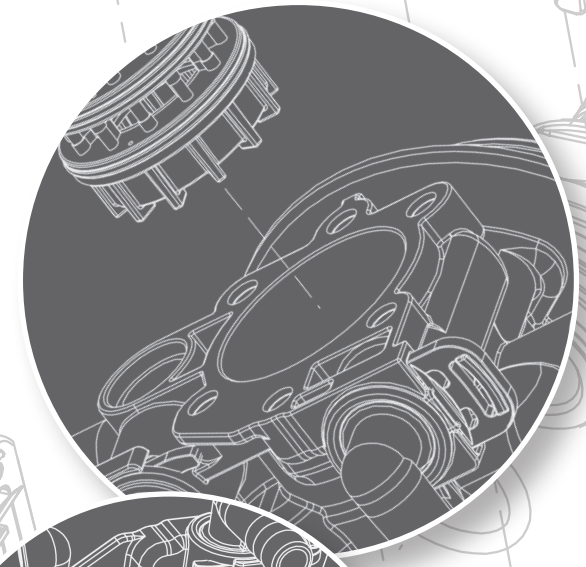
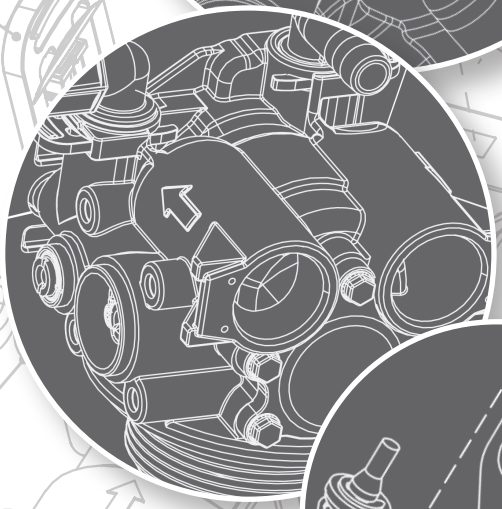
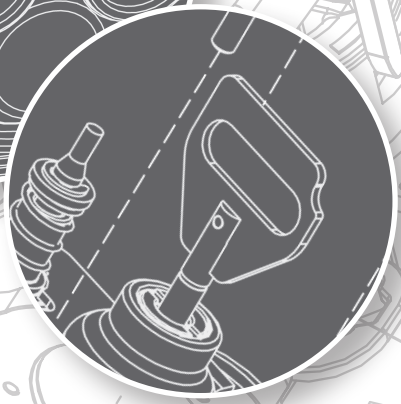
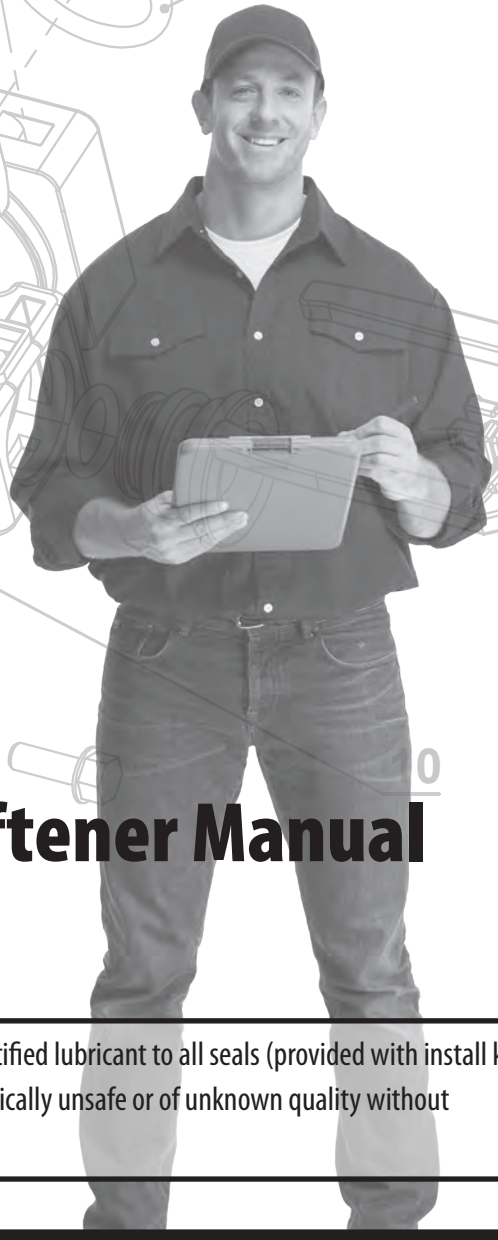
Service Manual









485UF/DF

Upflow & Downflow Softener Manual

IAPMO R & T Certified Against NSF/ANSI 44 and CSA B483.1

1. Avoid pinched o-rings during installation by applying IAPMO certified lubricant to all seals (provided with install kit).

2. This system is not intended for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

Canature WaterGroup Canada Inc.
855 Park St., Unit 1
Regina, SK, S4N 6M1
Toll Free: (877) 288-9888

Canature WaterGroup U.S.A. Inc.
6353 Commerce Drive
Whitestown, IN, 4607
Toll Free: (877) 288-9888

Table of Contents

FEED WATER PARAMETERS

Maximum Iron** = 2.0 ppm ferrous (clear water iron)
Maximum Hydrogen Sulfide = 0.0 ppm
Maximum Manganese = 0.75 ppm ferrous (clear water)
pH = 6.5 to 8.5 with **no** iron or manganese present
pH = 6.5 to 7.5 with iron or manganese present
****See System Maintenance Section - Resin Cleaner**

TROUBLE SHOOTING GUIDE

Problem	Possible Solutions
LEVEL 1 -- SEE HOME OWNERS MANUAL Recommended for the home owner	**** IMPORTANT **** **before attempting any trouble shooting be sure to test the water or have the water tested. The tests should include the raw water, the hot treated water, and the cold treated water.**
Delivers untreated water	Bypass is closed bypassing raw water past the unit - Return bypass valve to the open position to service the home - **See 'Manual Water Bypass'**
	Bypass loop in the homes plumbing - Close outlet valve only on conditioner bypass, open nearest conditioned water line. If no water flow then there is not a bypass in the plumbing. If there is water flow then there is a hidden bypass in the plumbing (contact plumber).
	No salt or low salt level - Fill salt to above the water level in the salt tank. Low salt will affect the conditioners capacity. - **See 'Maintenance'**
	Not programmed correctly for current application - Verify programming. Correct hardness level and amount of people in the home if necessary. - **See 'Start Up and Programming'**
Excessive water in the salt tank	Refer to **Maintenance, Cleaning the Injectors and Cleaning the Salt Tank**
Not regenerating automatically, not metering water flow	Check diagnostics for last regeneration - **See How Your Conditioner Works** Open nearest conditioned water outlet and check if gallons is counting down, if not metering - **Contact authorized service representative**
Not using salt	Injectors or injector screen plugged. Clean and or replace injectors and screen - **See 'Maintenance'** Salt Bridged in salt tank - **See 'Maintenance'**
Not regenerating automatically - Alarms	Caused by a power outage or brown out during regeneration – unplug power for 30 seconds then re-connect. If alarm continues - **Contact your authorized service representative, if necessary**.
Unit regenerates but does not use salt	Clean and or replace injectors - **See 'Maintenance'**
	Drain line flow control is plugged – clean drain line flow control to ensure there are no kinks, or restrictions in the drain line.
Using too much salt or more salt than expected	**Check programming** – is the unit set properly for salt efficiency, is the programming correct for hardness and people - **See 'Start Up and Programming'**
Alarms after regeneration	Caused by a power outage or brown out during regeneration – unplug power for 30 seconds then reconnect if alarm continues - **Contact your authorized service representative, if necessary**.
	Corroded or damaged rear circuit – replace circuit **Contact your authorized service representative, if necessary**.
Discolored water	**Result of city / town supply being contaminated** – check with local authority to see if there has been water main activity in your area. If there has been, manually regenerate the unit a couple of times in a row to clear the color. If there hasn't been, **Contact your authorized service representative if necessary**.
	Iron Bleed through – if there are small amounts of iron in your raw water supply eventually it will build up in the resin and could result in bleed through. – review settings to compensate for iron in the water - **See 'Start Up and Programming'** - Contact your dealer or local plumbing supply store to obtain an approved resin cleaner. Use resin cleaner to clean the resin as directed. For permanent maintenance if required add in an automatic feeder - **See Automatic Resin Cleaner Solution Feeder**
Excessive pressure loss	**Check unit specifications** - peak or continuous service flow rates maybe exceeding capacity causing the unit to be restrictive due to size - **See 'Unit Specifications' - Contact your dealer if necessary**.

TROUBLE SHOOTING GUIDE

Problem	Possible Solutions
LEVEL 2 – recommended for qualified service technician only	
Not drawing brine solution	Injectors or injector screen plugged. Clean and or replace injectors and screen - **See Replacement/ Service Section** Drain line flow control plugged or drain line restricted - **See Replacement/Service Section** Safety float assembly seating prematurely – clean or replace safety float and clean brine tank - **See Parts Section** Loose connections between control valve and safety float allowing unit to draw air - **See Replacement/Service Section**
No water in salt tank	**Loose connections between control valve and safety float** allowing unit to draw air - **See Replacement/Service Section** **Refill time not set correctly** for unit size; water not coming above the grid plate. **Refill control button plugged** causing no refill – clean and or replace refill control button. Check size of BLFC noted on silver label of valve and be sure valve is programmed to correspond to the correct size used.
Problem	**Possible Solutions**
**** Not regenerating automatically Alarms ****	**Jammed piston** - replace piston and seal assembly - **See Replacement/Service Section** **Defective or damaged circuit** - replace circuit **See Replacement/Service Section** **Loose or corroded connections** between the 2 circuits – reconnect securely or replace - **See Replacement/Service Section** **Drive motor defective** replace motor - **See Replacement/Service Section**
Conditioner initiates regeneration but alarms after a few seconds	**Drive motor defective** replace motor - **See Replacement/Service Section** **Defective transformer** replace transformer.
Internal valve leak - Running to the drain constantly	Replace piston and seal assemblies - **See Replacement/Service Section**
Not drawing brine no problem with injectors or drain	Replace piston and seal assemblies - **See Replacement/Service Section**
****Meter not counting down ****	Check diagnostics for last regeneration . Check that meter cable is plugged into the meter assembly - **See Replacement/Service Section** Check that meter cable is reading the meter by moving a fridge magnet (or similar magnet) across it rapidly for a few seconds you should be able to see the gallons change. Be sure there is no debris caught in the the turbine If the meter cable is good, and no debris caught then replace the meter assembly - **See Replacement/Service Section**
Leaking past distributor tube	**Contact Technical services for additional trouble shooting information: 877-288-9888**
Alarms after regeneration or after manual regeneration	**Damaged or missing sensor magnet on brine gear** – replace as required, or send in for repair to nearest office. **Corroded or damaged rear circuit –** replace as required.
Excessive pressure loss	**Check unit specifications -** peak or continuous service flow rates may be exceeding capacity causing the unit to be restrictive due to size - **See product specific information on warranty sheets suplied with the unit.** Contact Customer Service for clarification if this is suspected – **877-288-9888.**
	Upper distributor cone plugged with foreign material – remove valve, remove upper distributor cone and clean then replace and put valve back on unit.
	Chlorine degradation of resin – excessive amounts of chlorine or chloramine can damage softening resin and break it down causing excessive pressure loss – replace media bed and add in chlorine removal system to protect softener.

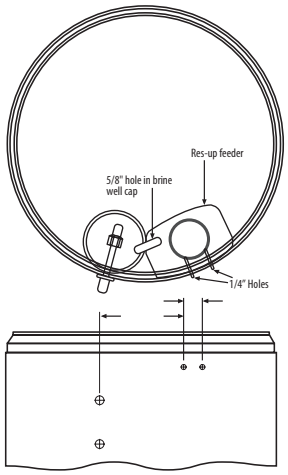
AUTOMATIC RESIN CLEANER SOLUTION FEEDER INSTALLATION INSTRUCTIONS (OPTIONAL)

Resin Cleaner

An approved resin cleaner MUST be used on a regular basis if your water supply contains iron. The amount of resin cleaner and frequency of use is determined by the quantity of iron in your water (consult your local representative or follow the directions on the resin cleaner package).

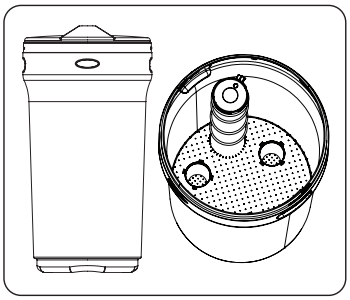
Res-Up Feeders attach to your brine tank and automatically dispense the Res-Up cleaner into the brine solution where it cleans the resin during the regeneration cycle.

The feeder hooks onto the tube inside your brine tank and you just pour some chemical in it and your water conditioner should last significanly longer. A res-up feeder is essential if your raw water contains measurable amounts of iron.

