plumbing Connections	1"				
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA				
Water Temperature	Min 39 - Max. 100 degrees Fahrenheit				
Water Pressure	Min. 20 - Max 125 psi				

- Continuous operation at flow rates greater than the service flow rate may affect capacity and efficiency performance.
- The manufacturer reserves the right to make product improvements which may deviate from the specifications and descriptions stated herein, without obligation to change previously manufactured products or to note the change.
- Peak flow rates are intended for intermittent use only and are for residential application only
- At the stated service flow rates, the pressure drop through these devices will not exceed 15 psig



Carbon Filter (Activated Carbon)

Unpleasant tastes and odors caused by chlorine or organic substances, such as decayed vegetation and run off, are absorbed by top quality activated carbon. The filter will automatically backwash to a predetermined schedule. This frees the bed of accumulated impurities and readies it for operation again.

Filter Ag Filter (Sediment)

Suspended particulate matter such as clay and silt, which gives water a cloudy appearance, is trapped in the filter bed to produce clean, clear water. Gravel and Filter Ag Plus facilitates more thorough backwashing and prevents channeling. Periodic backwashing cleans the bed.

Calcite Filter

The neutralizing filter contains blended media which raises the pH of acidic water and neutralizes its corrosive characteristics. In addition to protecting pipes, plumbing fixtures and appliances, this filter also helps with the removal of iron and manganese by raising the pH. This enables an iron removal system to operate optimally. Periodic backwashing cleans the bed. Media replenishment may be required six months to two years after installation, depending on the water's pH and water usage.

Before Starting Installation

Tools, Pipe, and Fittings, Other Materials

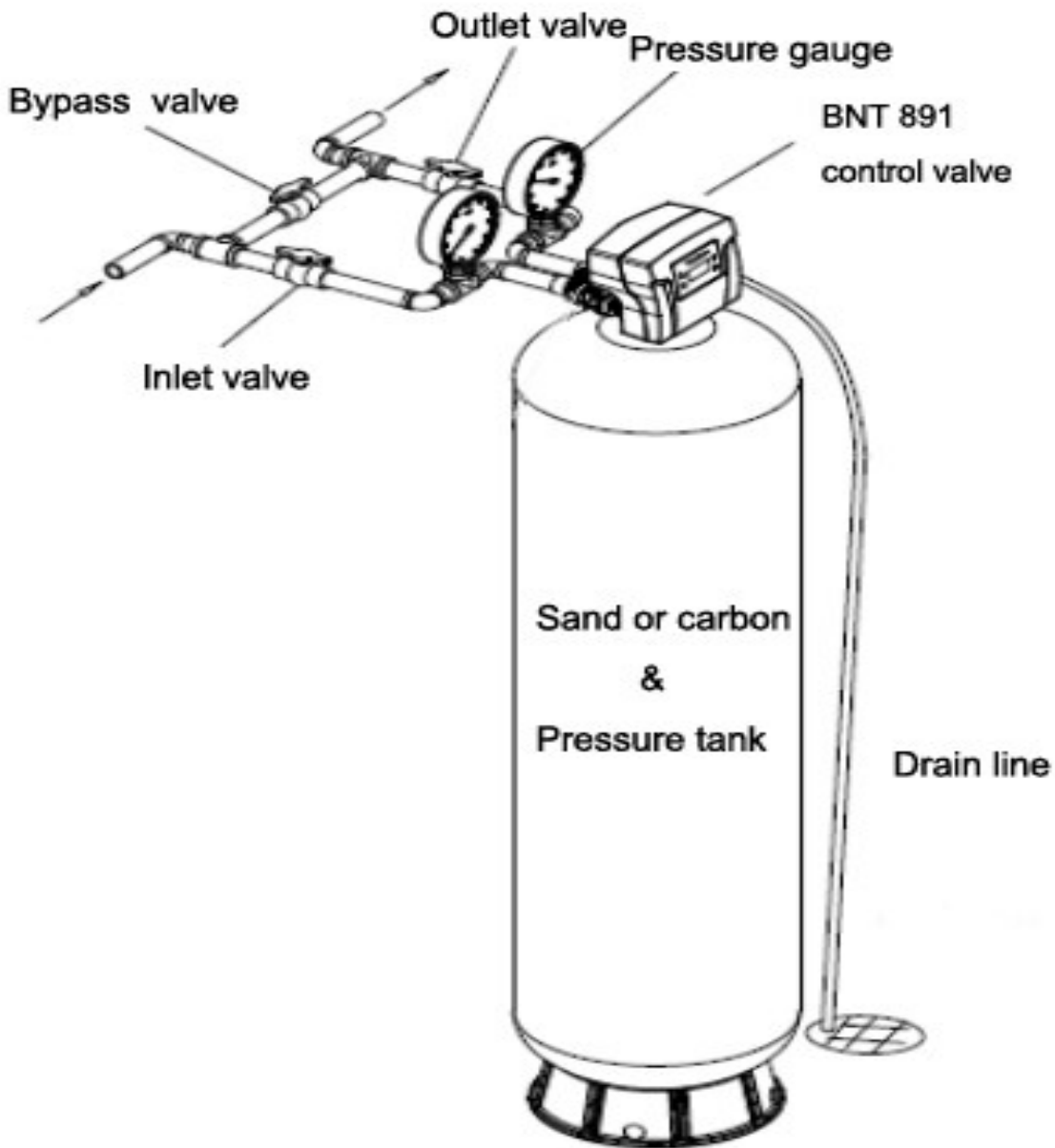
- Pliers
- Screwdriver
- Teflon tape
- Razor knife
- Two adjustable wrenches
- Additional tools may be required if modification to home plumbing is required.
- Plastic inlet and outlet fittings are included with the filter. To maintain full valve flow, 3/4" or 1" pipes to and from the filter fittings are recommended. The same, or larger, pipe size should be maintained as the water supply pipe, up to the filter inlet and outlet.
- Use copper, brass, or PEX pipe and fittings.
- Some codes may also allow PVC plastic pipe.
- ALWAYS install the included bypass valve, or 3 shut-off valves. Bypass valves allow the water to the filter to be shut off for repairs if needed, but still have water in the house pipes.
- 5/8" OD drain line is needed for the valve drain.

