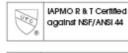
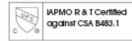
# 785 DF Softener System

- 1. Read all instructions carefully before operation.
- Avoid pinched O-rings during installation by applying (provided with install kit) NSF certified lubricant to all seals.
- 3. This system is not intended for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.





REVISION #

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### **Unpacking / Inspection**

Be sure to check the entire softener for any shipping damage or parts loss. Also note damage to the shipping cartons. Contact the transportation company for all damage and loss claims. The manufacturer is not responsible for damages in transit.

Small parts, needed to install the softener, 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 water softening system. Do not turn upside down, drop, drag or set on sharp protrusions.
- The water softening 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.
- Use clean water softening salts only, at least 99.5% pure. NUGGET, PELLET or

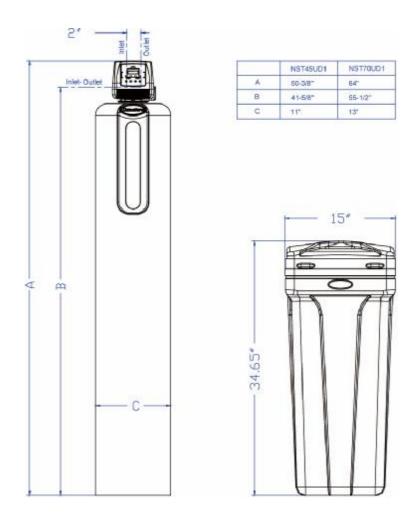
- coarse SOLAR salts are recommended. Do not use rock, block, granulated or ice cream making salts. They contain dirt and sediments, or mush and cake, and will create maintenance problems.
- Keep the salt lid in place on the softener unless servicing the unit or refilling with salt.
- WARNING: This system 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 softening 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 flow if necessary.
- Softener resins may degrade in the presence of chlorine above 2 ppm. If you have chlorine in excess of this amount, you may experience reduced life of the resin. In these conditions, you may wish to consider purchasing a whole house carbon filter softener system with a chlorine reducing media.
- WARNING: Discard all unused parts and packaging material after installation. Small parts remaining after the installation could be a choke hazard.



# 

- 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.

### **Before Starting Installation**

### Tools, Pipe, and Fittings, Other Materials

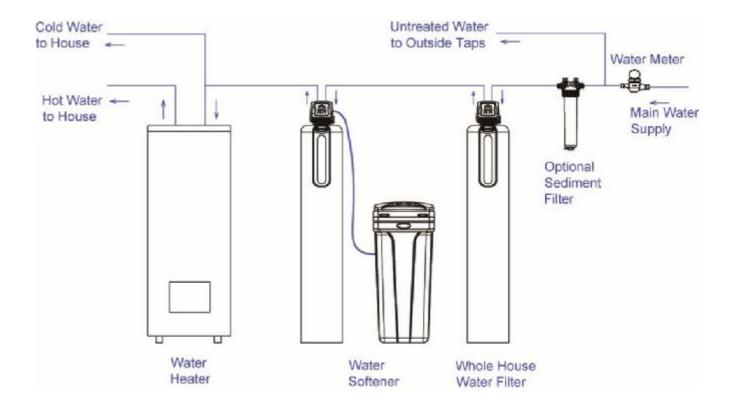
- Pliers
- Screwdriver
- Teflon tape
- Razor knife
- Two adjustable wrenches
- Additional tools may be required if modification to home plumbing is required.
- Plastic inlet and outlet fittings are included with the softener. To maintain full valve flow, 3/4" or 1" pipes to and from the softener fittings are recommended. You should maintain the same, or larger, pipe size as the water supply pipe, up to the softener 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 let you turn off water to the softener for repairs if needed, but still have water in the house pipes.
- 5/8" OD drain line is needed for the valve drain. A 10" length of hose is included. with some models.
  - A length of 5/8" OD drain line tubing is needed for the brine tank over flow fitting (optional).
  - Nugget or pellet water softener salt is needed to fill the cabinet or brine tank.