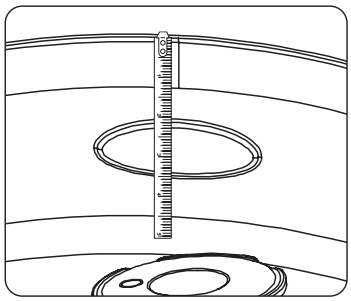


Res-Up Feeder Bottle (Chemical sold Separately)
The 12 cc feeder (Part # 33010) is for conditioners up to 64,000 grains (2 ft3 of resin).
The 30 cc feeder (Part # 33018) is for larger conditioners over 64,000 grains.
Pro-Res Care Chemicals
Item #45147 Pro-ResCare - Gallon
Item #45148 Pro-ResCare - Quart

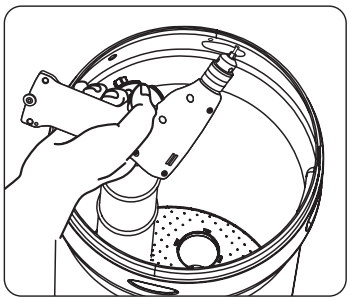
Install Res-Up Feeder



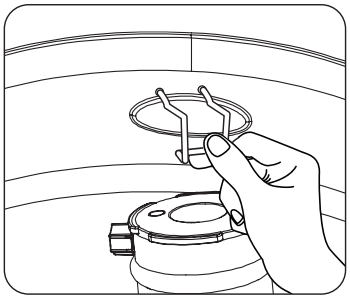
1. Install the grid and brine well inside the tank.



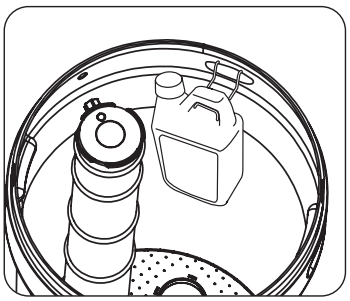
2. Measure 2 inches from the top of the tank beside the oblong molding.

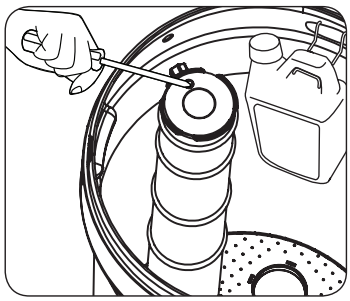


3. Mark the location of the holder and drill.

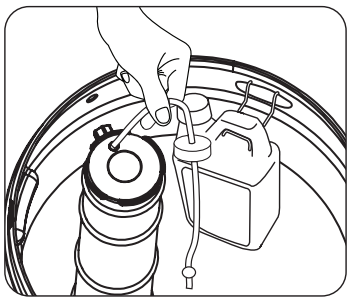


4. IInstall the holder and the Res Care Solution





5. Take off the small hole cover on the Brine Well lid.



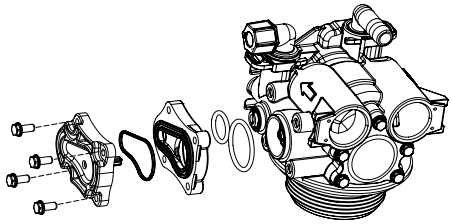
6. Take off the cover of the Res Care bottle . Insert the wick, making sure it touches the bottom of the bottle. Insert the other end of the tube completely into the hole in the brine well cap. Automatic feeding will start in a few hours.

PROBLEM WATER INJECTOR KIT

For use on upflow softeners only.

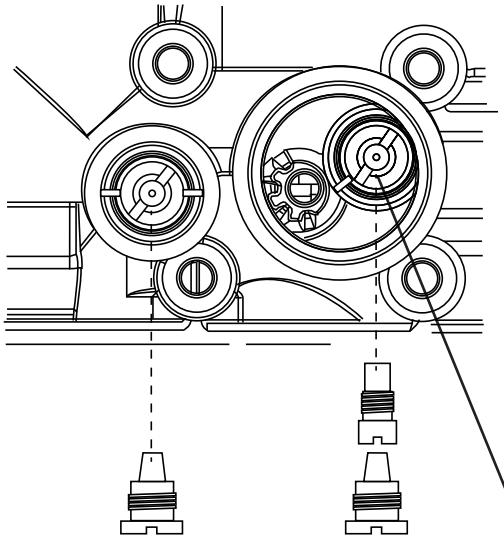
IMPORTANT!: If the water source this water softener is being applied on is not municipal water and contains up to 2.0 mg/l/ppm of ferrous (Clear Water) iron and/or up to .75 mg/l/ppm of manganese, the enclosed Problem Water Injector Kit needs to be installed into the control valve following these instructions.

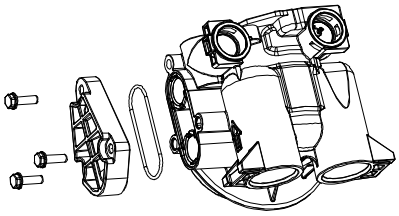
FAILURE TO DO THIS WILL RESULT IN UNSATISFACTORY OPERATION OF THIS EQUIPMENT AND VOID ANY IMPLIED PERFORMANCE WARRANTY.



85UF Valve Before June 2022

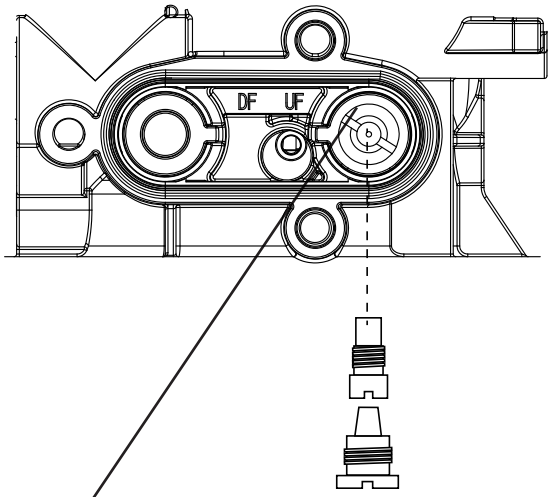
Upflow Injector Configuration





85UF Valve After June 2022

Upflow Injector Configuration



Size Ft³	Color
75	#1 WHITE
100	#1 WHITE
150	#1 WHITE
200	#2 BLUE
250	#2 BLUE
300	#3 YELLOW

IMPORTANT

The injector cage must be lined up and inserted properly to avoid crushing when the injector cap is re-installed. Markings on the cage and valve body must line up.

Replace injectors with correct number and color corresponding to your equipment size.

***NOTE**: Remember to properly lubricate ALL O-Rings with the silicone lubricant supplied.

NOTICE

Do NOT over tighten injectors. Snug-tight only.

Failure to make these changes will result in unsatisfactory operation of this equipment and void any implied performance warranty.

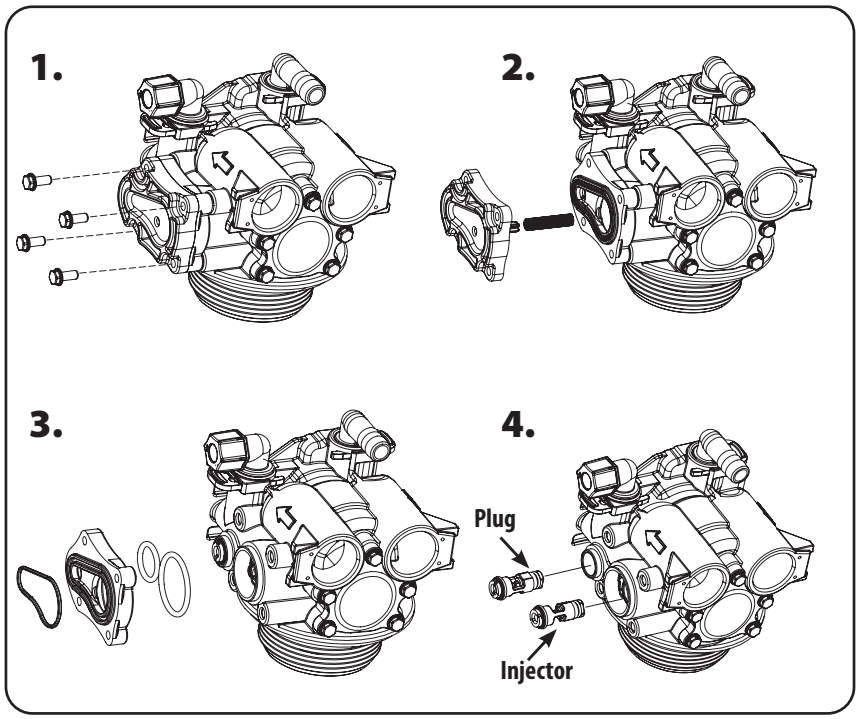
PROBLEM WATER INJECTOR KIT (CONTINUED)

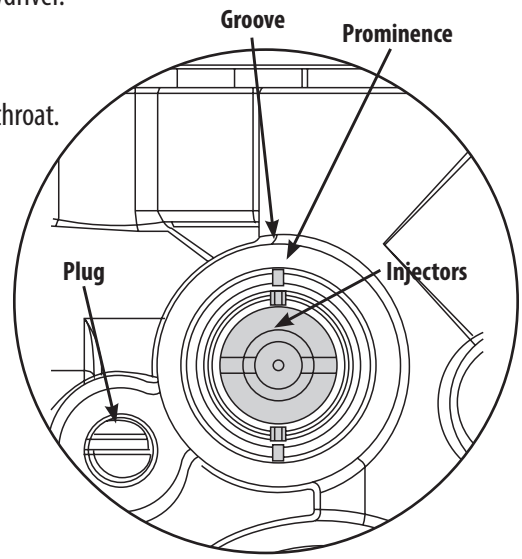
CLEAN INJECTOR ASSEMBLY - FOR MODELS BEFORE JUNE, 2022

Sediment, salt, and silt will restrict or clog the injector. A clean water supply and pure salt will prevent this from happening. The injector assembly is located on the right side of the control valve when facing your softener.

The assembly is easy to clean, start by:

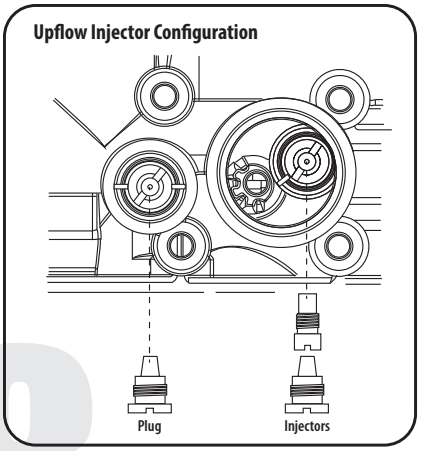
1. Shut the water supply to your softener OFF.
2. Reduce the pressure by opening a cold-treated tap.
3. Using a screwdriver, remove the four (4) screws holding the injector cover to the control valve body.
4. Carefully, remove the cover, and disassemble as shown below.
5. The injector orifice is removed from the valve body by carefully turning it out with a screwdriver.
6. Remove the injector throat the same way.
7. Carefully flush all parts including the screen.
8. Use a mild acid such as vinegar or Pro Rust Out to clean the small holes in the orifice and throat.
9. Reassemble by reversing the procedure.

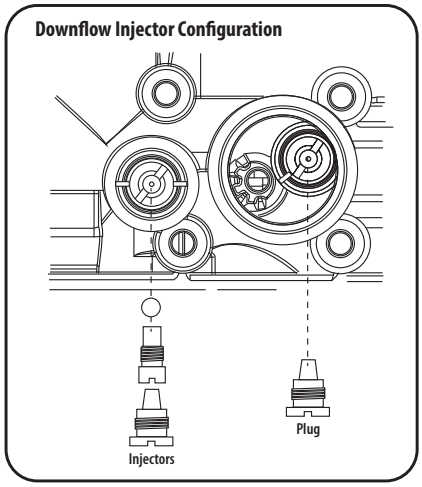




PLEASE NOTE: Make sure the two prominences on the injector are aligned to the grooves on the valve body.

- Remove the four (4) screws of the injector cap.
- Pull the Injector Cap out.
- Remove the Injector Assembly, O-ring, and screen.
- Clean the injectors and replace the cap.
- Be sure to replace the O-rings when reassembling and lubricate with approved 100% silicone-based lubricant. Order Part #92360.
- During final assembly be sure the injector is seated correctly as shown in figure above.