Where To Install The Filter

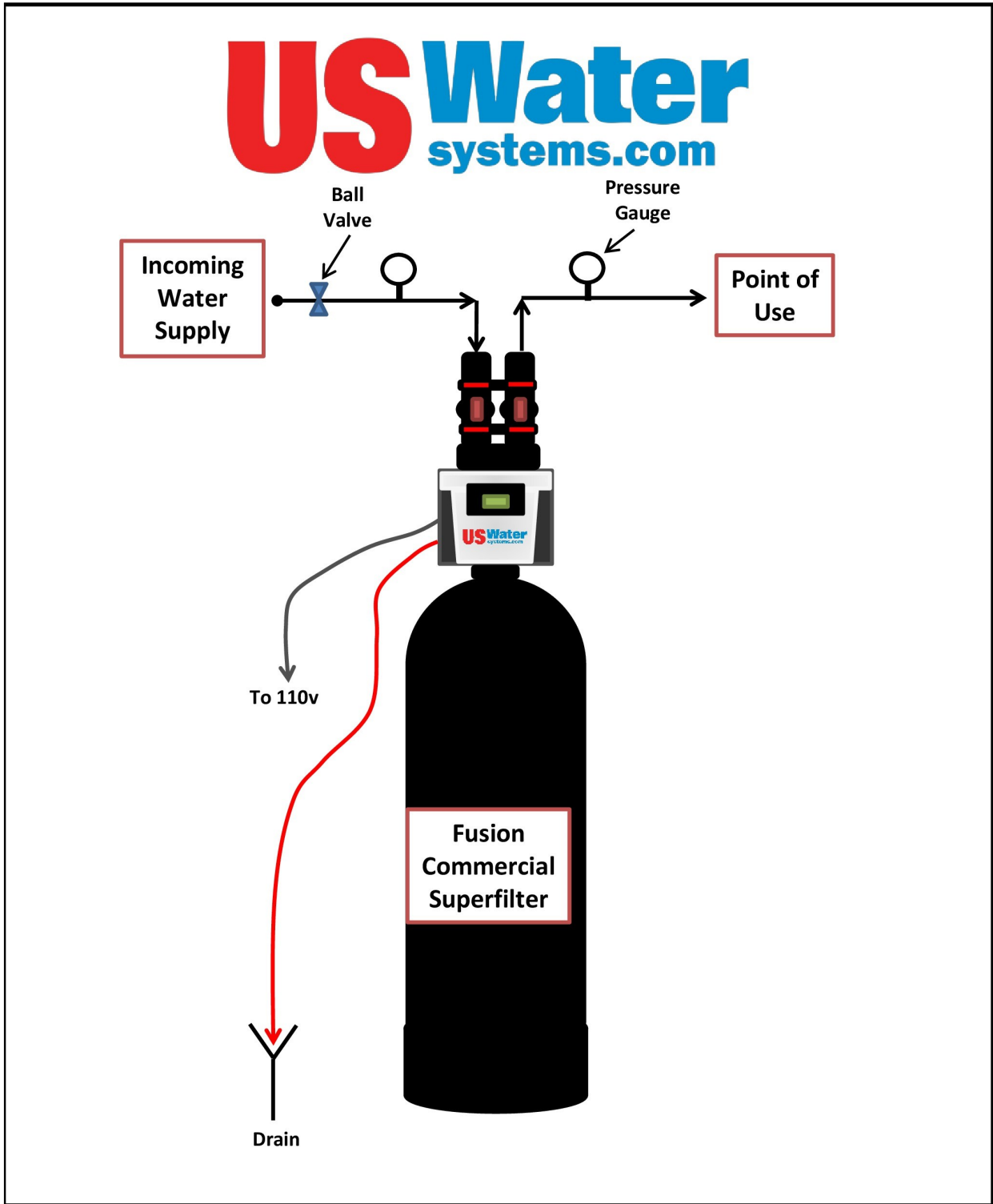
- Place the filter tank as close as possible to the pressure tank (well system) or water meter (city water).
- Place the filter tank as close as possible to a floor drain, or other acceptable drain point (laundry tub, sump, standpipe, etc.).
- Connect the filter to the main water supply pipe BEFORE the water heater. **DO NOT RUN HOT WATER THROUGH THE FILTER.** Temperature of water passing through the filter must be less than 100 deg. F.
- Do not install the filter in a place where it could freeze. **Damage caused by freezing is not covered by the warranty.**
- Put the filter in a place water damage is least likely to occur if a leak develops. The manufacturer will not repair or pay for water damage.
- A 120 volt electric outlet, to plug the included transformer into, is needed within 6 feet of the filter. The transformer has an attached 6 foot power cable. **Be sure the electric outlet and transformer are in an inside location, to protect from wet weather.**
- If installing in an outside location, you must take the steps necessary to assure the filter, installation plumbing, wiring, etc., are as well protected from the elements, contamination, vandalism, etc., as when installed indoors.
- **Keep the filter out of direct sunlight.** The sun's heat may soften and distort plastic parts.

3-Valve Bypass Layout Drawing with Pressure Gauges

IMPORTANT—PLEASE REFER TO THE PICTURE BELOW ON INLET/OUTLET SIDE OF THE VALVE



Typical Backwashing Filter



Fusion Backwashing Filter Tank Preparation

WATER PRESSURE: A minimum of 20 pounds of water pressure is required for regeneration valve to operate effectively.

ELECTRICAL FACILITIES: An uninterrupted alternating current (A/C) supply is required. Note: Other voltages are available. Please make sure your voltage supply is compatible with your unit before installation.

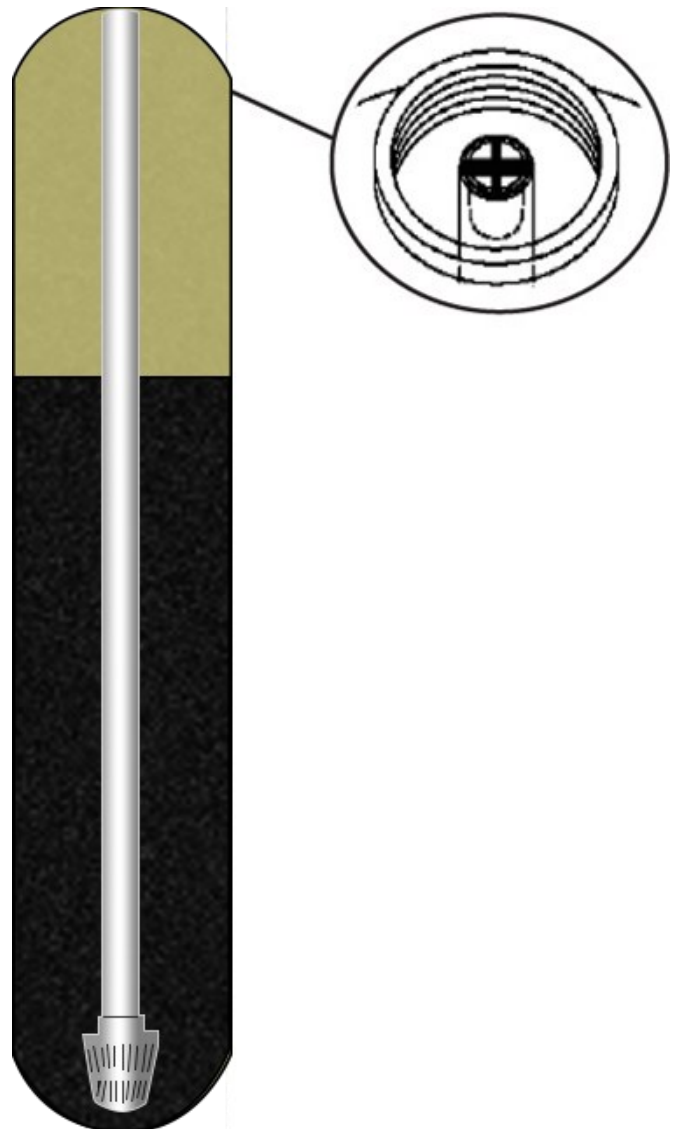
EXISTING PLUMBING: Condition of existing plumbing should be free from lime and iron buildup. Piping that is built up heavily with lime and/or iron should be replaced.