These softeners conform to NSF/ANSI 44 for the specific performance claims as verified and substantiated by test data. These models are efficiency rated. The efficiency rating is valid only at the stated salt dose and maximum service flow rate. They have a demand initiated regeneration (D.I.R.) feature that complies with specific performance specifications intended to minimize the amount of regenerant brine and water used in their operation. These softeners have a rated softener efficiency of not less than 3350 grains of total hardness exchange per pound of salt (based on sodium chloride) and shall not deliver more salt than their listed ratings. The rated salt efficiency is measured by laboratory tests described in NSF/ANSI Standard 44. These tests represent the maximum possible efficiency that the systems can achieve. Operational efficiency is the actual efficiency after the system has been installed. It is typically less than the efficiency due to individual application factors including water hardness, water usage, and other contaminants that reduce the softener's capacity. These systems are not intended for use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system. For best results, use plain, white block salt. Refer to Installation/operation manual and warranty for further details on installation, parts and service, maintenance and further restrictions or limitations to the use of the product.

### Where To Install The Softener

- Place the softener as close as possible to the pressure tank (well system) or water meter (city water).
- Place the softener as close as possible to a •
  floor drain, or other acceptable drain point
  (laundry tub, sump, standpipe, etc.).
- Connect the softener to the main water supply pipe BEFORE the water heater. DO NOT RUN HOT WATER THROUGH THE SOFTENER. Temperature of water passing through the softener must be less than • 100 deg. F.
- Keep outside faucets on hard water to save soft water and salt.
- Do not install the softener in a place where it could freeze. Damage caused by freezing is not covered by the warranty.
- Put the softener 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 softener. 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 softener, installation plumbing, wiring, etc., are as well protected from the elements, contamination, vandalism, etc., as when installed indoors.
- Keep the softener out of direct sunlight. The sun's heat may soften and distort plastic parts.



### Installation Instructions

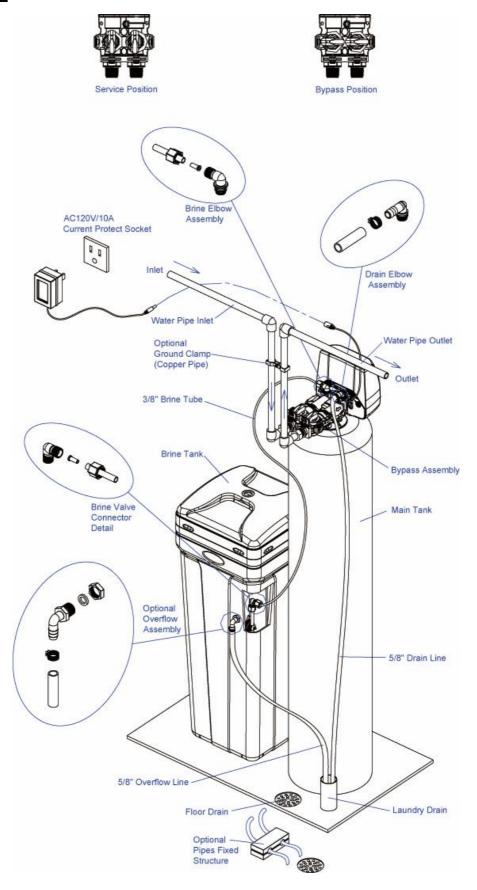
- 1. If your hot water tank is electric, turn off the power to it to avoid damage to the element in the tank.
- 2. If you have a private well, turn the power off to the pump and then shut off the main water shut off valve. If you have municipal water, simply shut off the main valve. Go to the faucet, (preferably on the lowest floor of the house) turn on the cold water until all pressure is relieved and the flow of water stops.
- 3. Locate the softener tank and brine tank close to a drain where the system will be installed. The surface should be clean and level.
- 4. Connect the inlet and outlet of the softener using appropriate fittings. Perform all plumbing according to local plumbing codes.
  - Use a ½" minimum pipe or tubing size for the drain line
  - ON COPPER PLUMBING SYSTEMS BE SURE TO INSTALL A GROUNDING WIRE BETWEEN THE INLET AND OUTLET PIPING TO MAINTAIN GROUND-ING.

Any solder joints near the valve must be done before connecting any piping to the valve. Always leave at least 6" (152 mm) between the valve and joints when soldering pipes that are connected to the valve. Failure to do this could cause damage to the valve.

