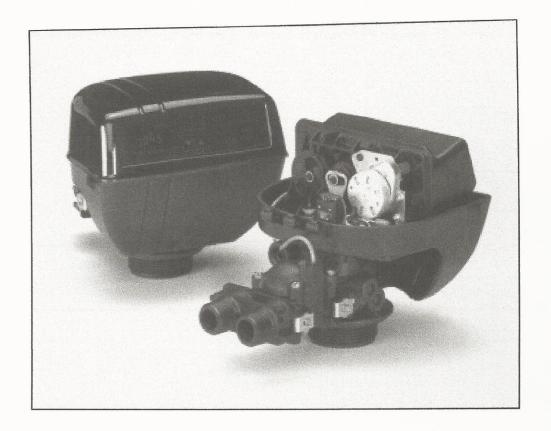
MODEL 6700

Downflow Brining
Service Manual



Job Specification Sheet

Job Number			
Model Number			
Water Test			
Capacity Of Unit	Max	Per Regeneration	
Mineral Tank Size: Diameter	Height	na mais ann lann lann lann lann air-an-air (gain mars	
Under Bedding	Amount		
Type of Media	Cubic Feet		
Brine Tank Size			
Salt Setting Per Regeneration			
Valve Programming			
Water Hardness	and the same		
System Capacity			
Regeneration Time			
Regeneration Cycle Step #1			
Regeneration Cycle Step #2			
Regeneration Cycle Step #3			
Regeneration Cycle Step #4			
Regeneration Cycle Step #5			
Notes:			
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Page 2	1	-	

Printed in U.S.A.

General Residential Installation Check List

WATER PRESSURE: A minimum of 25 pounds of water pressure is required for regeneration valve to operate effectively.

ELECTRICAL FACILITIES: An uninterrupted alternating current (A/C) supply is required. 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 line and/or iron should be replaced. If piping is clogged with iron, a separate iron filter unit should be installed ahead of the water softener.

LOCATION OF SOFTENER AND DRAIN: The softener should be located close to a clean working drain and connected according to local plumbing codes.

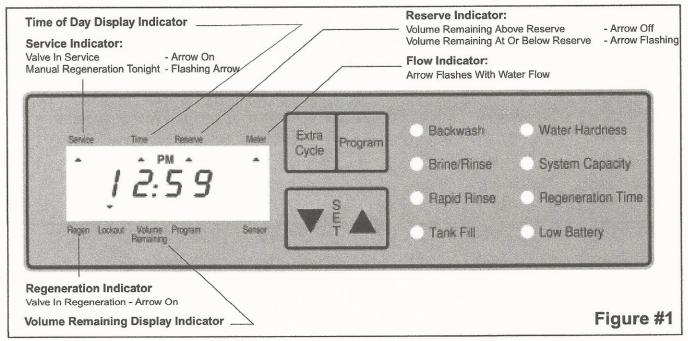
BY-PASS VALVES: Always provide for the installation of a by-pass valve if unit is not equipped with one.

CAUTION: Water pressure is not to exceed 120 p.s.i., water temperature is not to exceed 110°F, and the unit cannot be subjected to freezing conditions.

Installation and Start-up Procedures

- 1. Place the softener tank where you want to install the unit, making sure the tanks are level and on a firm base.
- 2. During cold weather it is recommended that the installer warm the valve up to room temperature before operating.
- 3. All plumbing should be done in accordance with local plumbing codes. The pipe size for the drain should be a minimum of 1/2". Backwash flow rates in excess of 7 gpm or length in excess of 20' require 3/4" drain line.
- 4. The 1" distributor tube (1.050 O.D.) should be cut flush with top of each tank. Note: Only use silicone lubricant.
- 5. Lubricate the distributor O-ring seal and tank O-ring seal. Place the main control valve on tank.
- Solder joints near the drain must be done prior to connecting the Drain Line Flow Control fitting (DLFC). Leave at least 6" between the DLFC and solder joints when soldering pipes that are connected on the DLFC. Failure to do this could cause interior damage to DLFC.
- 7. Teflon tape is the only sealant to be used on the drain fitting.
- 8. Make sure that the floor is clean beneath the salt storage tank and that it is level.
- 9. Place approximately 1" of water above the grid plate. If a grid is not utilized, fill to the top of the air check in the salt tank. Do not add salt to the brine tank at this time.
- 10. On units with a by-pass, place in by-pass position. Turn on the main water supply. Open a cold soft water tap nearby and let run a few minutes or until the system is free from foreign material (usually solder) that may have resulted from the installation. Once clean, close the water tap.
- 11. Place the by-pass in service position and let water flow into the mineral tank. When water flow stops, slowly open a cold water tap nearby and let run until the air is purged from the unit.
- 12. Plug the valve into an approved power source. Once the valve is powered it will drive to the Service Position.