LOCATION OF INFUSION TANK AND DRAIN: The Infusion tank should be located close to a drain to prevent air breaks and back flow.

BY-PASS VALVES: Always provide for the installation of a by-pass valve if unit is not equipped with one.

CAUTION: Water pressure is not to exceed 80 psi, water temperature is not to exceed 110°F (43°C), and the unit cannot be subjected to freezing conditions.

1. Remove the tank from carton.
2. Verify the distributor tube is centered in the bottom center of the tank. A flashlight may be necessary.



3. Place a piece of duct tape over the distributor tube so no gravel or media enters the opening while filling.

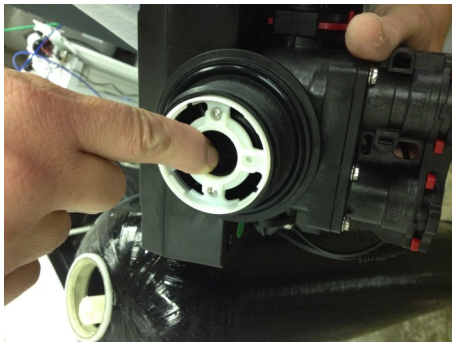


4. Use the Blue Funnel provided, to pour the **GRAVEL in FIRST** and the **MEDIA in SECOND**. Pour gravel and media evenly around the hole to ensure it is well distributed in the tank. Pour it slow enough, to prevent the funnel from plugging. A helper may be needed to hold the funnel during the filling process. It is recommended that a dust mask and safety goggles be worn to prevent possible injury. A shop vacuum can be held in the area to help control the dust created by the filling process. Pour all the gravel and media that was shipped in the tank. US Water Systems **DOES NOT** ship extra gravel or media.

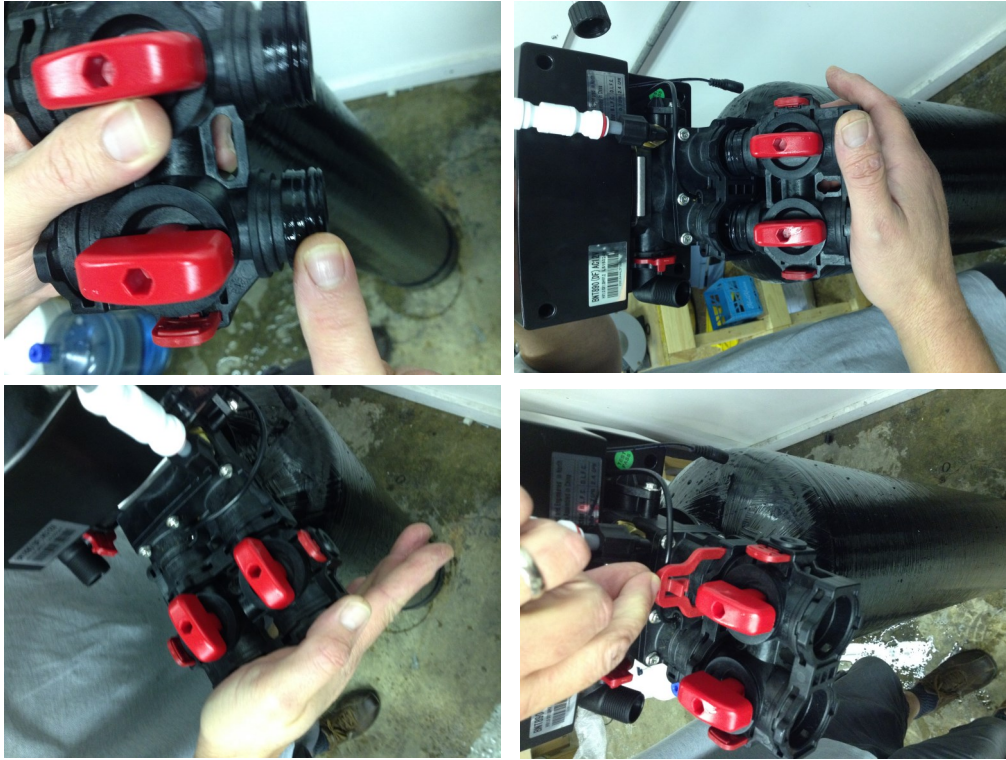


5. When the gravel and media are installed move tank side to side to settle the media. Remove the funnel and tape from the distributor tube. It is a good practice to fill the tank with water and allow the media to saturate. This will reduce the backwash and rinse time necessary to put the tank in service.

6. Lubricate the distributor O-ring and the tank O-ring on the bottom of the control valve. Then install the upper basket on the bottom of the valve by lining up the tabs then turning the basket clockwise to lock it in place. Place the upper basket over the distributor tube and push the valve on the tank. Thread the valve on the tank by turning it clockwise. Be sure not to cross-thread the valve on the tank. Tighten the valve hand tight, then snug it further by tapping it with the palm of the hand on the pipe connection side of the valve. **DO NOT** use tools to tighten the valve or damage could occur.



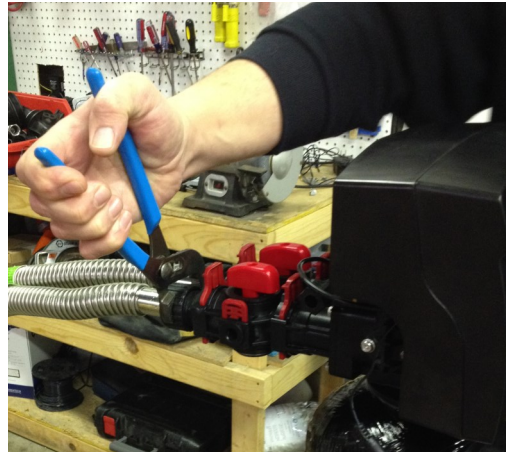
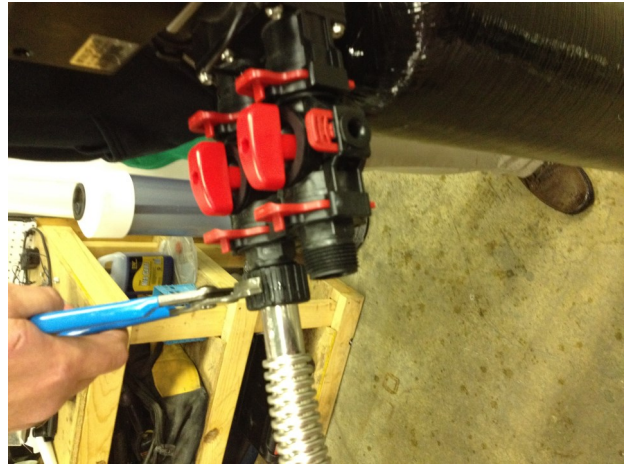
7. Lubricate the O-rings on the bypass valve and 1" threaded connectors. Remove the red clips and install the bypass on the control valve. Re-install the red clips once the bypass is in place.



8. Apply Teflon tape to the 1" connectors. Remove the red clips from the previously installed bypass and install the 1" connectors in the bypass valve. Re-install the red clips for the 1" connectors.