- 5. Connect the drain hose (10 ft included) to the valve and secure it with a hose clamp (also included). Run the drain hose to the nearest laundry tub or drain pipe. This can be ran up overhead or down along the floor. If running the drain line more than 20 ft overhead, it is recommended to increase the hose size to 3/4". NEVER MAKE A DIRECT CONNECTION INTO A WASTE DRAIN. A PHYSICAL AIR GAP OF AT LEAST 1.5" SHOULD BE USED TO AVOID BACTERIA AND WASTEWATER TRAVELLING BACK THROUGH THE DRAIN LINE INTO THE SOFTENER.
- 6. Using the Allen Key (included), place the unit in the bypass position. Slowly turn on the main water supply. At the nearest cold treated water tap nearby remove the faucet screen, open the faucet and let water run a few minutes or until the system is free of any air or foreign material resulting from the plumbing work.
- 7. Make sure there are no leaks in the plumbing system before proceeding. Close the water tap when water runs clean.
- 8. Open the brine tank / cabinet salt lid and add water until there is approximately 3" (75 mm) of water in the tank. Do not add salt to the brine tank at this time.
- 9. Proceed to start up instructions.

Note: The unit is not ready for service until you complete the start-up instructions.

### **Installation**



### System Start-Up

### **Key Pad Configuration**

SETTINGS This function is to enter the basic set up infor-

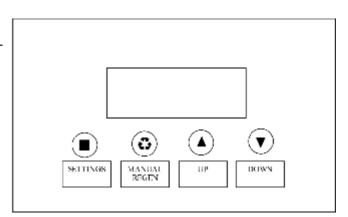
mation required at the time of installation.

MANUAL This function is to initiate an immediate or

**REGEN** delayed manual regeneration.

DOWN / Increase or decrease the value of the settings

UP while in the programming mode.



### Manual Regeneration (Step / Cycle Valve)

### **DELAYED REGENERATION**

Press and release the MANUAL REGEN. Button to set a delayed regeneration that will occur at the regeneration time. The main display page will show DELAYED REGEN ON. To cancel press and release the MANUAL RE-GEN. Button. The main display page will show DELAYED REGEN OFF.

# **IMMEDIATE REGENERATION**

To start an immediate regeneration (or step valve through each position), press and hold the MANUAL REGEN. Button for 3 seconds (until beeps). The valve will start an immediate regeneration. Press any key to skip to the next cycle.

### Start-up Instructions

- 1. Plug the power transformer into an approved power source. Connect the power 5. Press any button to advance to the RINSE cord to the valve.
- 2. When power is supplied to the control, the screen will display "INITIALIZING WAIT PLEASE" while it finds the service position.
- 3. Manually step the valve past the BRINE position to the BACKWASH position. screen is locked, press SETTINGS for 3 seconds to unlock. Press and hold the MANUL REGEN. Key for 3 seconds. Press any key to skip the BRINE cycle.
- 4. Once in the BACKWASH cycle, open the inlet on the bypass valve slowly and allow water to enter the unit. Allow all air to escape from the unit before turning the water on fully then allow water to run to drain for 3-4 minutes or until all media 8. Add salt into the cabinet / brine tank. fines are washed out of the softener indi- 9. Program unit.

- cated by clear water in the drain hose.
- position. Check the drain line flow. Allow the water to run for 3-4 minutes or until the water is clear.
- 6. Press any button to advance to the REFILL position. Check that the valve is filling water into the brine tank. Allow the valve to refill for the full amount of time as displayed on the screen to insure a proper brine solution for the next regeneration.
- 7. The valve will automatically advance to the SERVICE position. Open the outlet valve on the bypass, then open the nearest treated water faucet and allow the water to run until clear, close the tap and replace the faucet screen.

### **Programming Instructions**

### Settings octungs Jetungs Jetungs Jetungs Jetungs Jetungs Jetungs Jetungs Jetungs octungs Jetungs Jetungs Jetungs Jetungs **Jetungs** Jetungs Jetungs octungs Jetungs Jetungs Jetungs Jetungs Jetungs Jetungs octungs Jetungs Jetungs Jetungs Jetungs **Je tulig**s Jetungs **Jetungs**

### TIME OF DAY, YEAR, For SIM units choose IRON & MONTH, DAY,

Time of day is for normal operation of system and the WATER TYPE scheduling of the regenera- Select WELL / OTHER if any tem regenerated.

### **SET HARDNESS**

This value is the maximum **REGENTIME** compensated water hardness This setting determines the raw water supply. It is used scheduled regeneration. to calculate the system capacity. If Ferrous Iron is pre- REGEN DAYS sent add 4 gpg for every 1 This value is the number of ppm of Ferrous Iron.

### **SET PEOPLE**

This value is the number of people living in the home. It GALLONS is used to calculate the Default value is OFF. Adjust daily use and the reserve ca-pacity. pacity of the system.

### SALT SETTING

choose in the MENU SET- Which ever occurs first. These settings will determine the salt dosage and capacity for the system.