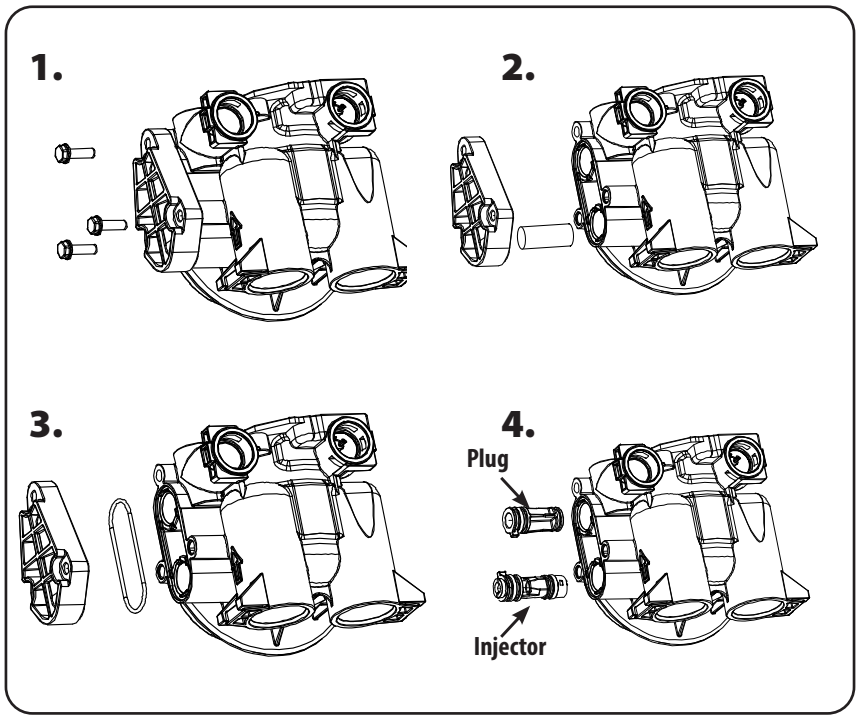
PROBLEM WATER INJECTOR KIT (CONTINUED)

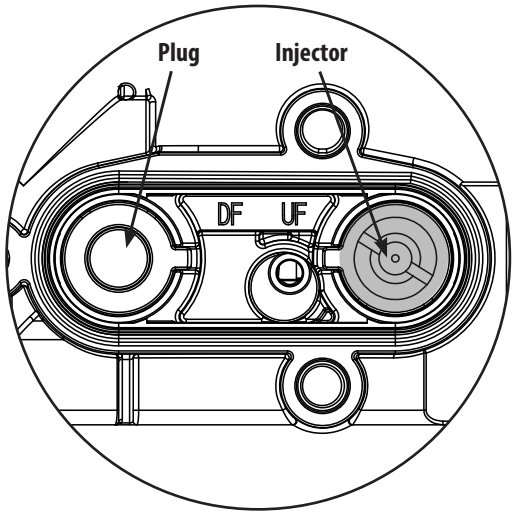
CLEAN INJECTOR ASSEMBLY - FOR MODELS AFTER JUNE, 2022

Sediment, salt, and silt will restrict or clog the injector. A clean water supply and pure salt will prevent this from happening. The injector assembly is located on the right side of the control valve when facing your softener.

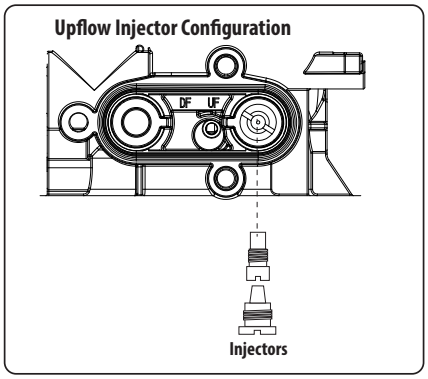
The assembly is easy to clean, start by:

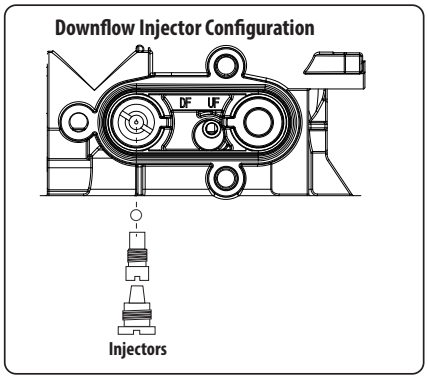
1. Shut the water supply to your softener OFF.
2. Reduce the pressure by opening a cold-treated tap.
3. Using a screwdriver, remove the four (4) screws holding the injector cover to the control valve body.
4. Carefully, remove the cover, and disassemble as shown below.
5. The injector orifice is removed from the valve body by carefully turning it out with a screwdriver.
6. Remove the injector throat the same way.
7. Carefully flush all parts including the screen.
8. Use a mild acid such as vinegar or Pro Rust Out to clean the small holes in the orifice and throat.
9. Reassemble by reversing the procedure.





PLEASE NOTE: Make sure the two prominences on the injector are aligned to the grooves on the valve body.



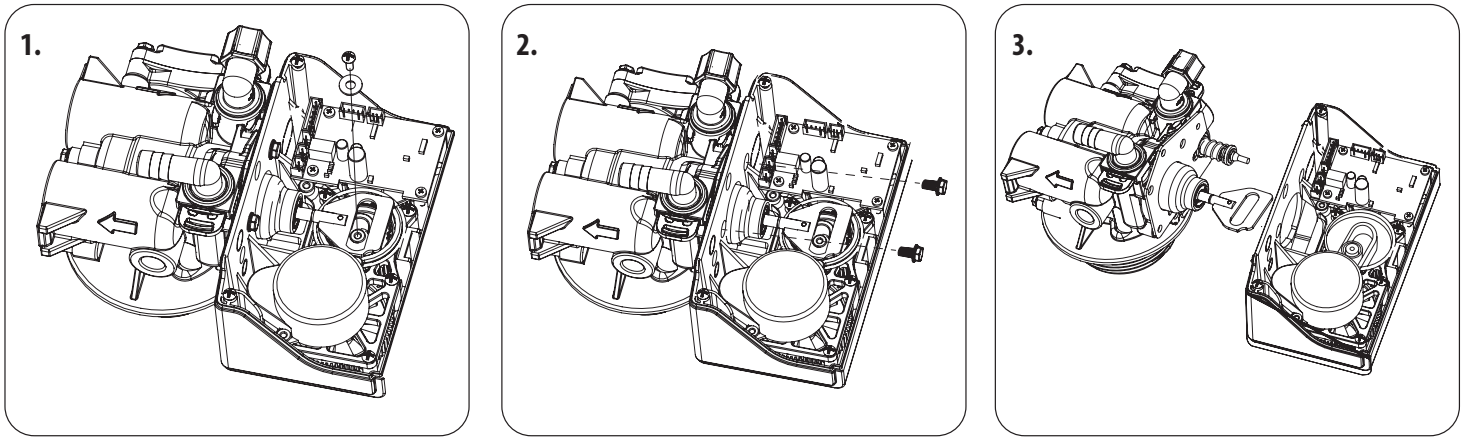


- Remove the three (3) screws of the injector cap.
- Pull the Injector Cap out.
- Remove the Injector Assembly, O-ring, and screen.
- Clean the injectors and replace the cap.
- Be sure to replace the O-rings when reassembling and lubricate with approved 100% silicone-based lubricant. Order Part #92360.
- During final assembly be sure the injector is seated correctly as shown in figure above.

REPLACEMENT/SERVICE

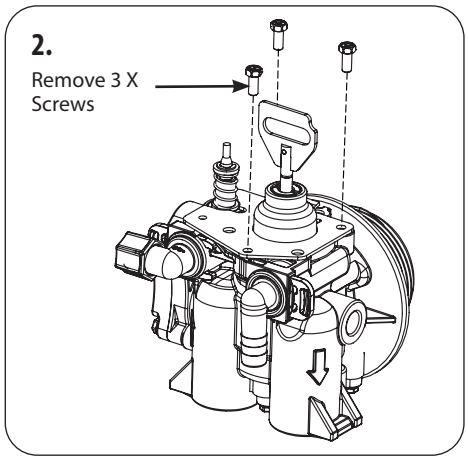
THE FOLLOWING 'REPLACEMENT / SERVICE SECTION', PAGES 9 TO 13 CONTAIN CONTENT THAT SHOULD ONLY BE USED BY A QUALIFIED SERVICE TECHNICIAN:

TIMER REMOVAL

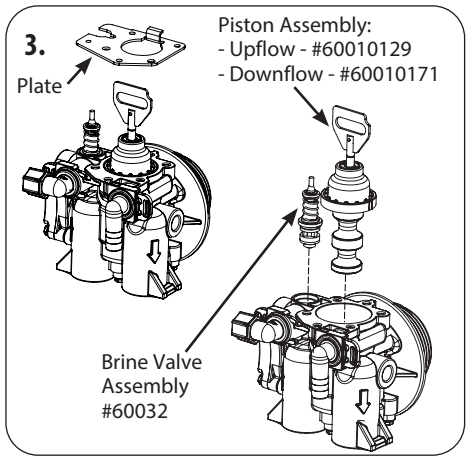


1. Remove screw & washer from piston rod link
2. Remove 2 bolts securing powerhead to body
3. Remove powerhead from body

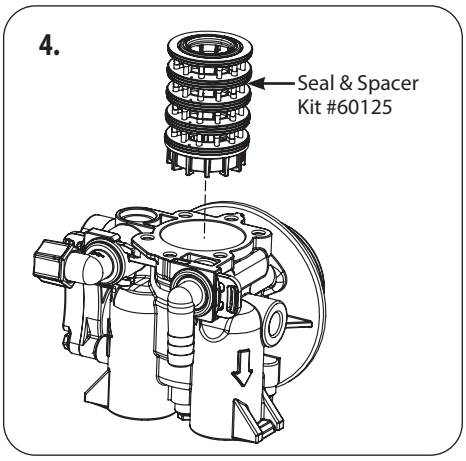
INSPECTION AND REPLACEMENT OF PISTON ASSEMBLY AND SEAL AND SPACER KIT



1. Follow steps 1 to 3 of Timer Removal above.
2. Remove three screws from the plate on the valve body.



3. Remove the plate from the valve body and pull the Piston Assembly from the valve. The brine valve assembly can also be removed in this stage.
4. Remove the seal spacer assembly, grease it with silicone lubricant (# 92360).



5. Re-install in this order: seal and spacer assembly, piston assemby, brine valve assembly, and then the timer assembly.

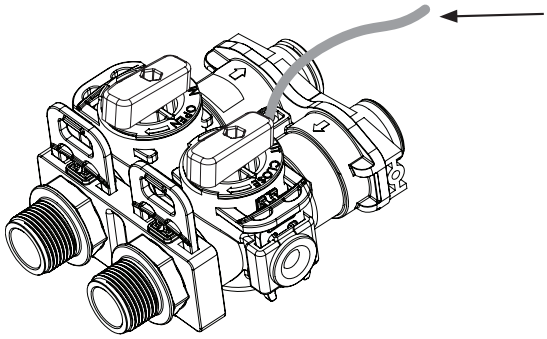
CAUTION!

DO NOT use petroleum based grease products.

BYPASS AND METER CABLE REPLACEMENT

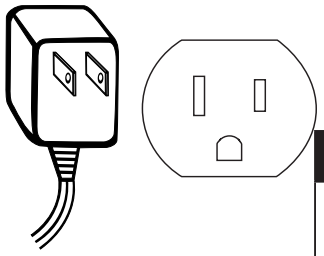
If valve is manufactured before March 20th, 2018, and customer wishes to replace or service impeller on bypass. Customer can order item #60010238.
If customer wishes to replace to new design, then follow the steps below.

60095101	Bypass comes with Meter and Grey Meter Cable



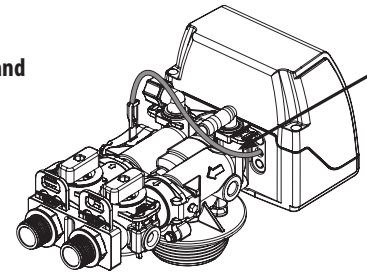
Step 1

Unplug the power from the wall socket.



Step 2*

Remove 2 screws and clips from bypass.

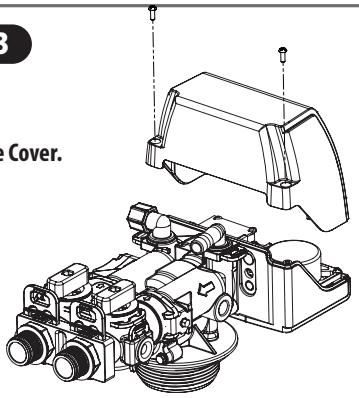


***NOTE**

Water to the household needs to be turned off and pressure relieved before Step 2

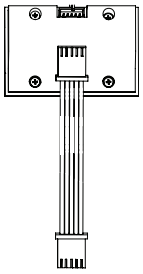
Step 3

Remove Cover.



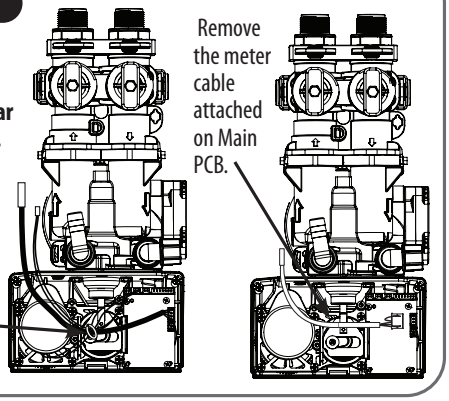
Step 4

Disconnect the cables from the front PCB display.