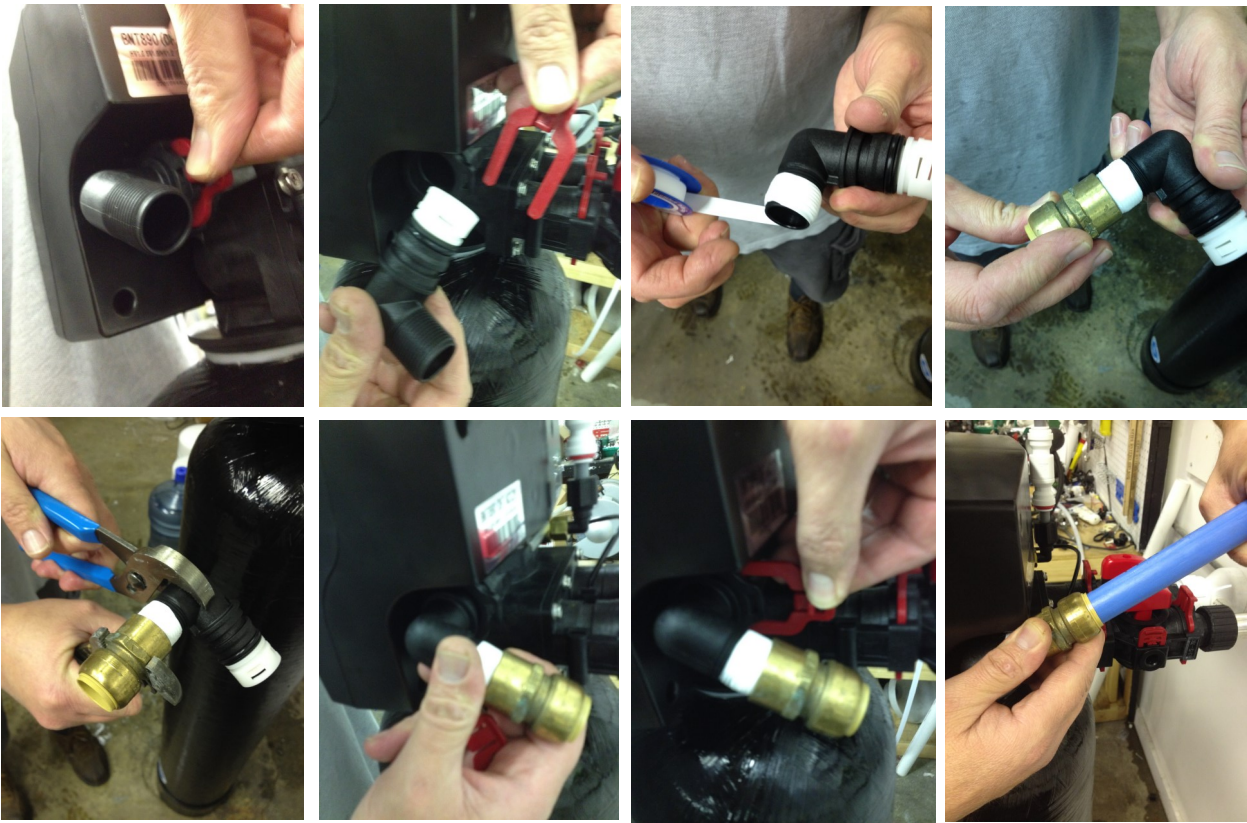


10. Install the Fusion system close to the water source. **BE SURE** to install the Fusion system directly after the well pressure tank. It is a good practice to add a sediment filter prior to the Fusion system between the pressure tank and the Fusion tank. However, a sediment cartridge filter is not necessary prior to Fusion backwashing sediment filters. Shut off the main water supply and relieve the pressure on the system.
11. Install the inlet plumbing on the inlet side of the control valve and the outlet plumbing on the outlet of the control valve. The inlet and outlet can be identified by the arrows on the control valve. The arrow pointing toward the control valve is the inlet. The arrow pointing away from the control valve is the outlet. (Flexible connectors shown utilize rubber washer seals and do not require Teflon tape).



NOTE: The Fusion system is equipped with a bypass valve. If a 3 valve bypass in the plumbing system is in place or preferred, the supplied bypass is not required.

12. Install the drain line on the 3/4" threaded elbow. This should be a 3/4" solid pipe conveyed to a floor drain, sink drain or stand pipe. This drain line can be any material allowed by the local code (photos show PEX but PVC is typically the piping used). An air gap should be established if the local code requires it. Drain line smaller than 3/4" could cause a restriction on the system and prevent it from backwashing properly. If you reduce the drain line to a size smaller than 3/4" **BE SURE** it can provide the backwash flow rate requirement of the unit being installed. Drain line larger than 3/4" is acceptable. The system will drain with pressure, so the drain line can be ran vertically for up to 5'. If the drain line is ran vertically then along the wall horizontally, make sure the horizontal pipe has a drop to the final drain point. The system should be plumbed with the least amount of back pressure on the drain line.



13. The drain elbow can be removed by removing the red clip and pulling the elbow out of the valve. This will make it easier to connect the plumbing fitting used. **BE CAREFUL** not to cross thread the fitting on the elbow. There is a small thread tolerance for this fitting to help reduce a possible leak.

NOTE: It may be necessary to install drain line larger than 3/4" on a linear stretch of drain line that exceeds 15'.

Sizing Requirements

Water Pressure

The water system must have a pump large enough to deliver the recommended backwash rate with a minimum pressure at the inlet of the filter of 30 psi. If the existing system cannot do this, it must be upgraded to do so. Whenever possible, the water system should be adjusted to deliver at least 30 psi for even more satisfactory results.

Backwash Flow Rates

The most important criteria in sizing a filter is the capacity of the pump/supply flow and pressure. The water must pass through the filter media at the proper service flow rate. The filter must also be backwashed at a flow rate sufficient to dislodge and remove the captured particles. Failure to provide sufficient water will cause a build-up of particles in the filter media, impairing its ability. In order for your filter to backwash and rinse properly, your pump/supply flow and pressure must be capable of providing the backwash flow rates indicated on page 4.

Checking Available Flow Rate

There are several ways to check the available flow rate of the water supply. The following method is intended to be simple for any application. A bucket of known volume (5 gallon buckets are typically used) and a stop watch is required.

1. Go to a point of use that will allow full flow when opened. This can be a garden spigot or a fully ported valve or faucet.
2. Open the point of use and allow the water to run in the bucket. If the water source is supplied by a well pump allow the water to run until the pump starts then convey into the bucket.
3. Use the stop watch to monitor how long it takes to fill the 5 gallon bucket. Use the following equation to find the flow rate available;

$$60 \text{ Seconds} / \text{Bucket fill time (seconds)} * \text{Bucket Volume} = \text{Flow rate (GPM)}$$

Maintenance

Maintenance of the water filter requires very little time or effort but it is essential. Regular maintenance will ensure many years of efficient and trouble-free operation.

1. Periodically make sure the supply pump is performing satisfactorily to ensure sufficient water is available for backwashing the filter.
2. Periodically test the raw and filtered water to ensure conditions are still the same for the original settings and that the unit is working the way it is intended to. Water testing is often the best way to determine when the filter media will require replacement.
3. Periodically check that the drain line is clear and free from any obstructions.

System Care

To retain the attractive appearance of the new water filter, clean occasionally with mild soap solution. Do not use abrasive cleaners, ammonia or solvents. Never subject the system to freezing or to temperatures above 100°F.