MN.

tion time. The date is used Iron or Manganese is present in a diagnostic function to or if the water source is not track the last time the sys- clean (< 1NUT turbidity). The system will back wash every time.

in grains per gallon of the time of day to perform a

days between regenerations or back washes to clean the filters.

amount of water needed for the GALLONS to set the ca-This will cause the unit to regenerate either when the gallons remaining goes to zero or the days be-There are 3 settings to tween regeneration is zero.

### **About The System**

### Control Operation During A Power Failure

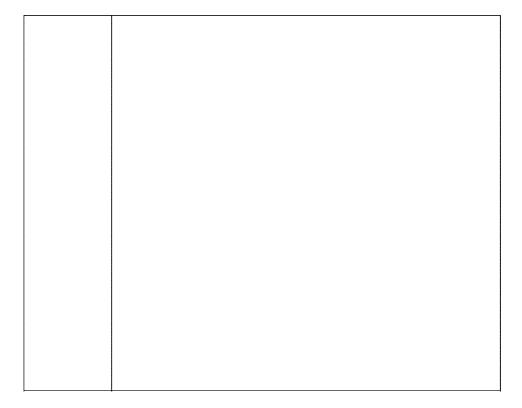
In the event of a power failure, the valve will keep track of the time and day for 48 hours. The programmed settings are stored in a non-volatile memory and will not be lost during a power failure. If power fails while the unit is in regeneration, the valve will finish regeneration from the point it is at once power is restored. If the valve misses a scheduled regeneration due to a power failure, it will queue a regeneration at the next regeneration time once power is restored.

### Safety Float

The brine tank is equipped with a safety float which prevents your brine tank from overfilling as a result of a malfunction such as a power failure.

### **Main Display**

The main display page will pause on the Date and Time page for 5 seconds. Then it will continually scroll through all of the system diagnostic display pages. Depending on the Valve Type some pages will not be displayed. To manually scroll through the diagnostics, press the down or up key. To reset the TOTAL REGENS, TOTAL GALLONS OVER RUN TOTAL, or PEAK flow rates, press and hold the MENU until the value changes to zero.

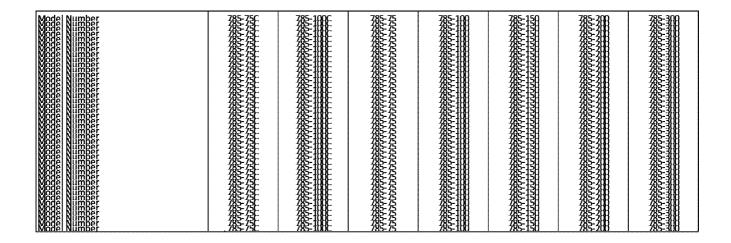


### **New Sounds**

You may notice new sounds as your water softener operates. The regeneration cycle lasts up to 180 minutes. During this time, you may hear water running intermittently to the drain.

### **Regeneration Process**

When the system capacity is near exhausted, a regeneration is necessary to restore the system to full capacity. The table below explains the regeneration steps.



### **Automatic Hard Water Bypass During Regeneration**

The regeneration cycle can last 30 to 180 minutes, after which soft water service will be restored. During regeneration, hard water is automatically bypassed for use in the household. Hot water should be used as little as possible during this time to prevent hard water from filling the water heater. This is why automatic regeneration is set for sometime during the night and manual regenerations should be performed when little or no water will be used in the household.

Normal regeneration time is 2:00 AM.

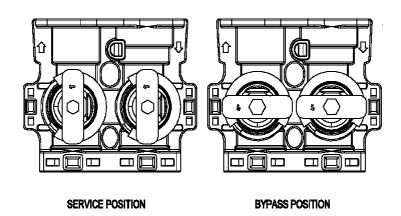
### **System Configuration**

785 DOWNFLOW System Configuration					
Tank Size (Diameter)	Injector Set	Brine Line Flow Control (BLFC)	Drain Line Flow Control (DLFC)		
8"			#1 (1.5 GPM)		
9"	#1 White		#2 (2.0GPM)		
10"		0.7 GPM	#3 (2.4 GPM)		
12"	#2 Blue	U.7 GPIVI	#5 (3.5 GPM)		
13"	#2 Blue		#A (5.0 GPM)		
14"	#3 Yellow		#A (5.0 GPM)		

### **Manual Bypass**

In the case of emergency, such as an overflowing brine tank, you can isolate your water softener from the water supply using the bypass valve located at the back of the control. In normal operation the bypass is open with the on/off knobs in line with the inlet and outlet pipes.