Installation and Start-up Procedures (Cont'd.)



13. Once the valve has reached Service position normal operation is resumed. In normal operation the Time Of Day, and if flow meter equipped, Volume Remaining Displays alternate being viewed. Set the Time Of Day Display by depressing the Up or Down Set Button, to the correct time. (See Fig. 1) Note: Time Of Day must be set correctly to either A.M. or P.M.

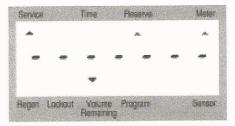
For Example: 12:59 A.M. (Valve in Service)



14. Flow Meter Equipped Valve Only: The Volume Remaining Display is the volume of water (in gallons) remaining prior to regeneration, including any reserve capacity. Without any water usage the Meter Arrow should be either off or on but not changing. Open a soft water tap. The Meter Arrow should begin flashing at a rate that varies with flow rate. Close the tap after 3 - 5 gallons of water flow.



For Example: 833 Gallons Of Water Remaining (Valve in Service)



For Example:

0 Gallons Of Water Remaining
(Valve in Service)
(Water flowing, Meter Arrow flashing)
(Volume is below reserve capacity)
(Reserve Arrow flashing)

Installation and Start-up Procedures (Cont'd.)

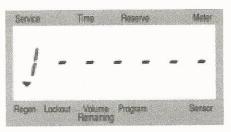
- 15. Manually initiate a regeneration cycle and allow water to run to drain for 3 to 4 minutes. Next, manually step the valve through a regeneration cycle checking valve operation in each step.
 - A. Initiating Regeneration (Depending on the timer regeneration type you have one or two (2) Options):
 - Press and Release the Extra Cycle Button. With Immediate Regeneration Timers the control will go into regeneration immediately. With Delayed Regeneration Timers the Service Arrow will begin to flash immediately and a regeneration will occur at the preset regeneration time (i.e. 2:00 a.m.)
 - 2. Press and Hold for 5 seconds the Extra Cycle Button. The control will go into regeneration immediately.
 - B. Control Operation During Regeneration:
 - 1. During regeneration the control will display the regeneration step number the valve is advancing to, or has reached, and the time remaining in that step.

For Example:

(Valve is advancing to Regeneration Step #1)

(#1 flashing)

(Regeneration arrow on)

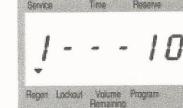




2. When the first cycle step is reached, a red LED will turn on to indicate the current regeneration cycle step.

For Example:

(Regeneration Step #1 has been reached) (10.0 minutes remain in Step #1)



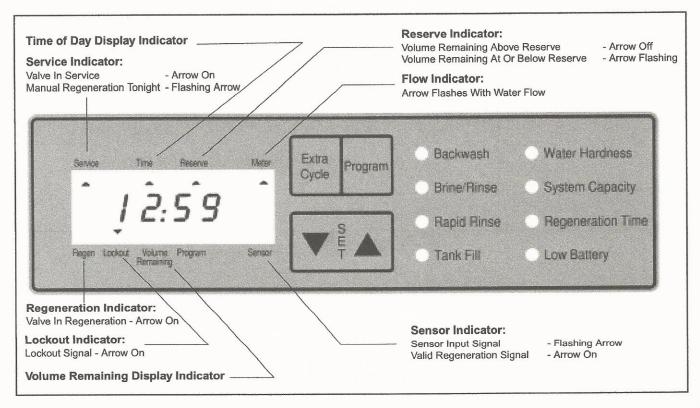


Pushing the Extra Cycle Button during a regeneration step will immediately advance the valve to the next regeneration step position.