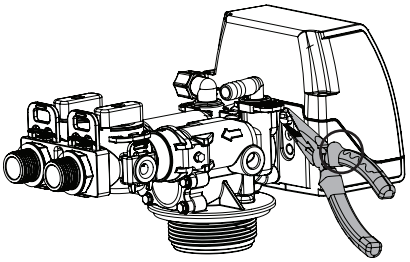
Step 5

Disconnect the cables from the rear PCB display.



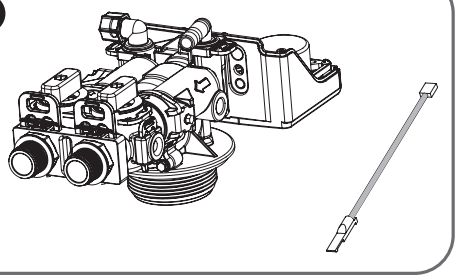
Step 6

Remove strain relief with pliers.



Step 7

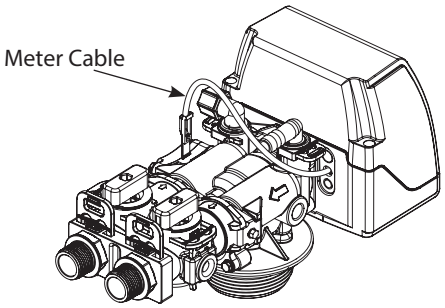
Replace the old cable with the new Cable.



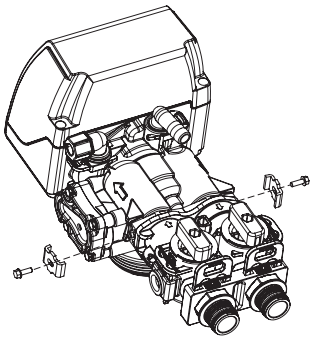
Valve Model	Region	Meter Ratio	
		OLD	NEW
85UF Series	U.S Gallon	8.000	5.680

METER ASSEMBLY REPLACEMENT

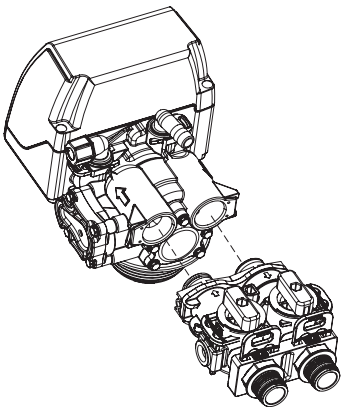
1.



2.



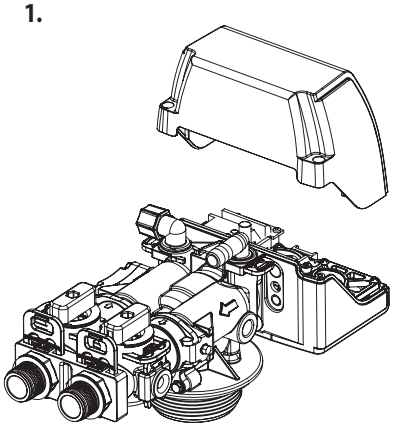
3.



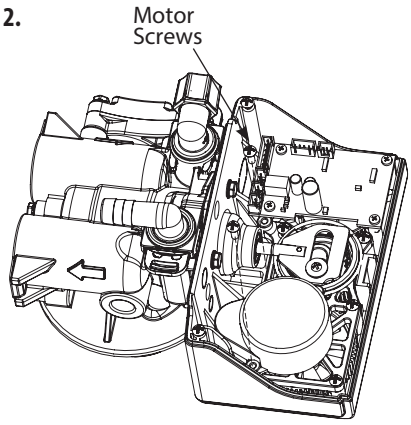
1. Disconnect the meter cable from the meter.
2. Disconnect the valve from bypass by removing clips
3. Remove the coupling adapter from the bypass

MOTOR REPLACEMENT

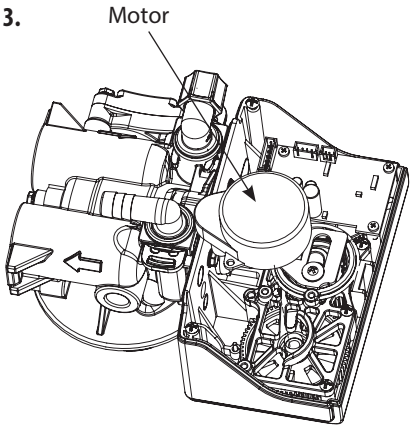
1.



2.

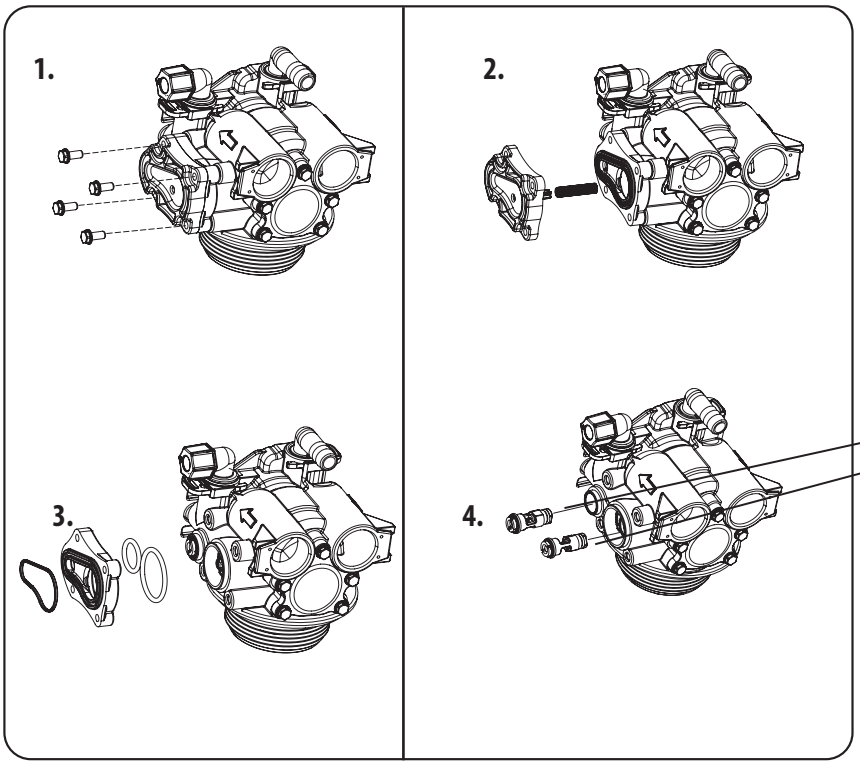


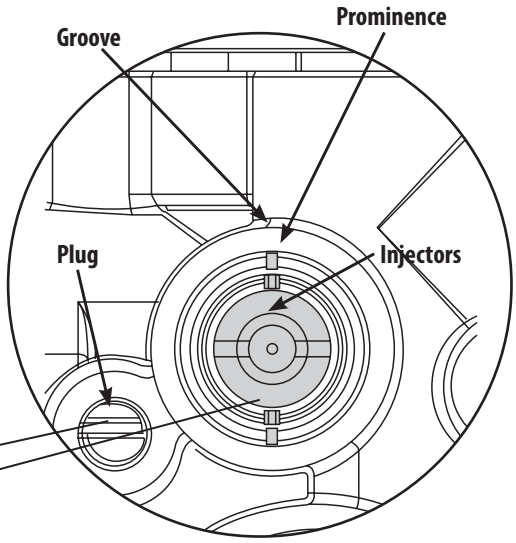
3.



1. Remove the powerhead cover and disconnect the LCD cable from the circuit board
2. Remove the motor screws
3. Pull the motor out from powerhead

CLEAN INJECTOR ASSEMBLY

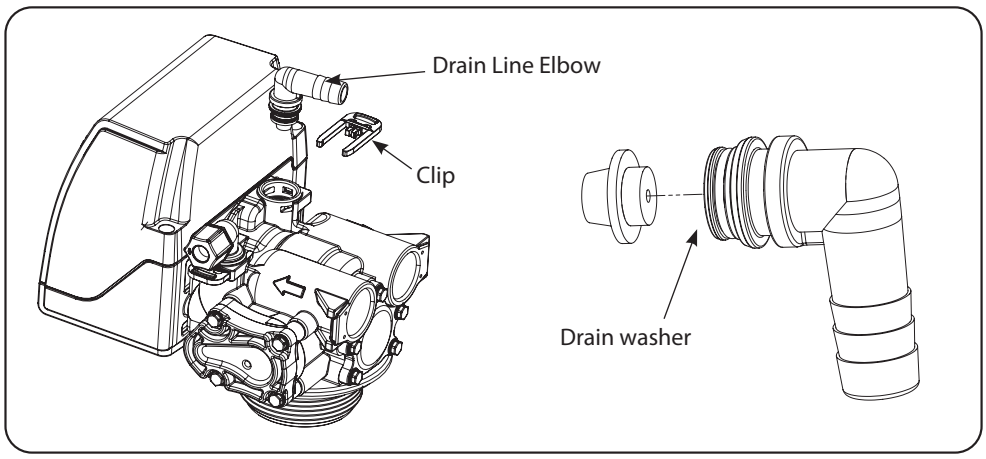




PLEASE NOTE: Make sure the two prominences on the injector are aligned to the grooves on the valve body.

1. Remove four screws of the injector cap.
2. Pull the Injector Cap Out
3. Remove the injector assembly, oring and screen,
4. Clean the injectors then replace screen (if necessary) and re-install end cap assembly and screws

DRAIN LINE FLOW CONTROL REPLACEMENT

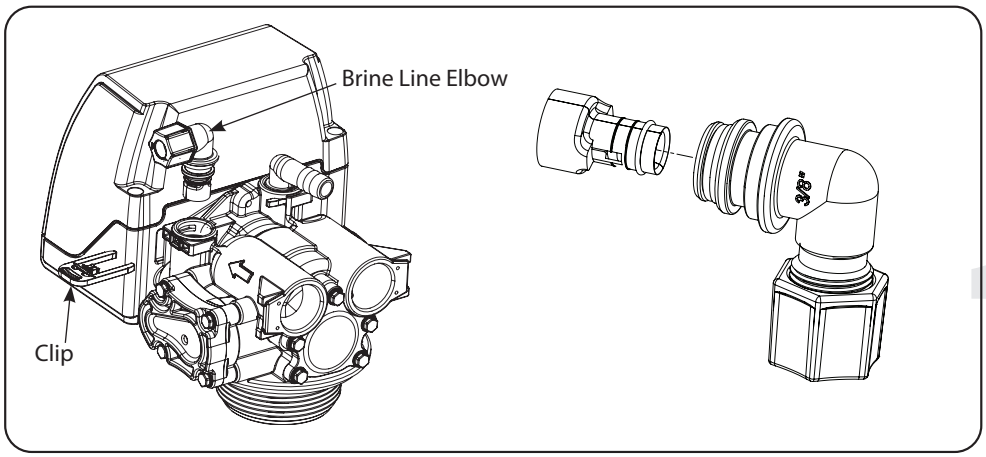


1. Pull the drain line clip and remove the drain line elbow and washer
2. Clean/replace drain line washer

NOTE

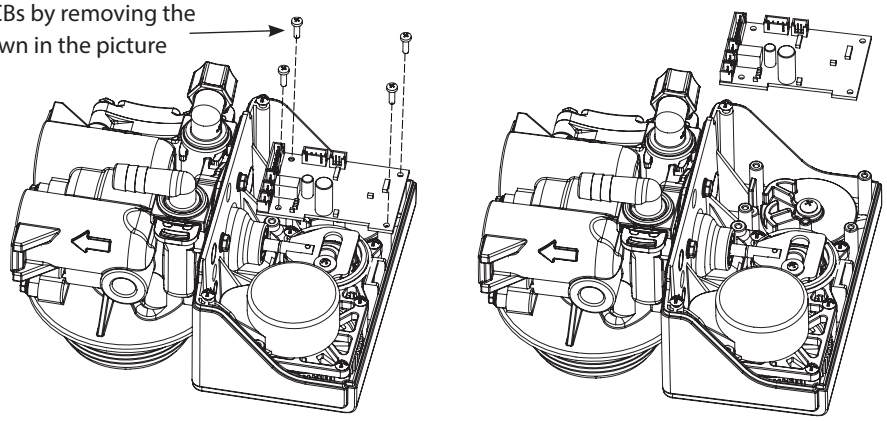
Be sure to shut off any bypass line.