To isolate the softener, simply rotate the knobs clockwise (as indicated by the word BYPASS and arrow) until they lock. You can use your water related fixtures and appliances as the water supply is bypassing the softener. However, the water you use will be hard. To resume soft water service, open bypass valve by rotating the knobs counterclockwise.



### **Maintenance**

### **Adding Salt**

Use only crystal water softener salt. Check the salt level monthly. It is important to maintain the salt level above the water level. To add salt, simply lift the salt lid and add the salt directly into the brine tank. Be sure the brine well cover is on and fill only to the height of the brine well.

### **Bridging**

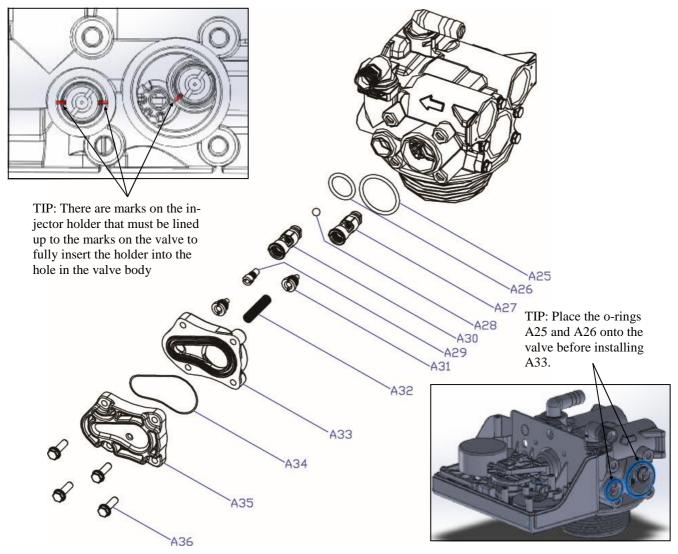
Humidity or wrong type of salt may create a cavity between the water and the salt. This action, known as "bridging", prevents the brine solution from being made, leading to your water supply being hard.

If you suspect salt bridging, carefully pound on the outside of the brine tank or pour some warm water over the salt to break up the bridge. This should always be followed up by allowing the unit to use up any remaining salt and then thoroughly cleaning out the brine tank. Allow two hours to produce a brine solution, then manually regenerate the softener.

### Cleaning or Replacing Injectors

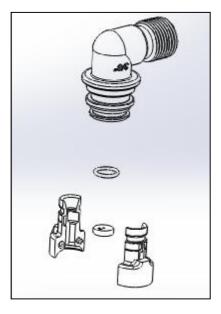
Sediment, salt and silt will restrict or clog the injector. A clean water supply and pure salt will prevent this from happening.

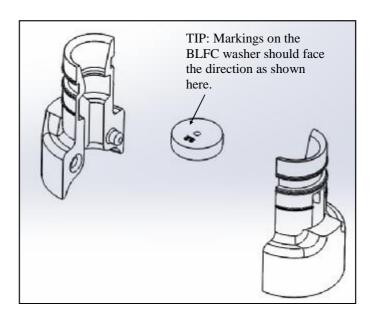
The injector assembly is located on the right side of the control valve. This assembly is easy to clean.



- 1. Shut off the water supply to your softener and reduce the pressure by opening a cold soft water faucet.
- 2. Using a screwdriver, remove the four screws holding the injector cover to the control valve body.
- 3. Carefully remove the assembly and disassemble as shown in above figure.
- 4. The injector orifice is removed from the valve body by carefully turning it out with a large screwdriver. Remove the injector throat the same way.
- 5. Carefully flush all parts including the screen. Use a mild acid such as vinegar or Pro-Rust Out to clean the small holes in the orifice and throat.
- 6. Reassemble using the reverse procedure.

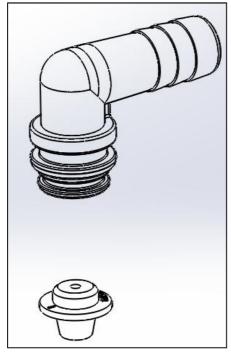
### Replacing Brine Line Flow Control (BLFC)

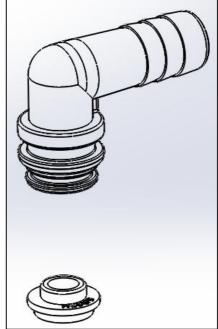




- 1. Remove the red clip that secures the brine elbow.
- 2. Remove the BLFC holder from the elbow fitting.
- 3. Split the BLFC holder apart and remove the flow washer.
- 4. Reassemble using the reverse procedure.