Corpora

- 4. Pushing the Up or Down Set Button during a regeneration step will adjust the time remaining in that current regeneration step. Programmed Regeneration Steps will not be changed.
- 5. Once all regeneration cycle steps have been completed the valve will return to service and resume normal operation.
- 16. Add water to the brine tank to the top of the air check. Manually step the valve to the Brine Draw position (see Step #14) and allow the valve to draw water from the brine tank until it stops. Note: The air check will check at approximately the midpoint of the screened intake area.
- 17. Manually step the valve to the brine refill position and allow the valve to return to service automatically.
- 18. Make sure the brine refill time (salt dosage) is set as recommended by the manufacturer.
- 19. With the valve in service, check that there is about 1" of water above the grid in the brine tank, if used.
- 20. Fill the brine tank with salt.
- 21. A 9V Alkaline Battery is recommended to be installed at all times for proper valve operation. The control will indicate when the battery needs to be replaced by turning on the Low Battery LED.

Control Operation



Normal Control Operation

Flow Meter Equipped Delayed Regeneration Valves

In Normal Operation the Time Of Day Display will alternate being viewed with the Volume Remaining Display. Water flow through the unit is indicated by the Meter Arrow that will flash in a direct relationship to flow rate. As treated water is used, the Volume Remaining Display will count down from a maximum value to the calculated reserve capacity. Once this occurs, the Reserve Arrow will begin to flash as an indication that reserve capacity is being used. At the preset Regeneration Time a regeneration cycle will then be initiated immediately.

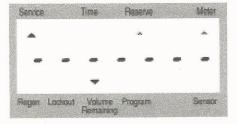
For Example: 235 Gallons Of Water Remaining

(Valve in Service) (No Water flow) (Volume is below reserve capacity)



For Example: 0 Gallons Of Water Remaining

(Valve in Service) (Water flowing, Meter Arrow flashing) (Volume is below reserve capacity)



Control Operation (Cont'd.)

Timeclock Regeneration Valves

In Normal Operation the Time Of Day Display will be viewed at all times. The control will operate normally until the days since the last regeneration reaches the preset number of days. Once this occurs, a regeneration cycle will then be initiated immediately at the preset Regeneration Time.

Flow Meter Equipped Immediate Regeneration Valves

In Normal Operation the Time Of Day Display will alternate being viewed with the Volume Remaining Display. Water flow through the unit is indicated by the Meter Arrow that will flash in a direct relationship to flow rate. As treated water is used, the Volume Remaining Display will count down from a maximum value to zero. Once this occurs a regeneration cycle will then be initiated immediately.

For Example: 525 Gallons Of Water Remaining

(Valve in Service) (Water flowing, Meter Arrow flashing)



Sensor Immediate Regeneration Valves

In Normal Operation the Time Of Day Display will be viewed at all times. The control will operate normally until a valid sensor input signal is received. Once this occurs, a regeneration cycle will then be initiated immediately. The Sensor Input Arrow will flash until the signal is determined to be valid.

Sensor Delayed Regeneration Valves

In Normal Operation the Time Of Day Display will be viewed at all times. The control will operate normally until a valid sensor input signal is received. Once this occurs, a regeneration cycle will then be initiated immediately at the preset Regeneration Time. The Sensor Input Arrow will flash until the signal is determined to be valid. Then the Reserve Arrow will begin to flash as an indication that reserve capacity is being used.

For Example: 12:58 P.M. With Invalid Sensor Signal

(Valve in Service) (Sensor Arrow flashing)



For Example: 12:59 P.M. With Invalid Sensor Signal (Valve in Service) (Sensor Arrow On) (Reserve Arrow flashing) (Delayed Regen.)