BRINE LINE FLOW CONTROL REPLACEMENT



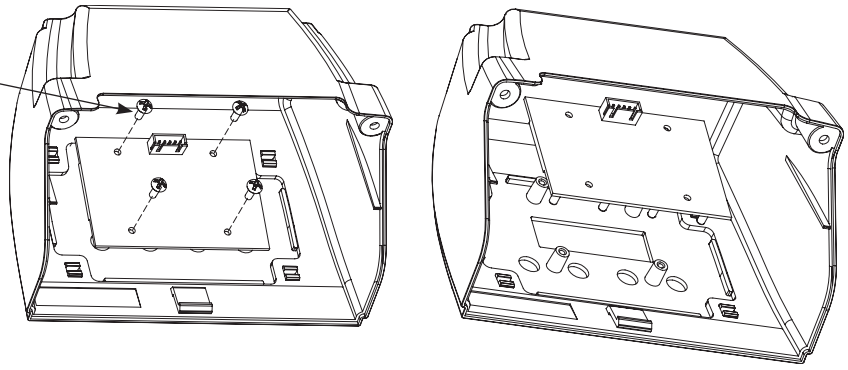
PCB REPLACEMENT

Remove PCBs by removing the screws shown in the picture



DISPLAY REPLACEMENT

Remove Display by removing the screws shown in the picture



AFTER SERVICING

1. Reconnect drain line

2. Return bypass or inlet valve to normal in service position. Water pressure will automatically build in the conditioner.

3. Check for leaks at all sealed areas. Check drain seal with the control in the backwash position.

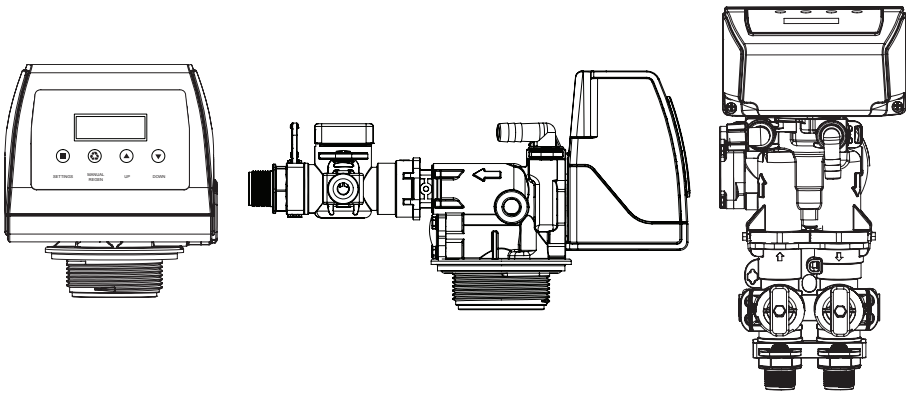
4. Plug electrical cord into outlet

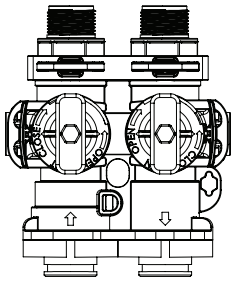
5. Set 'Time of Day 'and cycle the control valve manually to ensure proper function. Make sure control valve is returned to the 'In Service' position.

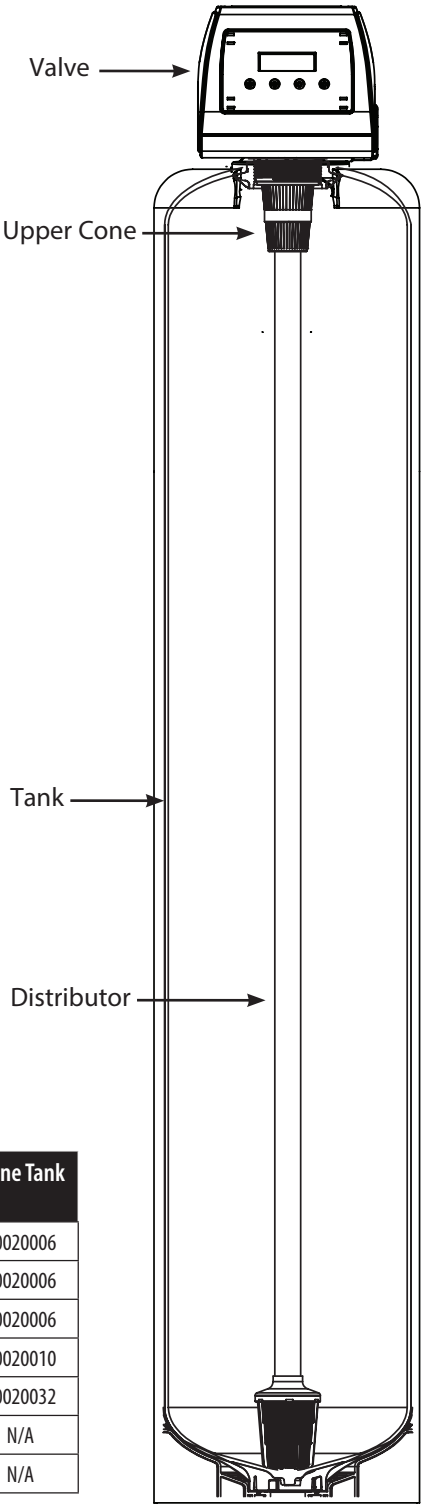
NOTE

Be sure to shut off any bypass line.

PARTS BREAKDOWN

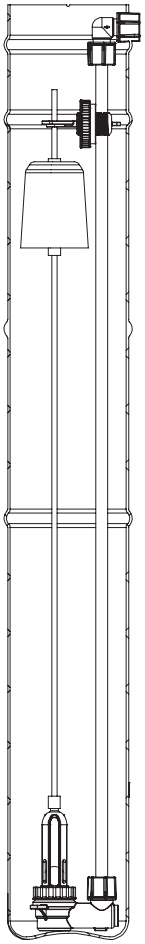




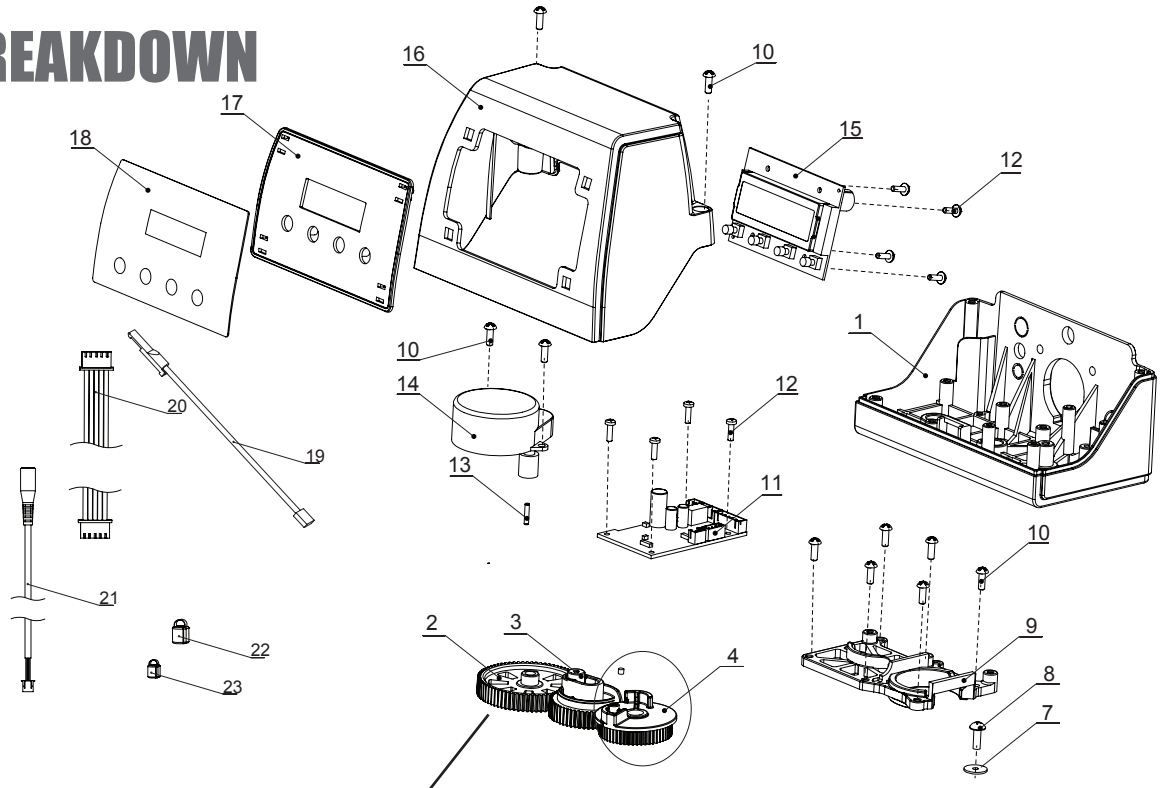


Model	Mineral Tank Size	Tank #	Distributor#	Upper Cone #	Valve #	Media Bed #	Brine Tank
75	8 x 44	25020051	50010019	18280	10010060 (Upflow Valve) 10010062 (Downflow Valve)	95600	30020006
100	9 x 48	25020052	50010006			95601	30020006
150	10 x 54	25020053	50010005			95606	30020006
200	12 x 52	25010058	50010005			95609	30020010
300	14 x 65	25030001 and 50040039	50010010			95604	30020032
75C	9 x 35	25010028	50010020			95600	N/A
100C	10 x 35	25010043	50010020			95601	N/A

PARTS BREAKDOWN



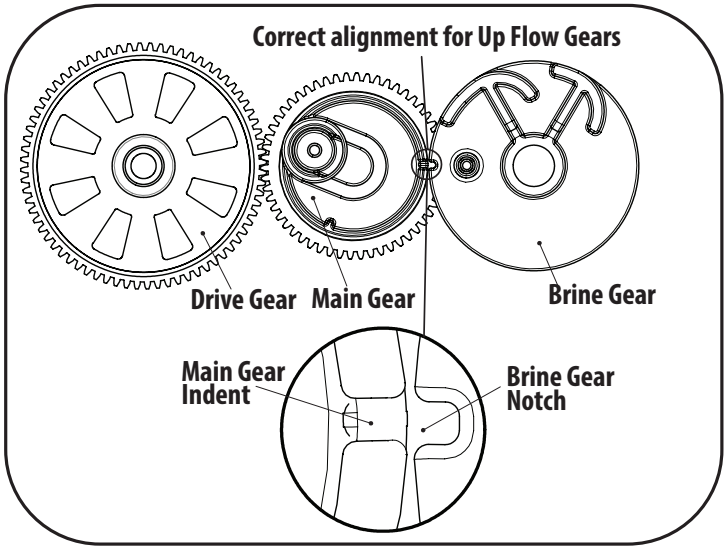
PARTS BREAKDOWN



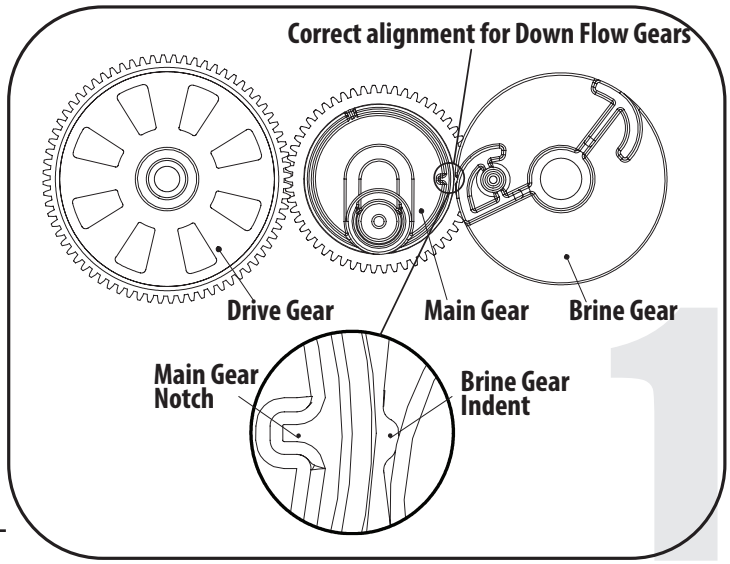
Power head parts list

No.	Part #	Description	Qty
23	60010331	Power Cable Clip	1
22	60010330	Meter Cable Clip	1
21	60010124	Power Cable	1
20	60010240	Display-PCB cable	1
19	60010267	Meter Cable, Grey	1
18	80080164	485HE Face Label	1
17	60095662	Bnt485 Display Plate(White)	1
16	60010309	Bnt485 Housing(White)	1
15	60021979	Bnt85HE Display (After Aug.15, 2019)	1
14	92393	Bnt85 Motor	1
13	60095658	Motor Pin	1
12	60010673	Screw-ST2.9×10	8
11	60021982	Main Pcb, (DF) (After Aug. 15, 2019)	
	60021981	Main Pcb, (UF) (After Aug. 15, 2019)	
10	60010574	Screw-ST3.5x13	10
9	60010573	Bnt85HE Mounting Plate	1
8	60010575	Screw-4.2×12	1
4	60095102	Gear, Brine, 85UF	1
	60095103	Gear, Brine, 85DF	
3	92391	Main Gear, 85HE	1
2	92389	Bnt85 Drive Gear	1
1	60095077	Bnt485 Base(White)	1
	60010371	Complete Powerhead,485UF	
	60010372	Complete Powerhead,485DF	
	60010052	Transformer, 12V	