### Replacing Drain Line Flow Control (DLFC)





- 1. Remove the red clip that secures the drain line elbow.
- 2. Remove the BLFC washer from the elbow fitting.
- 3. Reassemble using the reverse procedure.

### Care of Your System

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

### **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).



### Sanitizing Procedure

Care is taken at the factory to keep your water softener clean and sanitary. Materials used to make the softener will not infect or contaminate your water supply, and will not cause bacteria to form or grow. However, during shipping, storage, installing and operating, bacteria could get into the softener. For this reason, sanitizing as follows is suggested when installing.

### Sani-System Liquid Sanitizer Concentrate



Item# 80030021—Softener Sanitizer 0.25 fl.oz (24 Pack)

- 1. Be sure to complete all installation steps, including programming.
- 2. For effective and complete sanitization, Sani-System Liquid Sanitizer Concentrate is recommended. Pour one 0.25 fl. Oz. package into the brine well located in the cabinet or brine tank. (Alternative use 3/4 oz of common 5.25% household bleach)
- 3. Start an immediate regeneration. (See page 11)
- 4. The Softener Sanitizer Solution is drawn into and through the water softener to sanitize it. This sanitizing regeneration is over in about two hours. Then, **soft water** is available for your use.

NOTE: Sanitizing is recommended by the Water Quality Association for disinfecting. On some water supplies, they suggest periodic sanitizing.

# Brine Tank & Res-Up Feeder Assembly

**Step 1** Install salt plate and align brine well opening with the tank handle.



Step 2
Install feeder bracket into the 2 pre-drilled holes.



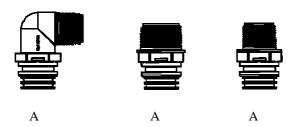
**Step 3**Install brine well. Feed wick from feeder into the opening in the brine well cap.

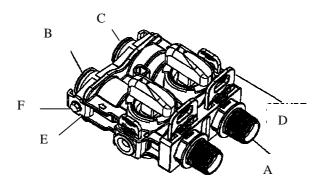


Step 4
Push feeder into brine well cap as shown to complete the assembly.



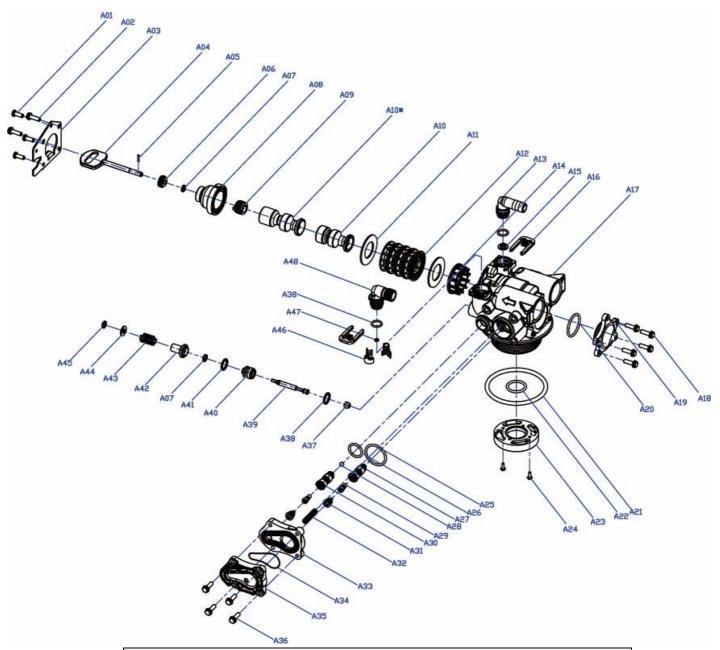
# Main Repair Parts - Connectors





Replacement Part Number	Part Description	DWG #	Quantity
60010020	3/4" NPT ELBOW	Α	2
60010019	1" NPT STRAIGHT	А	2
60010023	3/4" NPT STRAIGHT	Α	2
60010079	VALVE COUPLING INLET	В	1
60010101	VALVE COUPLING OUTLET (METER SIDE)	С	1
60010025	PLASTIC SECURE CLIP	D	2
60010046	BYPASS SS CLIP	E	2
60010047	BYPASS SS SCREW	F	2