Immediate Regeneration Valves With Days Between Regeneration Override Set

When the valve reaches its set Days Since Regeneration Override value a regeneration cycle will be initiated immediately. This event occurs regardless of the Volume Remaining display having reached zero.

Delayed Regeneration Valves With Days Between Regeneration Override Set

When the valve reaches its set Days Since Regeneration Override value a regeneration cycle will be initiated at the preset Regeneration Time. This event occurs regardless of the Volume Remaining display having reached the calculated reserve capacity.

Control Operation (Cont'd.)

Control Operation During A Power Failure

During a power failure all control displays will be turned off and regeneration cycles delayed. The control will otherwise continue to operate normally until line power is restored or battery backup power is lost.

- 1. If battery backup power is never lost during a power outage, the control will continue to operate normally, without the loss of data, until line power is restored.
- 2. If battery backup power is lost during a power outage, the control will store the current Time Of Day, Volume Remaining, Regeneration Cycle Status, and various diagnostic displays. These stored displays will then be used upon line power restoration until updated ones are created. To indicate this type of failure, the control will flash the current Time Of Day Display to indicate that this display and the Volume Remaining Display may not be correct.

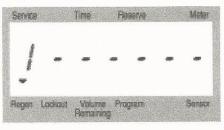
Control Operation During Regeneration

In regeneration the control will display what regeneration step number the valve is advancing to, or has reached, and the time remaining in that step. Once all regeneration cycle steps have been completed the valve will return to service and resume normal operation.

1. First the Regeneration Arrow turns on. Then the display below is viewed to indicate that the valve is advancing to the first regeneration cycle step.

For Example:

(Valve is advancing to Regeneration Step #1) (#1 flashing)

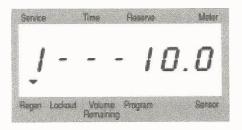




2. When the first cycle step is reached, the display becomes as shown below, A red LED will also turn on to indicate the current regeneration cycle step.

For Example:

(Regeneration Step #1 has been reached) (10.0 minutes remain in Step #1))





- 3. Pushing the Extra Cycle Button during a regeneration cycle will immediately advance the valve to the next cycle step position and resume normal step timing.
- 4. Pushing the Up or Down Set Button during a regeneration cycle will adjust the time remaining in a regeneration cycle step. Actual Regeneration Cycle Step programming will not be changed.

Control Operation (Cont'd.)

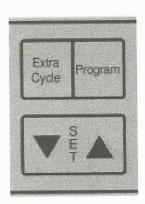
Control Operation During Programming

The control will only enter the Program Mode with the valve in Service and operating on line power. While in the Program Mode the control will continue to operate normally monitoring water usage and keeping all displays up to date. Control programming is stored in memory permanently with or without line or battery backup power.

Lockout Input Operation

The Lockout Arrow will turn on whenever a Lockout Signal is being received by the control. Any requests for regeneration will be delayed until this signal is removed. Regeneration will then proceed normally.

Keypad Operation



Extra Cycle Button

Pushing this button will initiate a regeneration cycle independently of actual valve conditions.

- 1. With immediate regeneration valves this extra regeneration would occur immediately.
- 2. With delayed regeneration valves this extra regeneration would occur at the set Regeneration Time. A regeneration cycle can be forced to occur immediately by pushing and holding in this button for 5 seconds.

Program Button

This button is used by the installer to program those settings indicated on the front panel by red LEDs.

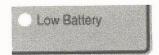
Up Set Button

This button is used to set the current time of day, adjust time remaining in a regeneration cycle step, and in valve programming. The Up Arrow Button will increment a display setting.

Down Set Button

This button is used to set the current time of day, adjust time remaining in a regeneration cycle step, and in valve programming. The Down Arrow Button will decrement a display setting.