Replacing the Media Bed

Calcite Filter - the media bed in a calcite filter is slowly dissolved and has to be replaced. The frequency of replacement varies, depending on water quality - consult US Water Systems to determine the expected life of the media bed. Calcite filters have tanks with a dome hole. This can be removed and new calcite can be added without removing the control valve.

Carbon Filter - under normal operating conditions the effective life of the filter media is approximately one to three years, depending on the water quality, after which, taste and odor problems may return. When this happens, contact US Water Systems for a replacement media bed.

Sediment Filter - under normal operating conditions, the media should never need to be replaced. However, if a pressure loss is experienced and cannot be corrected it with a manual regeneration, the media bed may need replacing - contact US Water Systems.

Installation & Replacement Filter Media Pak

1. Check to ensure all media parts are received.
2. Shut off the water supply to the filter.
3. Place the unit into the backwash position to release any pressure in the lines. At this point, disconnect the plumbing from the inlet and outlet.
4. Unscrew the control valve from the fibreglass tank. Once this has been done, remove the distributor tube.
5. Remove the filter media and gravel from the tank. The quickest way to do this is by simply tipping the tank upside down into a large drum or pail or a shop vac can be used on larger tanks. The tank must be rinsed out completely and have no media or gravel left in it at all.

Loading the Media Pak

1. Place the distributor tube back down the center of the tank.

NOTE: The top of this tube should be covered with duct tape to prevent media from entering the tube during the filling process. It is important that the distributor tube is not moved or pulled out as it is not possible to put it down to the bottom of the tank once gravel or media are in the tank.

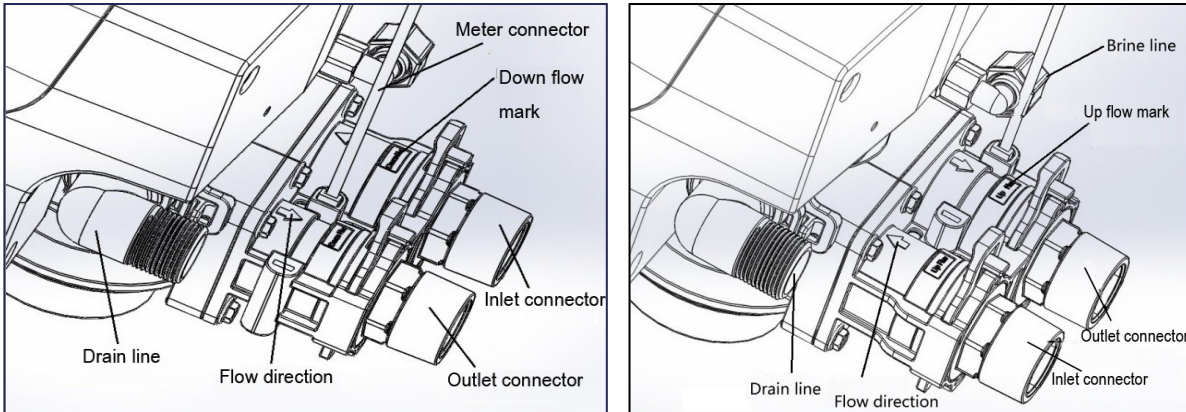
Pour the gravel in the tank first.

Pour the bag(s) of media into the tank second.

The duct tape should be removed from the distributor tube. Clean off the top of the tank. Finally place the control valve on the tank and on to the distributor tube. Tighten the control valve on to the tank. Connect or reconnect the inlet and outlet and drain. The control valve should be in the backwash position. Slowly open the inlet valve water supply and slowly fill the filter tank until water appears at the open drain line. Return the control to the service position and shut the inlet off for approximately one hour to allow the media to soak in the water.

After one hour, turn inlet water on slowly and place the control into the backwash position and plug the unit's electrical cord into a constant power source. Let the unit continue through its regeneration cycle automatically. The regeneration is necessary so all media fines are backwashed down the drain to ensure clean filtered water.

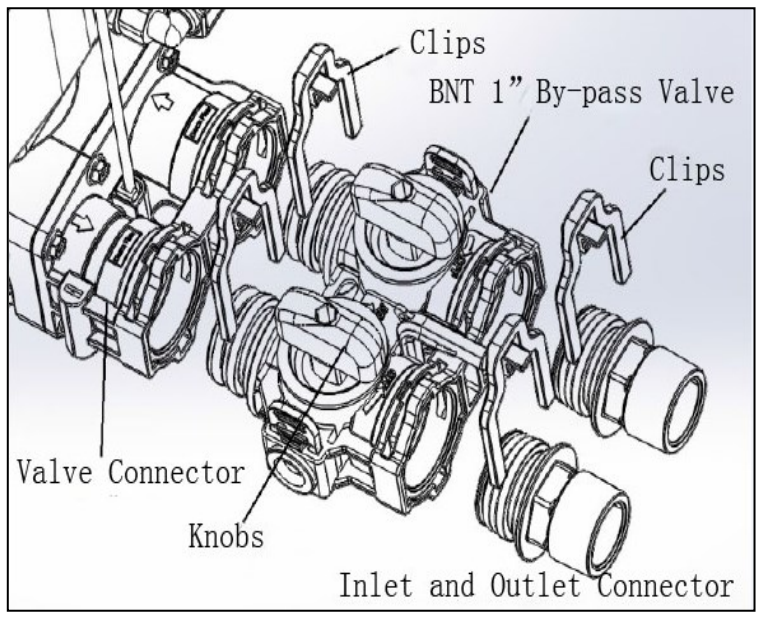
Note: As the picture shows, connect the inlet and outlet according to the arrow direction which can be seen from the top view of the control valve.



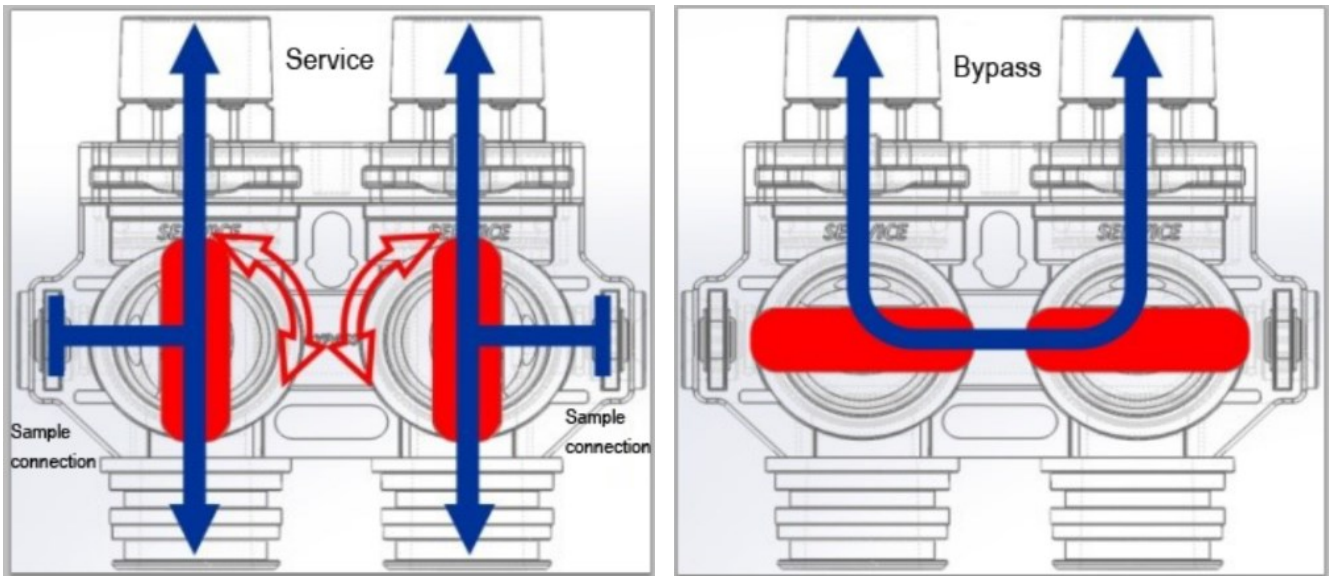
The installation of 1" integrated bypass valve:

If you use the 1" integrated bypass instead of a three manual valve, the installation method is showed as the picture below.

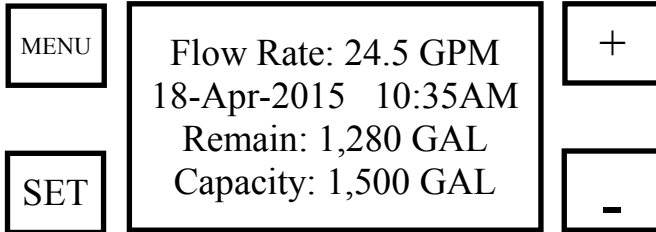
- 1 Use the clips to install the 1" bypass valve between the standard inlet and outlet connector assembly and the inlet and outlet connector, make sure the O-ring is coated with grease;
2. Connection method of inlet and outlet connector: same as the above, make sure to connect according to the direction of arrow seeing from the top view;



1. It is also recommended to install the inlet and outlet pressure gauge and the inlet Y-type filter;
2. When the two knobs on the bypass valve is parallel, the inlet and outlet are open, this state of operation is “Service”;
3. Rotate each of the two knobs in clockwise and anticlockwise respectively, when the knobs on the bypass is in one line, the inlet and outlet are both closed, this state of operation is “By-pass”.



Button Configuration



Key Pad Configuration

MENU	This function is to enter the basic set up information required at the time of installation.
SET	This function is to accept the values if changed and advance to the next page in the menu.
+ / -	These buttons are used to increase or decrease the value of the settings while in the programming mode.

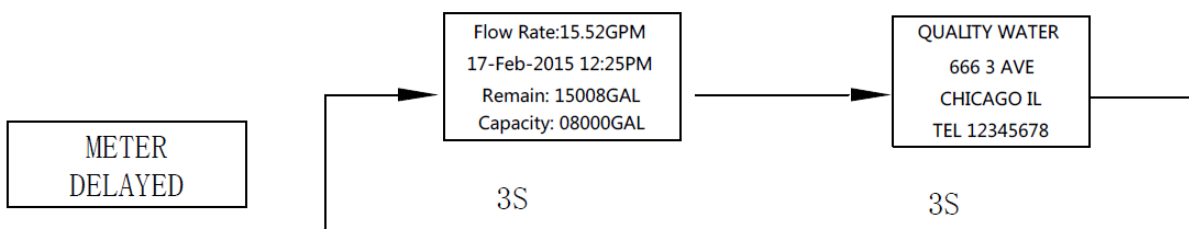
Programming Levels

There are 3 levels to the valve program. Master options and Factory options are typically adjusted at the factory. These options link the PCB function with the type of control valve and should not be tampered with. Advanced options are used to configure the unit when the valve is assembled to the tank so that it can function as the proper size and intended system operation. Settings are the final options chosen when the unit is installed to a specific location.

PROGRAM LEVEL	USER ACCESS
USER SETTINGS(I)	These settings are programmed when the unit is installed. The settings should only be adjusted by a qualified person.
MAIN MENU (II)	These settings are programmed when the unit is installed. The settings should only be adjusted by a qualified person.
ADVANCED MENU (II)	These settings are programmed by the factory and should be adjusted when the valve is assembled into a unit or system. It contains important settings so the valve will operate properly for the type of system it is intended for. The settings should only be changed by qualified person.
HISTORY MENU (IV)	This menu contains key diagnostics for trouble shooting the system.
FACTORY MENU (V)	These settings are programmed by the factory. The settings are important for the operation of the valve that should only be changed by a qualified person.

Main Display Options

The main display page shows the Flow Rate, Date, Time Of Day, Remaining Volume, and Total Volume. The display will alternate between the main page and the dealer information page.



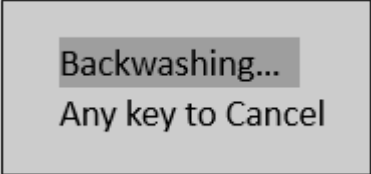
User Settings (Level I)

1. Press MENU key.
2. Make sure the cursor is on "Set the Date and Time" and push the set button. The day, month, year and time can be changed to the current time and date of the location where it is being installed.
3. Press + or - to change menu option. Press SET to enter.
4. Press + or - to change value. Press SET to accept.
5. Now Press the Menu button to save the change
6. Push the - button and go to "Main Menu". Press and HOLD the set button until the screen changes. This may take 5 seconds or more.
7. Go to "Regen. Time Setting" and press the "Set" button.
8. (The default time is 2 am. This setting should be adjusted to a time that is 2 hours after everyone is in bed)
9. Press + or - to change menu option. Press SET to enter.
10. Press + or - to change value. Press SET to accept.
11. Now Press the Menu button to save the change
12. Push the - button and go to "Regen Days Setting" and push the "Set" button
13. (The default days will be set at 3. This can be adjusted but typically not more than 5 days between regens. Some system will need to backwash nightly and would be set to 1 day. Contact US Water Systems for help choosing the regen days duration).
14. Press + or - to change menu option. Press SET to enter.
15. Press + or - to change value. Press SET to accept.
16. Now Press the Menu button to save the change.
17. Push the - button and go to "Advanced Menu" and push the "Set" button.
18. Push the - button and go to "Regen Cycles" and push the "Set" button.
19. Go to the "Backwash Duration" and push the "Set" button
20. (This should be set to 10 minutes and should not be changed)
21. Press + or - to change menu option. Press SET to enter.
22. Press + or - to change value. Press SET to accept.
23. Now Press the Menu button to save the change.
24. Go to the "Rinse Duration" and push the "Set" button
25. (This should be set to 10 minutes and should not be changed)
26. Press + or - to change menu option. Press SET to enter.
27. Press + or - to change value. Press SET to accept.
28. Now Press the Menu button to save the change.
29. Press the Menu button until the valve returns to the home screen. Programming is complete.

Manual Regeneration

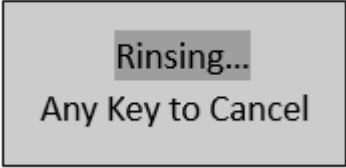
1. Push the “Menu” button and use the - button to go to “Manual Regen”.
2. Now push the “Set” button
3. Choose “Regen Now?” (Immediate) or “Regen Tonight?” (Delayed) and push the “Set” button.