# **Control Valve Exploded View**

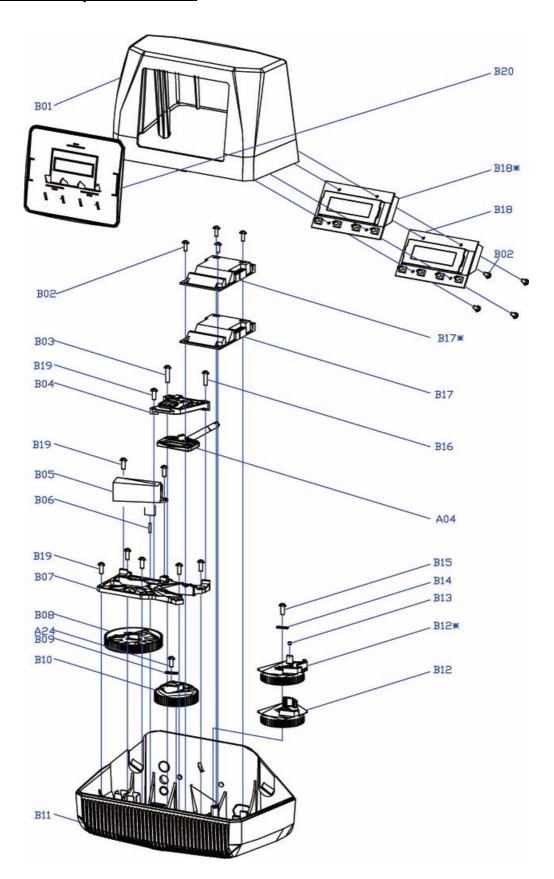


VALVE REPAIR PARTS LIST					
Replacement Part Number	Part Description	Replacement Part Number	Part Description		
60010127	INJECTOR SET #0000 BLACK	60010129	85HE UPFLOW PISTON ASSEMBLY		
60010126	INJECTTOR SET #000 GREY	60010171	85HE DOWNFLOW PISTON ASSEMBLY		
60010035	INJECTOR SET #00 VIOLET	60010130	85HE SEAL & SPACER KIT		
60010034	INJECTOR SET #0 RED	60010131	85HE DLFC #1 1.5 GPM		
60010033	INJECTOR SET #1 WHITE	60010132	85HE DLFC #2 2.0 GPM		
60010032	INJECTOR SET #2 BLUE	60010133	85HE DLFC #3 2.4 GPM		
60010031	INJECTOR SET #3 YELLOW	60010135	85HE DLFC #5 3.5 GPM		
60010128	BLFC 0.2 GPM	60010136	85HE DLFC #A 5.0 GPM		
60010110	BLFC 0.3 GPM	60010137	85HE DLFC #B 7.0 GPM		
60010082	BLFC 0.7 GPM	60010138	85HE DLFC #C 10.0 GPM		

### **Control Valve Parts List**

Replacement	MFG Part Number	Part Description	DWG #	Quantity
Part Number	5056087	Screw-M5x12(Hexagon)	A01	3
	5056088	Screw-M5x16(Hexagon With Washer)	A02	2
	5056047	End Plug Retainer	A03	1
	5031016	BNT85HE Piston Rod	A04	1
	5056097	Piston Pin	A05	1
	5031015	BNT85HE Quad Ring Plug Cover	A06	1
	5056070	Quad Ring	A07	2
	5031011	BNT85HE End Plug	A08	1
	5031014	BNT85HE Piston Retainer	A09	1
	5057001	BNT85HE Piston(Electrical Downflow)	A10	1
	5056073	Seal	A11	5
	5056021	Spacer	A12	4
	5010082	Drain Fitting-B	A13	1
+	5031005	BNT85HE Spacer	A14	1
+	5056186	DLFC-2#	A15	1
	5056172	Secure Clip-s	A16	2
	5031002	BNT85HE Valve Body	A17	1
	5056508	Screw-M5x12(Hexagon With Washer)	A18	5
	5030004	BNT85 End Cover	A19	1
	5030004	O-Ring-¢30×2.65	A20	1
	5056063	O-Ring-¢30-2.65 O-Ring-¢78.74×5.33	A21	1
	26010103	O-Ring-¢25×3.55	A22	1
	7060007	Valve Bottom Connector	A23	1
	13000426	Screw-ST2.9X13(Large Washer)	A24	2
	5031022	O-Ring-¢32×3	A25	1
	5031021	O-Ring-¢18×3	A26	1
	5031013	Injector Plug Body	A27	1
	30110007	Plastic Ball ¢6	A28	1
	30040089	Injector Throat	A29	2
	5031012	BNT85HE Injector Fixed Sleeve	A30	1
	30040090	Injector Nozzle	A31	2
-	5056103	Injector Nozzle	A32	1
	5031003	BNT85HE Injector Cover Body	A33	1
	5031018	O-Ring-¢40×2.65	A34	1
	5031004	BNT85HE Injector Cover Cap	A35	1
	5031027	Screw-M5x25(Hexagon With Washer)	A36	4
	5056075	Seal Mat	A37	1
	5056134	O-Ring-¢12×2	A38	3
	5056054	Injector Stem	A39	- 1
	5056031	Injector Spacer	A40	1
	5056081	O-Ring-¢12.5×1.8	A41	1
	5056030	Injector Cap	A42	1
	5056093	Injector Cap	A43	1
	5010049	Special Washer	A44	1
	5056105	Retaining Ring	A45	1
-	5031010	BNT85HE BLFC Fixed Sleeve	A46	2
+	5056076	BLFC-2#	A47	1
	5005629	Injector Fitting(3/8".Elbow)	A48	1