Low Battery Indicator

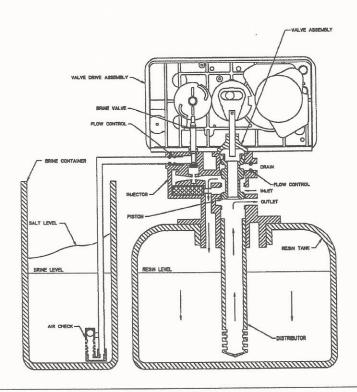


When the control is operating on line power this red LED will turn on whenever the **9V Alkaline Battery** (Not Included) used for memory backup needs to be replaced. The battery is stored inside the top cover. In the event of a power outage, the battery will maintain current operating data for approximately 24 hours at maximum battery capacity.

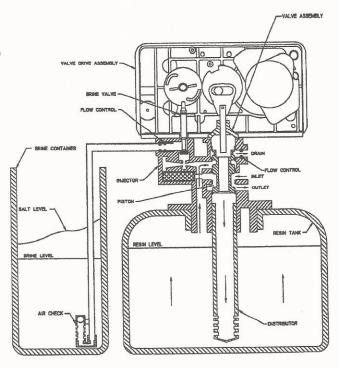
Water Conditioner Flow Diagrams (Downflow Brining)

Using Black Cycle Cam (Part No. 17438)

Service Position



Backwash
Position
(Regeneration Cycle Step

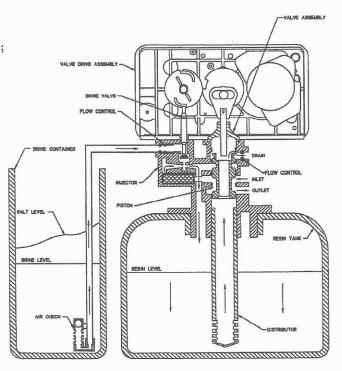


Water Conditioner Flow Diagrams (Downflow Brining)

Using Black Cycle Cam (Part No. 17438) (Cont'd.)

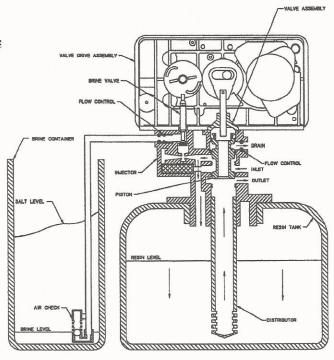
Brine/Slow Rinse Position

(Regeneration Cycle Step:



Rapid Rinse Position

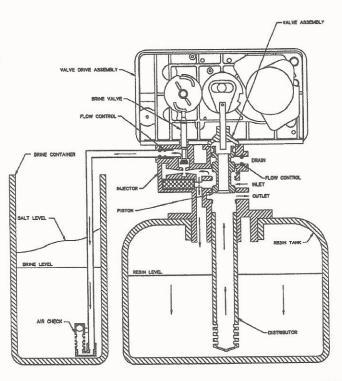
(Regeneration Cycle Step:



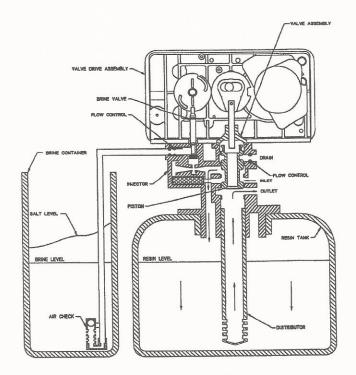
Water Conditioner Flow Diagrams (Downflow Brining)

Using Black Cycle Cam (Part No. 17438) (Cont'd.)