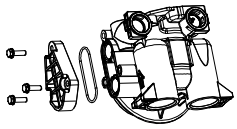
Upflow Gear Alignment



Downflow Gear Alignment

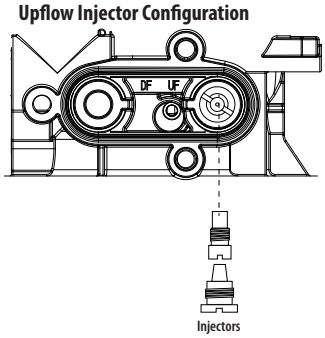


PARTS BREAKDOWN

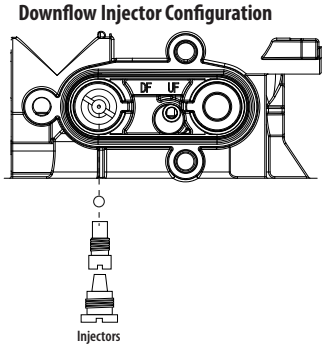


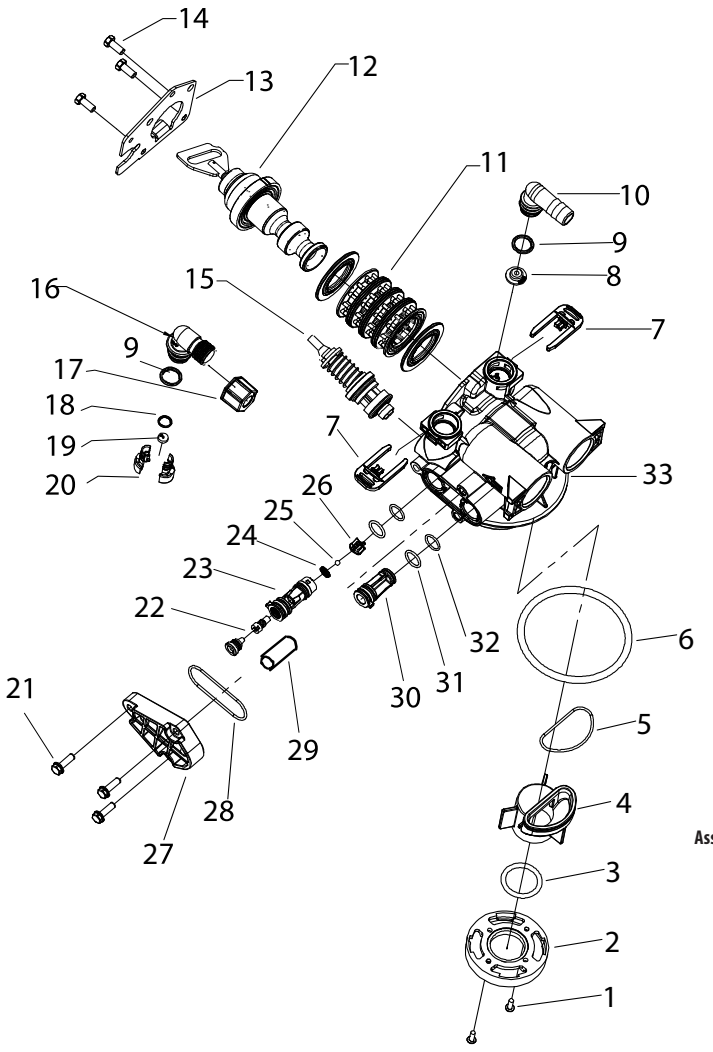
85HE Valve
After
June 2022

Upflow Injector Configuration



Downflow Injector Configuration





85 Valve Body Parts List (After June 2022)

No.	Part #	Description	QTY
1	60010099	Screw 2.9x13	2
2	60010599	Valve Bottom Connector	1
3	60010080	O-Ring 25×3.55	1
4	60010598	Adaptor Central Pipe	1
5	60010597	O-Ring 34.5x1.8	1
6	60010077	O-Ring 78.74×5.33	1
7	60010069	Secure Clips	2
8	optional sizes	Drain Line Flow Washer	1
9	60010044	O-Ring 12×2	2
10	60090001	Drain Fitting	1
11	60010409	Seals and Spacers kit	1
12	60010129	Upflow Piston Assembly	1
	60010171	Downflow Piston Assembly	
13	60010645	End Plug Retainer	1
14	60010075	Screw 5x12	3
15	60010417	Brine Valve	1
16	60090004	Brine Line Elbow	1
17	60010184	Nut 3/8 BLFC	1
18	60010188	O-Ring BLFC Holder	1
19	optional sizes	Brine Line Flow Washer	1
20	60010293	Brine Line Flow Washer Holder	1
21	60010419	Screw 5x20	3
22	optional sizes	Injectors	1
23	60010413	Injector Holder	1
24	60010418	Quad Ring Seal	1
25	60010416	Check Ball (Downflow Valve Only)	1
26	60010410	Retainer	1
27	60010411	Injector Cover	1
28	60010414	Gasget Injector Cover	1
29	60010415	Injector Screen	1
30	60010412	Injector Holder Plugged	1
31	60010338	O-Ring 12.42×1.78	2
32	60010186	O-Ring 12.5×1.5	2
33	60095066	Valve Body	1

Injector Assemblies (22)

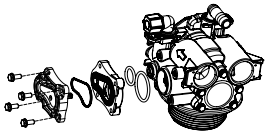
	Part #	Part Description
60010127	60010601	INJECTOR SET #0000 BLACK THROAT
	60010602	NOZZLE #0000 BLACK THROAT
60010126	60010603	INJECTOR SET #000 GREY THROAT
	60010604	NOZZLE #000 GREY THROAT
60010035	60010605	INJECTOR SET #00 VIOLET THROAT
	60010606	NOZZLE #00 VIOLET THROAT
60010034	60010607	INJECTOR SET #0 RED THROAT
	60010608	NOZZLE #0 RED THROAT
60010033	60010609*	INJECTOR SET #1 WHITE THROAT
	60010610*	NOZZLE #1 WHITE THROAT
60010032	60010611	INJECTOR SET #2 BLUE THROAT
	60010612	NOZZLE #2 BLUE THROAT
60010031	60010613	INJECTOR SET #3 YELLOW THROAT
	60010614	NOZZLE #3 YELLOW THROAT
60010686	60010685	INJECTOR SET #4 GREEN THROAT
	60010686	NOZZLE #4 GREEN THROAT

*** Default**

	Part #	Part Description
8	60010131	DLFC #1 1.5GPM
	60010132	DLFC #2 2.0GPM
	60010133	DLFC #3 2.4GPM
	60010135	DLFC #5 3.5GPM
	60010041	DLFC #6 4GPM
	60010169	DLFC #7 5GPM
	60010136	DLFC #A 5.0GPM
	60010137	DLFC #B 7.0GPM
	60010138	DLFC #C 11.0GPM
19	60010110	BLFC BUTTON #2 0.3GPM A32
	60010082*	BLFC BUTTON #2 0.7GPM A32
	60010128	BLFC BUTTON 0.2GPM

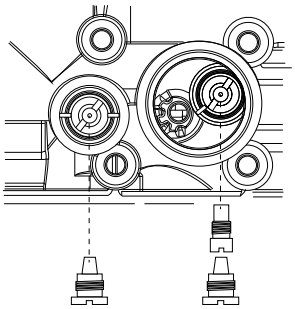
Item #s For All Injector Assemblies and Brine Line and Drain Line Washers

PARTS BREAKDOWN

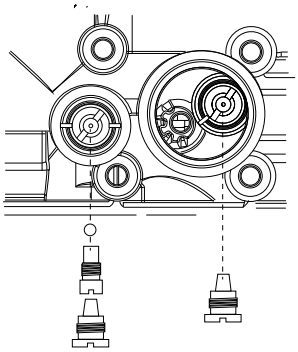


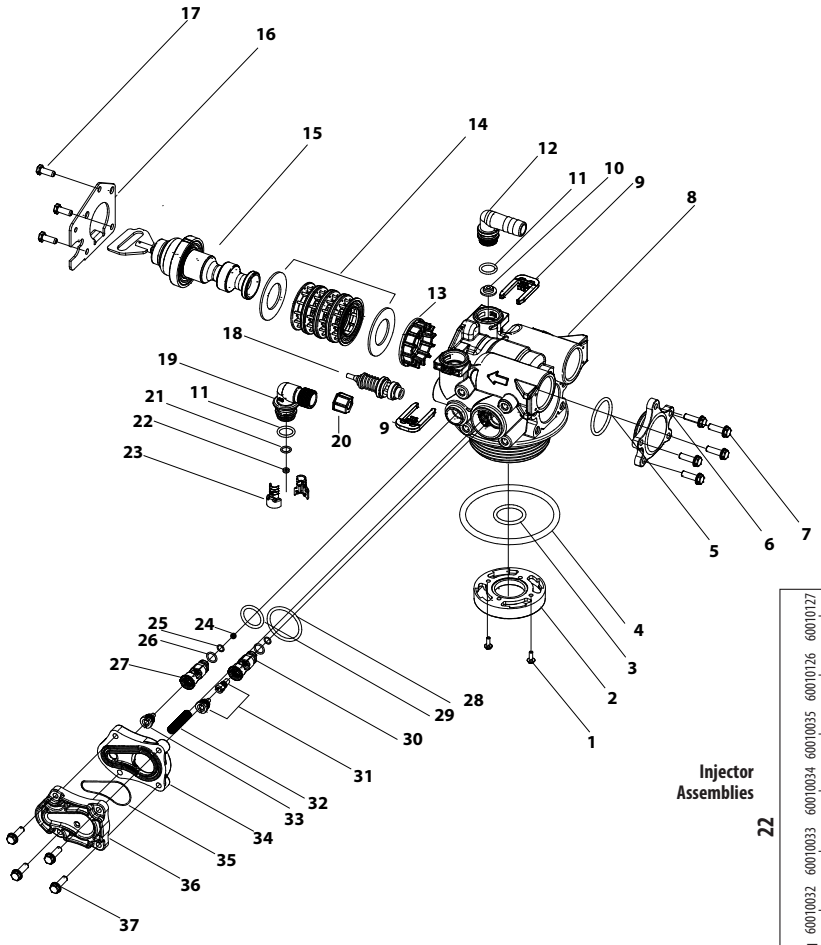
85HE Valve
Before
June 2022

Upflow Injector Configuration



Downflow Injector Configuration





85 Valve Body Parts List (Before June 2022)

No.	Part #	Description	Qty
1	60010099	Screw 2.9x13	2
2	60010599	Valve Bottom Connector	1
3	60010080	O-Ring 25×3.55	1
4	60010077	O-Ring 78.74×5.33	1
5	60095614	O-Ring 30×2.65	1
6	60095063	End Cover	1
7	60010596	Screw 5x12	5
8	60095061	Valve Body	1
9	60010069	Secure Clip	2
10	optional sizes	Drain Line Flow Washer	1
11	60010044	O-Ring 12×2	2
12	60090001	Drain Fitting	1
13	60095060	Spacer (Before June 2022 Only)	1
14	60010409	Seals and Spacers kit	1
15	60010129	Upflow Piston Assembly	1
	60010171	Downflow Piston Assembly	
16	60010645	End Plug Retainer	1
17	60010075	Screw 5x12	3
18	60010417	Brine Valve	1
19	60090004	Brine Line Elbow	1
20	60010184	Nut 3/8 BLFC	1
21	60010188	O-Ring BLFC Holder	1
22	optional sizes	Brine Line Flow Washer	1
23	60010293	Brine Line Flow Washer Holder	1
24	60010191	Check Ball (Downflow Valve Only)	1
25	60010187	O-Ring 8×1.5	2
26	60010186	O-Ring 12.5×1.5	2
27	60010175	Injector Plug Body	1
28	60010190	O-Ring 32×3	1
29	60010189	O-Ring 18×3	1
30	60010174	Injector Fixed Sleeve	1
31	optional sizes	Injectors	1
32	60010192	Injector Screen	1
33	60095076	Injector Plug	1
34	60010193	Injector Cover Body	1
35	60010195	O-Ring 40×2.65	1
36	60010194	Injector Cover Cap	1
37	60010196	Screw 5×25	4