## **Power Head Exploded View**



### **Power Head Parts List**

Model Number Model Number Model Number		發發	<b>猴:100</b> 6	雅妄	※1111	雅翔	發細	<b>785-311</b>
Replacement Part Number	eplacement MEG Part Number		Part Des	scription			DWG #	Quantity
	505	6084	Screw-ST3.5X13			B01	10	
	501	0037	Screw-ST	2.9X10			B02	9
	1300	00416	Screw-ST	3.5X25			B03	1
	503	1007	BNT85HE	Piston Roo	d Guide Plate		B04	1
	505	6510	Motor-12	v/2rpm			B05	1
	503	0014	Motor Po	wer Cable				-1
	1170	00005	Wire Con	nector				2
	505	6098	Motor Pin	fi			B06	1
	503	1006	BNT85HE	Mounting I	Plate		B07	1
	503	0009	BNT85 D	rive Gear			B08	1
	1300	00426	Screw-ST	2.9X13(Lar	ge Washer)		A24	2
	505	6139	Washer-3	3x13			B09	1
	503	0007	BNT85 M	BNT85 Main Gear BNT185 Housing BNT85HE Brine Gear(Downflow)		B10	1	
	503	0005	BNT185 I			B11	1	
	503	1017	BNT85HE			B12	1	
	501	0023	Magnet(3×2.7)			B13	1	
	505	6141	Washer-4x12 Screw-ST4.2X12(Large Washer) BNT85HE Piston Rod Screw-ST3.5X16			B14	1	
	505	6166				B15	1	
	503	1016				A04	1	
	501	0036				B16	1	
	503	1026	BNT85HE	BNT85HE Main Pcb(Downflow)			B17	1
	501	0031	Meter Ass	sembly				1
5010046		0046	Meter Strain Rlief				1	
	5010029 5010035 19010105 5031024		Power Cable				1	
			Power Strain Rlief			1		
			Wire Rop	e-3×100				2
			BNT85HE	Display(Do	ownflow)		B18	1
	503	0021	BNT85 W	/iring Harne	SS			1
	503	0003	BNT85 C	over			B19	1

	Trouble Shooting				
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### Warranty

Canature WaterGroup warrants that your new water conditioner is built of quality material and workmanship. When properly installed and maintained, it will give years of trouble free service.

### **Seven Year Complete Parts Guarantee**

Canature WaterGroup will replace any part which fails within 84 months from date of manufacture, as indicated by the serial number, provided the failure is due to a defect in material or workmanship. The only exception shall be when proof of purchase or installation is provided and then the warranty period shall be from the date thereof.

### Life Time Warranty on Mineral Tanks and Brine Tanks

Canature WaterGroup will provide a replacement mineral tank or brine tank to any original equipment purchaser in possession of a tank that fails provided that the water conditioner is at all times operated in accordance with specifications and not subject to freezing.

### **General Conditions**

Damage to any part of this water conditioner or filter as a result of misuse, misapplication, neglect, alteration, accident, installation or operation contrary to our printed instructions, damage to ion exchange resin and seals caused by chlorine / chloramines in the water supply, or damage caused by any force of nature is not covered in this warranty. We will repair or replace defective parts if our warranty department determines it to be defective under the terms of this warranty. Canature assumes no responsibility for consequential damage, la