Brine Tank
Fill Position
(Regeneration Cycle Step

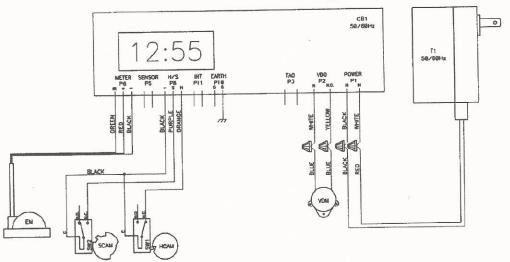


Service Position



Downflow Valve Wiring Diagram

Standard 6700 Wiring



CB1 - 6600/6700 CIRCUIT BOARD

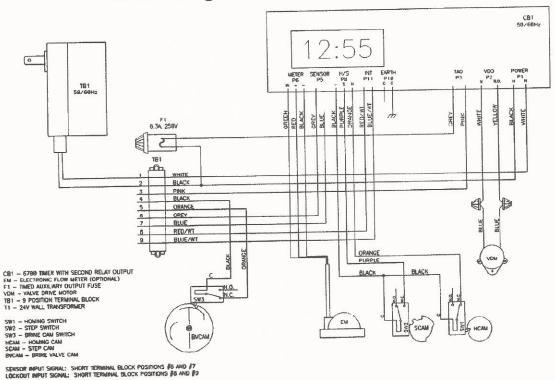
VDM - VALVE DRIVE MOTOR

EM - ELECTRONIC FLOW METER (OPTIONAL)

T1 - 24V WALL TRANSFORMER

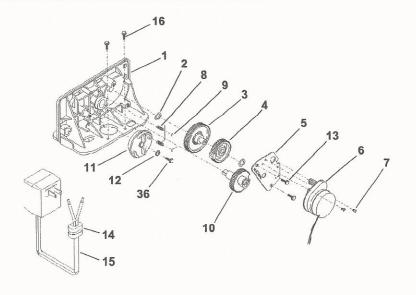
SW1 — HOMING SWITCH SW2 — STEP SWITCH HCAM — HOMING CAM SCAM — STEP CAM

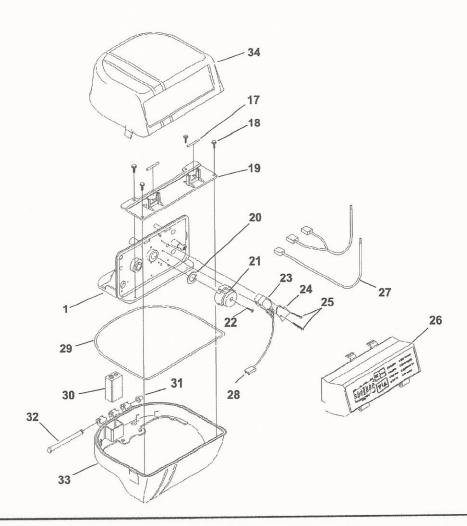
6700 Wiring With Terminal Block Option



Valve Powerhead

(See opposite page for parts list)