If an immediate regeneration is initiated the valve will immediately move to the backwash position the screen will display:



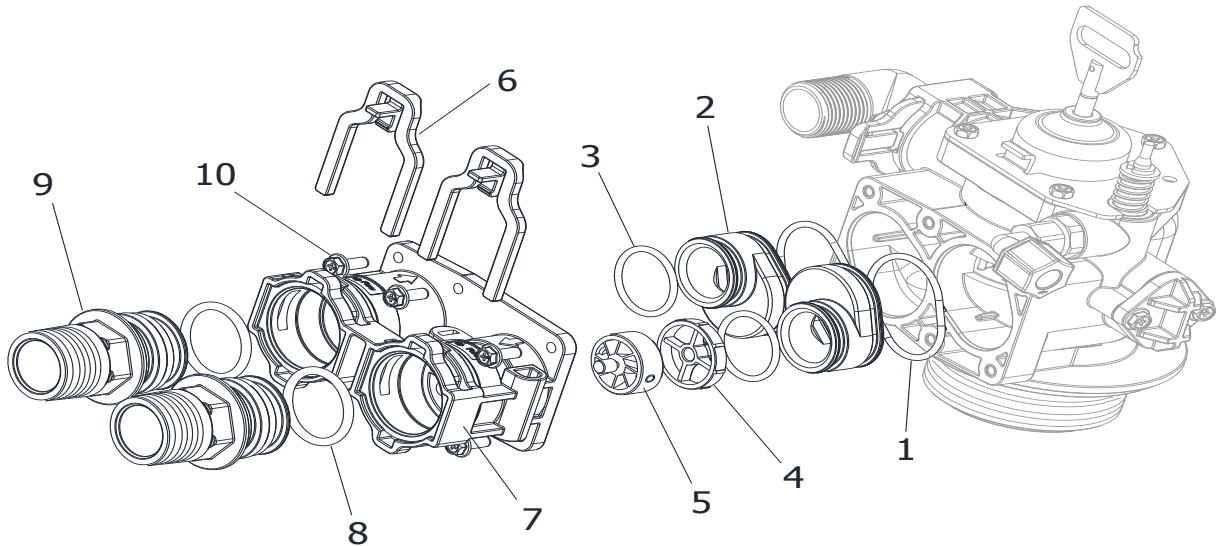
Backwashing...
Any key to Cancel

Press any key will backwash, and the valve will advance to the next regeneration process, Fast Rinse, the screen will display:



Rinsing...
Any Key to Cancel

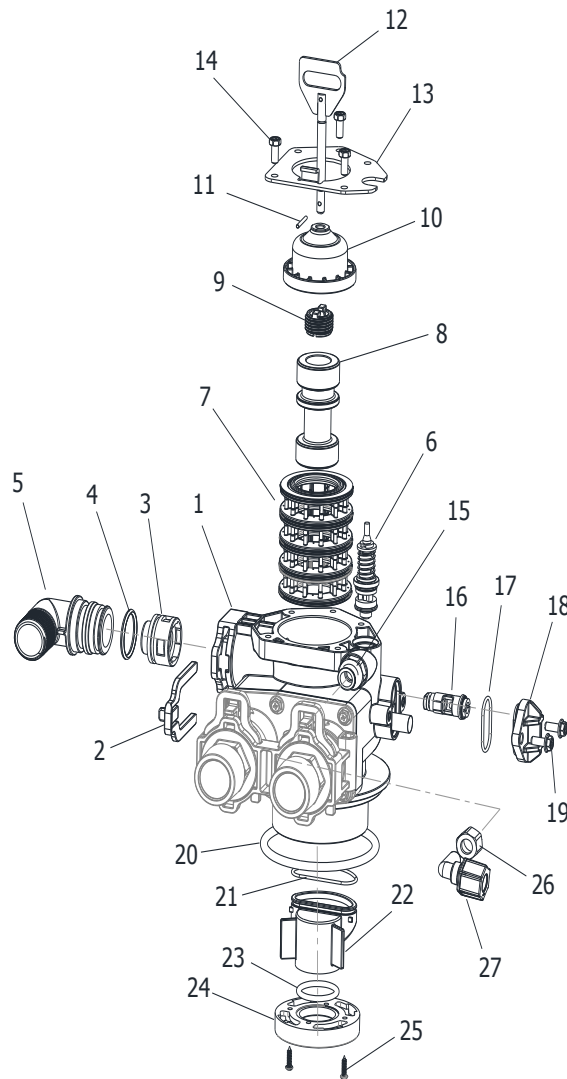
Parts list of Standard connection assembly :



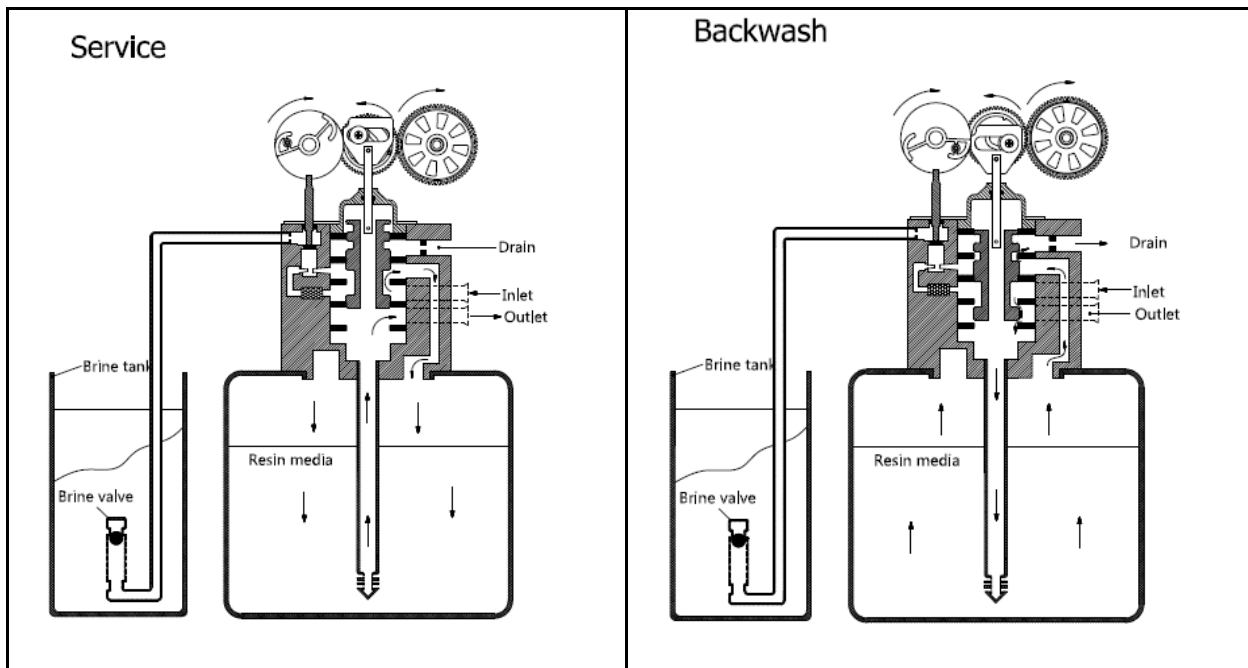
No.	Part description	Qty	No.	Part description	Qty
1	<u>Big O-ring of Adaptor coupling</u>	2	6	89 secure clip	2
2	Adaptor coupling of 89 control valve	2	7	89 valve connector	1
3	Small O-ring of adaptor coupling	2	8	Connector O-ring	2