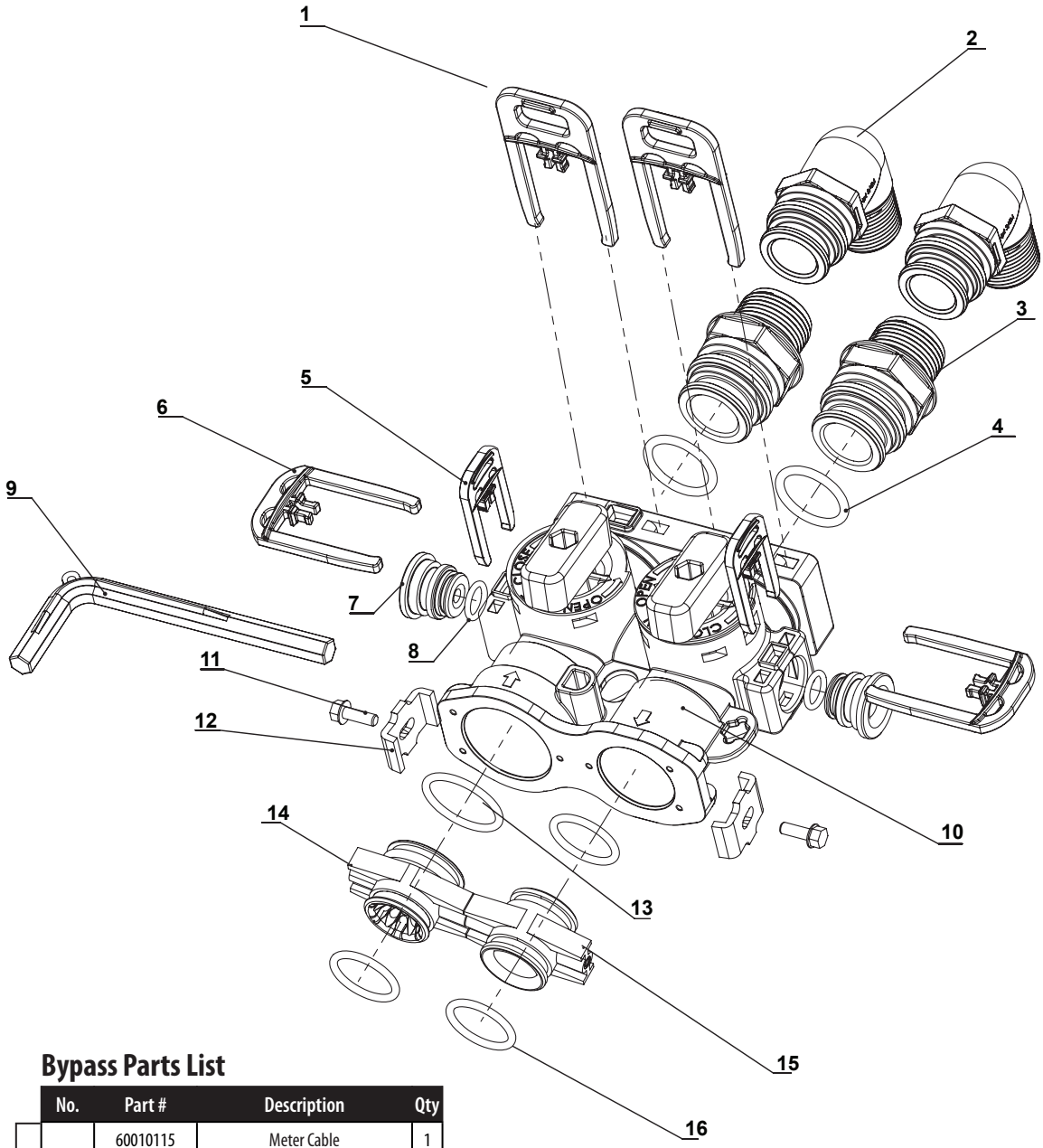
Injector Assemblies

		Part #	Part Description
22	60010127	60010601	INJECTOR SET #0000 BLACK THROAT
		60010602	NOZZLE #0000 BLACK THROAT
	60010126	60010603	INJECTOR SET #000 GREY THROAT
		60010604	NOZZLE #000 GREY THROAT
	60010035	60010605	INJECTOR SET #00 VIOLET THROAT
		60010606	NOZZLE #00 VIOLET THROAT
	60010034	60010607	INJECTOR SET #0 RED THROAT
		60010608	NOZZLE #0 RED THROAT
	60010033	60010609*	INJECTOR SET #1 WHITE THROAT
		60010610*	NOZZLE #1 WHITE THROAT
	60010032	60010611	INJECTOR SET #2 BLUE THROAT
		60010612	NOZZLE #2 BLUE THROAT
	60010031	60010613	INJECTOR SET #3 YELLOW THROAT
		60010614	NOZZLE #3 YELLOW THROAT
	60010686	60010685	INJECTOR SET #4 GREEN THROAT
		60010686	NOZZLE #4 GREEN THROAT

	Part #	Part Description
8	60010131	DLFC #1 1.5GPM
	60010132	DLFC #2 2.0GPM
	60010133	DLFC #3 2.4GPM
	60010135	DLFC #5 3.5GPM
	60010041	DLFC #6 4GPM
	60010169	DLFC #7 5GPM
	60010136	DLFC #A 5.0GPM
	60010137	DLFC #B 7.0GPM
	60010138	DLFC #C 11.0GPM
19	60010110	BLFC BUTTON #2 0.3GPM A32
	60010082*	BLFC BUTTON #2 0.7GPM A32
	60010128	BLFC BUTTON 0.2GPM

Item #s For All Injector Assemblies and Brine Line and Drain Line Washers

PARTS BREAKDOWN

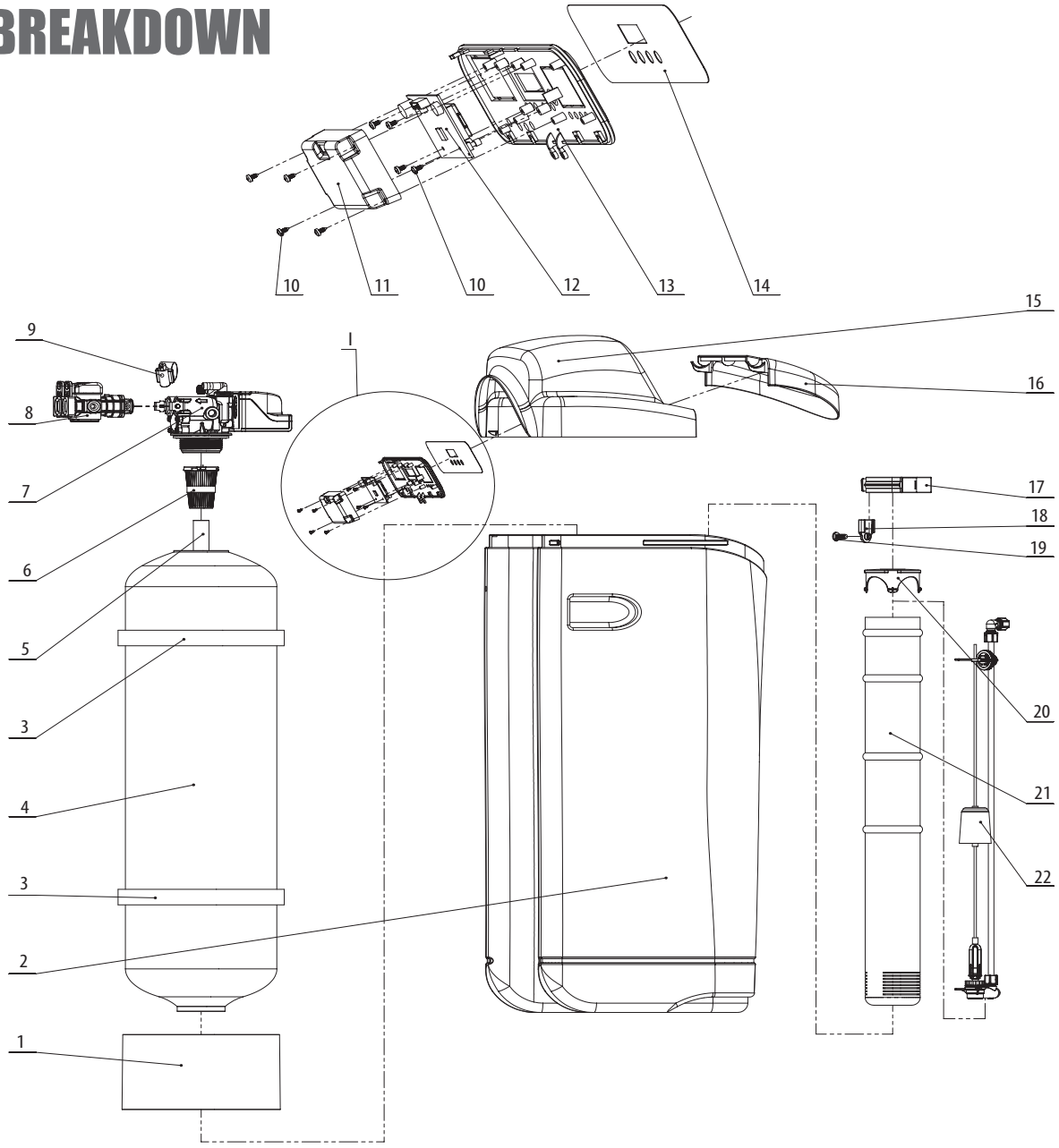


Bypass Parts List

60095101

No.	Part #	Description	Qty
	60010115	Meter Cable	1
16	60010562	Small O-ring on Connector(Outlet)	3
15	60010079	Valve-Bypass Connector(Inlet)	1
14	60010101	Valve-Bypass Connector(Outlet)	1
13	60010561	Big O-ring on Connector(Outlet)	1
12	60010046	SS Clip	2
11	60010701	Screw on SS Clip	2
10		063 Bypass Body	1
9	60010006	Bypass Tool	1
8	60010044	O-ring on Plug	2
7	60010209	Bypass Plug	2
6	60095090	Shaft Clip	2
5	92846	Plug Clip	2
4	60010026	O-ring on Inlet and Outlet	2
3	60010019	Straight 1" NPT Inlet and Oulet	2
2	60010023	Elbow 3/4" NPT Inlet and Oulet	2
1	60010025	Secure Clip Inlet and Oulet	2

PARTS BREAKDOWN



Cabinet Parts List

No.	Part #	Description	Qty
22	55010023	0435 BRINE VALVE ASSEMBLY	1
21	55010010	0435 BRINE WELL	1
20	55020002	4" BRINE WELL CAP	1
19, 18 & 17	55010022	KIT, CLIP, BRINE WELL	1
16	85010132	SALT LID(CS5)	1
15		HIGH COVER(CS5)	1
14	80080015	CONTROL PLATE LABEL	1
13	80080021	CONTROL PLATE(CS5)	1
12	60010180	85HE DISPLAY BOARD	1
11		TRANSPARENT BACK COVER	1
10		SCREW 2.9×6.5	10
9	302171	DRAIN LINE CLAMP	1
8	60095097-1	CANATURE BYPASS VALVE C/W METER	1
7	10010061	CONTROL VALVE ASSEMBLY(CS5)	1

No.	Part #	Description	Qty
6	18280	TOP CONE	1
5	50010020	D-TUBE(35")	1
4	25010028	PRESSURE TANK 0935(WITHOUT MEDIA)	1
	25010043	PRESSURE TANK 1035(WITHOUT MEDIA)	
3		PRESSURE TANK PROTECTION 9"	2
		PRESSURE TANK PROTECTION 10"	
2	N/A	TANK ASSY CS5H-935	1
	N/A	TANK ASSY CS5H-1035	
1	50010011	9" TANK BASE	1
	50010013	10" TANK BASE	

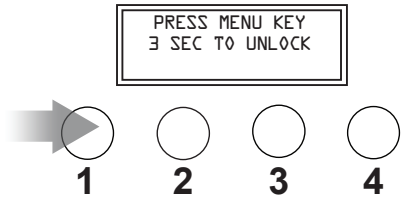
LEVEL 2 PROGRAMMING (OPTIONAL SETTINGS):

NOTE

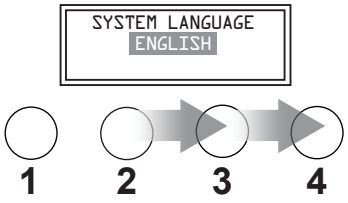
Under normal use there is no need to change the settings under level 2 programming. You can, however, change the default settings if required.

CAUTION: DO NOT CHANGE LEVEL 2 SETTINGS WITHOUT CONSULTING A CANATURE WATERGROUP TECHNICIAN (1-877-288-9888). Incorrectly changing the settings can result in malfunction of the unit.

When the Level 2 Master Programming Mode is entered, all available option setting displays may be viewed and set as needed. Depending on current option settings, some parameters cannot be viewed or set.



The display will read Press **SETTINGS ■ for 3 sec to unlock".** After 3 seconds, the display will beep confirming unlock



Press and hold ▲ ▼ ***together*** for three seconds to enter Level Two Master Programming

To change any setting under level 2 programming:

- Press the **MANUAL REGEN** ♻ key button and the value flashes
- Press the **UP** ▲ or **DOWN** ▼ keys to change the value
- Press the **MANUAL REGEN** ♻ again to accept value
- Press the **DOWN** ▼ key to advance to the next value

MASTER PROGRAMMING

Press **Up** and **Down** Buttons together for 5 seconds

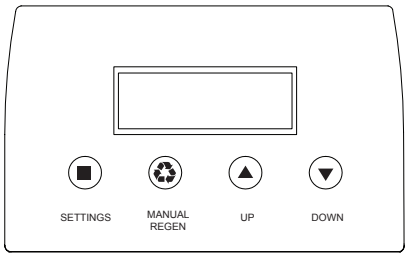
Press **MANUAL REGEN** Button and and change value using **Up** and **Down** Buttons

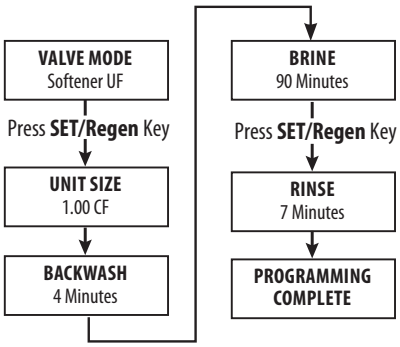
Key Pad Setting

SETTINGS This function is to enter the basic set-up information required at the time of installation.