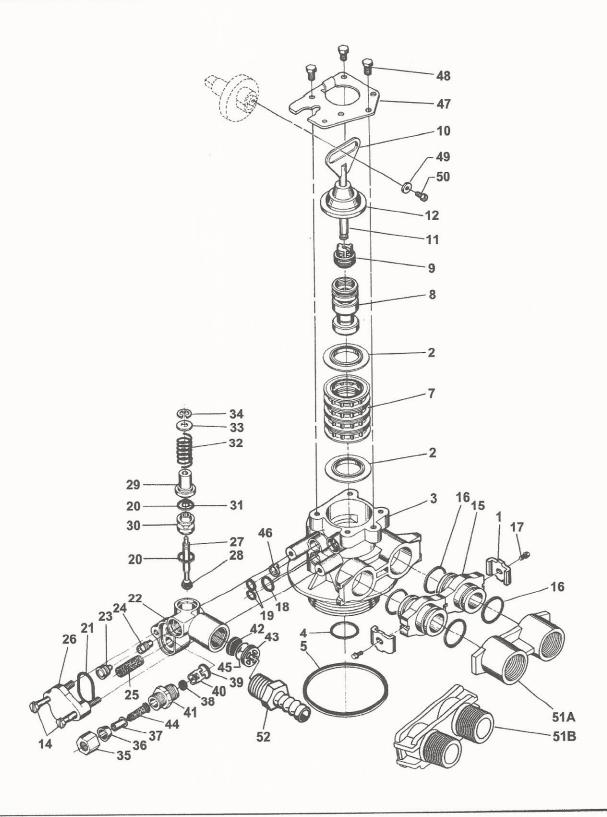
Valve Powerhead

Parts List

Item No.	Quantity	Part No.	Description
		14193-03	
		13299	
		13017	Part The Control of The Control of Control
		23045	
		13175	
			Drive Motor 2 RPM 24V 50/60 Hz
		11384	
		19080	
		13300	· · ·
		25005-10	2000 1200 CO-C 100 CO
10		20000 1011111111111111	(Downflow Brining - Black)
11	1	18722	
		12037	
		. 13296	
		. 13547	
			Transformer, U.S. 24V (120V)
			Transformer, European 24V (230V)
16	2	. 12473	
17	2	. 18754	Pin
18	4	. 17798	Screw, Mounting Plate
19	1	. 17844	Mounting Plate
20	1	. 19079	Friction Washer
21	1	. 17438	Cycle Cam (Downflow - Black)
22	1	. 15151	Screw, Cycle Cam
23	2	. 10218	Microswitch (Downflow - Black)
		. 10302	
		. 17876	
			. Circuit Board Housing Assembly
27	1	. 40042-01 & 40042-02	. Wire Harness, Power - Std / with Terminal Block Option
28	1	. 19119-01 & 40041-02	. Wire Harness, Low Voltage - Std / with Terminal Block Option
29	1	. 18615-01	. Seal
30	1		. 9V Alkaline Battery (Not Included)
31	1	. 18679	. Tapered Cap
32	1	. 17845	. Hinge Pin
33	1	. 17841-xx	. Bottom Cover (Specify Color)
			. Top Cover (Specify Color)
			. Wire Nut, Beige (Not Shown)
36	1	. 40214	. Screw

Control Valve Assembly - Downflow Brining

(See opposite page for parts list)