Parts list of control valve body :

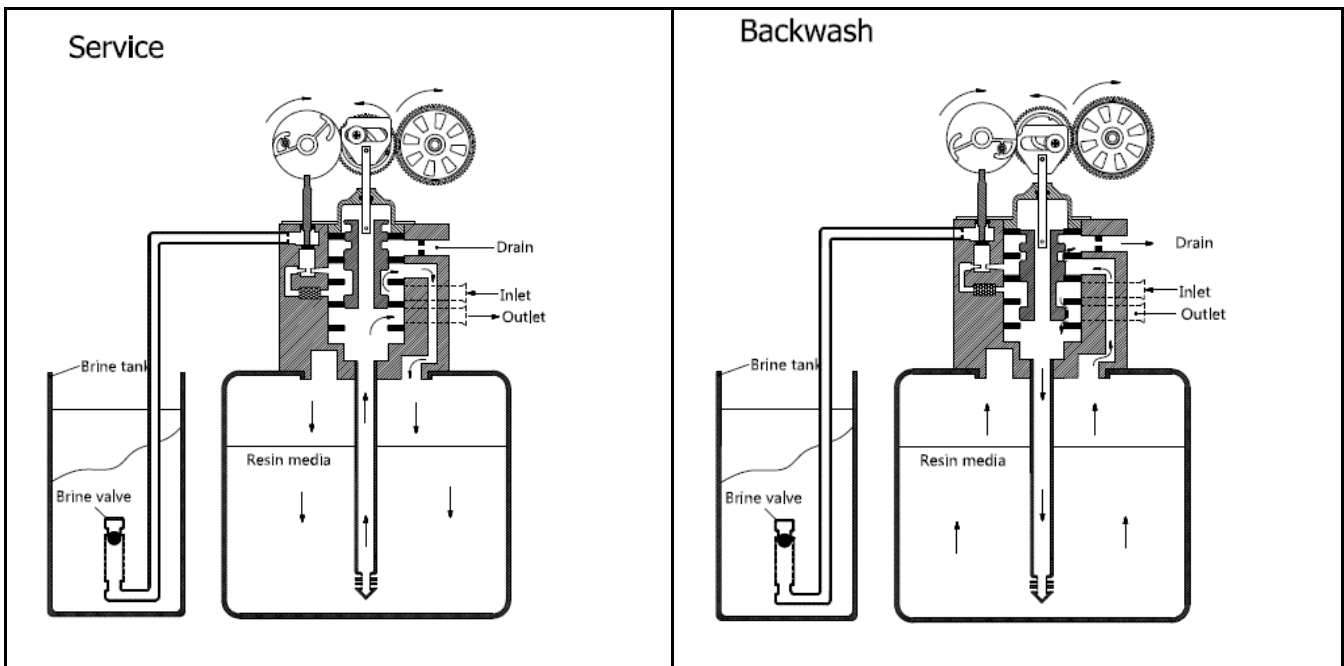
No.	Part description	Qty
1	89 valve body	1
2	95 secure clip	1
3	DLFC assembly : optional 1S、2S、3S、4S、 1#、3#、4#、5#、6#	1
4	Drain elbow O-ring	1
5	Drain elbow : 1/2"、3/4"	1
6	Brine valve injector stem assembly	1
7	Spacer and seal assembly	1
8	Three options of piston Down flow piston Up flow piston Filter piston	1



8	Three options of piston Down flow piston Up flow piston Filter piston	1
9	Piston retainer	1
10	End plug	1
11	Piston pin	1
12	Piston rod	1
13	<u>End plug retainer</u>	1
14	End plug retainer screws	3
15	Brine line adaptor assembly : optional BLFC : 0.7gpm BLFC : 0.95gpm	1
16	Injector assembly : optional grey, purple, red, white, blue, yellow	1
17	Injector cover O-ring	1
18	Injector cover	1
19	Injector cover screws	2
20	Tank mouth O-ring	1
21	Adapter O-ring	1
22	Center pipe adapter	1
23	Center pipe O-ring	1
24	Valve <u>bottom connector</u>	1
25	Bottom connector screws	2
26	Brass nuts	1
27	Brine line elbow assembly	1



8	Three options of piston Down flow piston Up flow piston Filter piston	1
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11	Piston pin	1
12	Piston rod	1
13	End plug retainer	1
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15	Brine line adaptor assembly : optional BLFC : 0.7gpm BLFC : 0.95gpm	1
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17	Injector cover O-ring	1
18	Injector cover	1
19	Injector cover screws	2
20	Tank mouth O-ring	1
21	Adapter O-ring	1
22	Center pipe adapter	1
23	Center pipe O-ring	1
24	Valve <u>bottom connector</u>	1
25	Bottom connector screws	2
26	Brass nuts	1
27	Brine line elbow assembly	1





Limited Lifetime Warranty

For the lifetime of the original purchaser, at the original residential place of installation of this *Infusion* Water Conditioning System, *US WATER SYSTEMS, INC.* warrants the following:

LIFETIME COVERAGE

Media Tanks

Free of all costs to you except transportation and labor charges, we warrant that we will replace or repair the fiberglass media tank and the control valve body, if for any reason it is found to be defective, because of faulty materials or workmanship.

SEVEN YEAR COVERAGE

Head Assembly & Electronics

We warrant that for seven (7) years from the date of purchase, we will replace the head assemblies or electronic components at no charge to you except for transportation and standard labor charges. Electronics damaged due to environmental issues or improper installation is not covered. 100% full replacement for the first five (5) years and two (2) years pro-rated on the sixth and seventh year.

GENERAL PROVISIONS

This warranty does not apply to any commercial or industrial installations or to any part of the water conditioner which has been subjected to misuse, neglect, alteration or accident; or to any damage caused by fire, flood, freezing, Acts of God, or any other casualty, or if the original serial numbers have been removed.

These warranties are in lieu of all other warranties expressed, or implied, and we do not authorize any person to assume for us any other obligation on the sale of this water conditioner. No responsibility is assumed for delays or failure to meet these warranties caused by strike, government regulations or other circumstances beyond the control of *US WATER SYSTEMS, INC.*

TO OBTAIN WARRANTY SERVICE, CALL OR WRITE: *US WATER SYSTEMS, INC. 1209 COUNTRY CLUB ROAD INDIANAPOLIS, IN 46234 (800) 608-USWA.*

ANY IMPLIED WARRANTIES OF FITNESS OR MERCHANTABILITY ARE LIMITED TO THE TERMS OF THIS EXPRESSED WARRANTY AND THERE ARE NO WARRANTIES WHICH EXTEND BEYOND THOSE HEREIN. *US WATER* SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

THIS WARRANTY MAY BE TRANSFERRED TO A SUBSEQUENT OWNER WITH WRITTEN APPROVAL OF *US WATER* AND PAYMENT OF STANDARD TRANSFER FEE.