MANUAL REGEN This function is to initiate an immediate or delayed manual regeneration.

DOWN / UP Increase or decrease the value of the settings while in the programming mode.





Main Valve Settings	
Meter Ratio	METER RATIO AFTER MAR 20,2018 - 5.68 METER RATIO BEFORE MAR 20,2018 - 8.00
Service Delay	3.0
Backwash Delay	7.0
Brine Delay	4.0
Rinse Delay	5.0
Refill Delay	4.0

SOFTENER UPFLOW (UF)

This mode is for the operation of an up flow regenerating softener. The amount of salt used each regeneration is proportional to the capacity remaining in the system. A preset amount of brine (Default is 70%) is prepared after a normal regeneration. Just before a regeneration is scheduled, fresh water is added to the brine tank to "top off" the already prepared 70% of brine. The total amount of brine used to regenerate the system is proportional to the capacity remaining.

I.e. If the system has 10% capacity remaining, then only 90% of the salt dosage is needed to restore capacity to 100%. 70% of the brine is already prepared (and fully saturated) so 20% is added so that the total of 90% is prepared.
When a standard regeneration is started, the valve will move first to the refill position to add water to the brine tank. The amount of water added is equal to the calculated refill time for the salt dosage X Brine Tank Refill%. The valve then will return to service for the amount of Brine Make Time. When this is com-plete the valve will move to the Brine position.

The regeneration sequence is 1. BRINE MAKE (REFILL), 2. BRINE, 3. BACKWASH, 4 RINSE, 5. RE-FILL.

LANGUAGE

Current available language is English.

UNITS

Current unit of measure is gallons. Metric units may become available at a later date.

EFFICIENCY & CAPACITY SETTINGS

There are 3 settings to choose in Settings. High Efficiency, Standard Capacity, and Iron & Manganese. The values for these settings are set in the Factory Options and are used to calculate the system capacity and refill time.

REFILL

This value should match the BLFC flow washer. It is used to calculate the refill time.

BRINE MAKE TIME

This value is the time allowed for the salt to dissolve in the water to create the brine solution. The value is the amount of time ahead of the scheduled regeneration time that the water will be added to "top off" the brine already prepared in the brine tank.

BRINE PRE-FILL%

This is the percentage of the water that will be added to the brine tank after a regener-ation. The default is 70%. The remaining amount of water will be added just prior to the regeneration and will be proportional to the amount of capacity left in the system.

DAILY RESERVE

This value is used to calculate the reserve capacity. Reserve Capacity = No. People x DAILY RESERVE.

DAY OVERIDE

This setting can be used to add number of days to over ride the meter. As an example if the setting is 5, the system will regenerate after 5 days even if there is still gallons capacity remaining. OFF will cancel this feature.

RINSE OVERIDE

This setting can be used to skip the RINSE cycle. As an example if the setting is 10, the system will skip 10 rinse. OFF will cancel this feature.

BW OVERIDE

This setting can be used to skip the back wash cycle. As an example if the setting is 10, the system will skip 10 back wash cycles. The setting will only work if the WATER TYPE is set to CITY for clean water applications.

FORCED REGEN

When set to ON, the system will start a forced regeneration when the remaining capacity reaches 3%. The regeneration consists of 8 minutes of Brine and 12 minutes of Rinse.
The 20 minutes regeneration will restore up to 33% of the system capacity. At the next regeneration time (2:00 AM), the system will automat-ically perform a standard regenera-tion to restore ca-pacity to 100%.

SMART CLEAN

When set to ON, the system will perform a 10 minute back wash and 10 minute rinse if there is no water flow detected after 7 days. The regeneration will occur at the scheduled REGEN TIME.

MASTER PROGRAMMING

85UF Upflow Softener Programming

85UF SOFTENER -Programming								Effective MFG Date 08/15/2019
MASTER SETTINGS	**PRESS & HOLD**	**□■▲▼**	or	**PRESS & HOLD**	**▼**	**CODE 919**		
UNIT SIZE	**-75C**	**-100C**	**-75**	**-100**	**-150**	**-200**	**-250**	**-300**
VALVE TYPE	UF UF	85UF	85UF	85UF	85UF	85UF	85UF	85UF
SOFTWARE VER.	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT
METER TYPE	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H
METER RATIO	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568
POWER FREQ.	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Service Delay	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Backwash Delay	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
Brine Delay	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
Rinse Delay	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Refill Delay	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
ADVANCED SETTINGS	**PRESS & HOLD**	**□□▲▼**	or	**PRESS & HOLD**	**▼**	**CODE 119**		
VALVE MODE	SOFTENER UF	SOFTENER UF	SOFTENER UF	SOFTENER UF	SOFTENER UF	SOFTENER UF	SOFTENER UF	SOFTENER UF
SYSTEM SIZE	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.
RESIN VOL.	0.75C CF	1.00C CF	0.75 CF	1.00 CF	1.50 CF	2.00 CF	2.50 CF	3.00 CF
SALT SETTING	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
BACKWASH	3	3	4	4	5	4	4	4
BRINE	70	80	69	103	133	108	105	138
RINSE	6	6	7	7	9	7	8	9
REFILL	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default
LOCK VALVE	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK
FACTORY SETTINGS	**PRESS & HOLD**	**■■□□**	or	**PRESS & HOLD**	**▼**	**CODE 100**		
LANGUAGE	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH
UNITS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS
HARDNESS UNITS	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
HIGH EFFICIENCY	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT
HIGH EFFICIENCY	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains
STD CAPACITY	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT
STD CAPACITY	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS
IRON & MN	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT
IRON & MN	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS
REFILL FLOWRATE	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM
BRINE MAKE TIME	30 MINUTES	30 MINUTES	30 MINUTES	30 MINUTES	30 MINUTES	30 MINUTES	30 MINUTES	30 MINUTES
BRINE PRE-FILL %	70%	70%	70%	70%	70%	70%	70%	70%
DAILY RESERVE	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL
DAY OVERIDE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
RINSE OVERIDE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
BW. OVERIDE	10	10	10	10	10	10	10	10
FORCED REGEN.	ON	ON	ON	ON	ON	ON	ON	ON
SMART CLEAN	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SETTINGS	**PRESS & HOLD**	**■□□□**						
TIME OF DAY	SET	SET	SET	SET	SET	SET	SET	SET
YEAR	SET	SET	SET	SET	SET	SET	SET	SET
MONTH	SET	SET	SET	SET	SET	SET	SET	SET
DAY	SET	SET	SET	SET	SET	SET	SET	SET
SET HARDNESS	25.0 GPM	25.0 GPM	25.0 GPM	25.0 GPM	25.0 GPM	25.0 GPM	25.0 GPM	25.0 GPM
SET PEOPLE	4	4	4	4	4	4	4	4
SALT SETTING	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
WATER SOURCE	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER
REGEN TIME	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM
LOAD DEFAULT	NO	NO	NO	NO	NO	NO	NO	NO
AUX OPTIONS	**PRESS & HOLD**	**□□□▼**	**CODE 181**					
AUX IN	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
AUX OUT	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
EXCS. WATER USE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
EXT. FLO COND.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LANGUAGE SET	00028F	00028F	00028F	00028F	00028F	00028F	00028F	00028F
ADVANCED SET	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
SALT REMINDER	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
MIXING VALVE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
DEALER INFO	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
VALVE SETUP								
Injector	#1 WHITE	#1 WHITE	#1 WHITE	#1 WHITE	#1 WHITE	#2 Blue	#2 Blue	#3 Yellow
BLFC Washer	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM	0.20 GPM
DLFC Washer	#2 2.0 GPM	#3 2.4 GPM	#1 1.5 GPM	#2 2.0 GPM	#3 2.4 GPM	#5 3.5 GPM	#A 5.0 GPM	#A 5.0 GPM
UPPER CONE	YES	YES	YES	YES	YES	YES	YES	YES

MASTER PROGRAMMING

85HE Downflow Softener Programming

85DF SOFTENER -Programming							Effective MFG Date 08/15/2019	
MASTER SETTINGS	**PRESS & HOLD**	**□■▲▼**	or	**PRESS & HOLD**	**▼**	**CODE 919**		
UNIT SIZE	**-75C**	**-100C**	**-75**	**-100**	**-150**	**-200**	**-250**	**-300**
VALVE TYPE	85DF	85DF	85DF	85DF	85DF	85DF	85DF	85DF
SOFTWARE VER.	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT	DEFAULT
METER TYPE	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H	TB-H
METER RATIO	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568	A:2.90 K:0.568
POWER FREQ.	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
Service Delay	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Backwash Delay	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Brine Delay	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Rinse Delay	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
Refill Delay	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ADVANCED SETTINGS	**PRESS & HOLD**	**□□▲▼**	or	**PRESS & HOLD**	**▼**	**CODE 119**		
VALVE MODE	SOFTENER DF	SOFTENER DF	SOFTENER DF	SOFTENER DF	SOFTENER DF	SOFTENER DF	SOFTENER DF	SOFTENER DF
SYSTEM SIZE	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.	RESIN VOL.
RESIN VOL..	0.75C CF	1.00C CF	0.75 CF	1.00 CF	1.50 CF	2.00 CF	2.50 CF	3.00 CF
SALT SETTING	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
BACKWASH	6	6	7	7	9	7	8	9
BRINE	38	47	41	61	78	75	80	122
RINSE	3	3	4	4	5	4	4	4
REFILL	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default	AUTO Default
LOCK VALVE	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK	LOCK
FACTORY SETTINGS	**PRESS & HOLD**	**■■□□**	or	**PRESS & HOLD**	**▼**	**CODE 100**		
LANGUAGE	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH	ENGLISH
UNITS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS	GALLONS
HARDNESS UNITS	GPM	GPM	GPM	GPM	GPM	GPM	GPM	GPM
HIGH EFFICIENCY	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT	3.0 lbs/CUFT
HIGH EFFICIENCY	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains	5000 Grains
STD CAPACITY	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT	6.0 lbs/CUFT
STD CAPACITY	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS	4100 GRAINS
IRON & MN	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT	12.0 lbs/CUFT
IRON & MN	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS	2500 GRAINS
REFILL FLOWRATE	0.30 gpM	0.30 gpM	0.30 gpM	0.30 gpM	0.30 gpM	0.30 gpM	0.30 gpM	0.30 gpM
DAILY RESERVE	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL	75 GAL
DAY OVERIDE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
RINSE OVERIDE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
BW. OVERIDE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
FORCED REGEN.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SMART CLEAN	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
SETTINGS	**PRESS & HOLD**	**■□□□**						
TIME OF DAY	SET	SET	SET	SET	SET	SET	SET	SET
YEAR	SET	SET	SET	SET	SET	SET	SET	SET
MONTH	SET	SET	SET	SET	SET	SET	SET	SET
DAY	SET	SET	SET	SET	SET	SET	SET	SET
SET HARDNESS	25.0 gpG	25.0 gpG	25.0 gpG	25.0 gpG	25.0 gpG	25.0 gpG	25.0 gpG	25.0 gpG
SET PEOPLE	4	4	4	4	4	4	4	4
SALT SETTING	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD	STANDARD
WATER SOURCE	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER	WELL / OTHER
REGEN TIME	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM	2:00 AM
LOAD DEFAULT	NO	NO	NO	NO	NO	NO	NO	NO
AUX OPTIONS	**PRESS & HOLD**	**□□□▼**	**CODE 181**					
AUX IN	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
AUX OUT	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
EXCS. WATER USE	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
EXT. FLO COND.	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF
LANGUAGE SET	00028F	00028F	00028F	00028F	00028F	00028F	00028F	00028F
ADVANCED SET	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
SALT REMINDER	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
MIXING VALVE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
DEALER INFO	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE	DISABLE
VALVE SETUP								
Injector	#1 WHITE	#1 WHITE	#1 WHITE	#1 WHITE	#1 WHITE	#2 Blue	#2 Blue	#3 Yellow
BLFC Washer	0.30 GPM	0.30 GPM	0.30 GPM	0.30 GPM	0.30 GPM	0.30 GPM	0.30 GPM	0.30 GPM
DLFC Washer	#2 2.0 GPM	#3 2.4 GPM	#1 1.5 GPM	#2 2.0 GPM	#3 2.4 GPM	#5 3.5 GPM	#A 5.0 GPM	#A 5.0 GPM
UPPER CONE	YES	YES	YES	YES	YES	YES	YES	YES

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