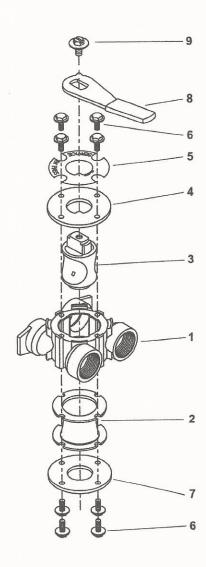


Control Valve Assembly - Downflow Brining

Parts List

** 1. 2	Item No.	Quantity	Part No.	Description
3	*1	2	13255	. Adapter Clip
1 14450. Valve Body Assembly - 13/16" Dist. 1 13304. O-Ring - Distributor Tube - 11 1 10244. O-Ring - Distributor Tube - 11 5 1 12281. O-Ring - Top of Tank 7 4 14241. Spacer 8 1 17218. Piston (Used with Black Cycle Cam) 9 2 14309. Piston Rod Retainer, HW (Hot Water) 10 1 13001-04 Piston Rod Retainer, HW (Hot Water) 10 1 13001-04 Piston Rod Retainer, HW (Hot Water) 11 1 1 14919. Piston Rod Resembly - Green 12 1 31446-40 End Plug Assembly - Green 14 2 13315. Screw - Injector Mounting 15 2 19228. Adapter Coupling 16 4 13305. O-Ring - Adapter Coupling 17 2 13314. Screw - Adapter Coupling 18 1 12638. O-Ring - D-Ring - Adapter Coupling 19 2 13301. O-Ring - Injector 20 2 13302. O-Ring - Injector 20 2 13302. O-Ring - Injector 21 1 13303. O-Ring - Injector Cover 12 1 1 13303. O-Ring - Injector Cover 12 1 1 13303. O-Ring - Injector Cover 12 1 1 13163. Injector Throat - Specify Size 14 1 10914. Injector Throat - Specify Size 15 1 10227. Injector Cover 26 1 13166. Injector Cover 27 1 13172. Brine Valve State 29 1 13165. Brine Valve Cap 30 1 13167. Brine Valve Spacer 31 1981-0 Retaining Ring 32 1 11973. Spring - Brine Valve 33 1 1981-0 Retaining Ring 34 1 1981-0 Retaining Ring 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10332. B.L.F.C. Fitting Nut 3/8" 38 1 1 1277. O-Ring - Brine Valve 44 1 13244. B.L.F.C. Fitting Nut 3/8" 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10332. B.L.F.C. Fitting Nut 3/8" 38 1 1 1277. O-Ring - B.L.F.C. 39 1 1277. O-Ring - B.L.F.C. 30 1 13244. B.L.F.C. Fitting Nut 3/8" 31 13244. B.L.F.C. Fitting Nut 3/8" 32 1 13348. O-Ring - B.L.F.C. 34 1 13940. Screw 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10332. B.L.F.C. Fitting Nut 3/8" 38 1 1 1277. O-Ring - B.L.F.C. 40 1 13244. B.L.F.C. Fitting Nut 3/8" 38 1 1 1277. O-Ring - B.L.F.C. 39 1 12977. O-Ring - B.L.F.C. 40 1 13346. End Plug Retainer 50 1 13246. B.L.F.C. Fitting Nut 3/8" 51 13368. O-R	2	5	13242	. Seal
4 1 13304. O-Ring - Distributor Tube - 1" 1 10244. O-Ring - Distributor Tube - 13/16" 5 1 12281. O-Ring - Top of Tank 7 4 14241. Spacer 8 1 17218. Piston (Used with Black Cycle Cam) 9 2 14309. Piston Rod Retainer 2 16590. Piston Rod Retainer, HW (Hot Water) 10 1 13001-04. Piston Rod Assembly 11 1 14919. Piston Rod Assembly 12 1 13446-40. End Plug Assembly - Green 14 2 13315. Screw - Injector Mounting 15 2 19228. Adapter Coupling 16 4 13305. O-Ring - Adapter Coupling 17 2 13314. Screw - Adapter Coupling 18 1 12638. O-Ring - Drain 19 2 13301. O-Ring - Injector 20 2 13302. O-Ring - Injector 21 1 1 3303. O-Ring - Injector 22 1 3163. Injector Nozzle - Specify Size 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	. , , <i>,</i> 1	14449	. Valve Body Assembly - 1 dist.
1 10244 O-Ring - Distributor Tube - 13/16" 7 4 14241 Spacer 8 1 17218 Piston (Used with Black Cycle Cam) 9 2 14309 Piston Rod Retainer 10 1 13001-04 Piston Rod Assembly 11 1 14919 Piston Rod Assembly 12 1 13446-40 End Plug Assembly - Green 14 2 13315 Screw - Injector Mounting 15 2 19228 Adapter Coupling 16 4 13305 O-Ring - Adapter Coupling 17 2 13314 Screw - Adapter Coupling 18 1 12638 O-Ring - Pirain 19 2 13301 O-Ring - Pirain 20 2 13302 O-Ring - Pirain 21 1 13303 O-Ring - Pirain 22 1 13163 Injector Cover 23 1 10914 Injector Body 24 1 <th></th> <td>1</td> <td> 14450</td> <td>. Valve Body Assembly - 13/16" Dist.</td>		1	14450	. Valve Body Assembly - 13/16" Dist.
5 1 12281 O-Ring Top of Tank 7 4 14241 Spacer 8 1 17218 Piston (Used with Black Cycle Cam) 9 2 14309 Piston Rod Retainer HW (Hot Water) 10 1 13001-04 Piston Rod Assembly Priston Rod Assembly 11 1 14919 Piston Rod Assembly - Green 12 1 13446-40 End Plug Assembly - Green 14 2 13315 Screw - Injector Mounting 15 2 19228 Adapter Coupling 16 4 13305 O-Ring - Higetor Mounting 17 2 13314 Screw - Injector Coupling 17 2 13301 O-Ring - Injector Coupling 18 1 12638 O-Ring - Injector Coupling 19 2 13301 O-Ring - Injector Coupling 20 2 13302 O-Ring - Injector Coupling 21 1 13303 O-Ring - Injector Coupling	4	1	13304	O-Ring - Distributor Tube - 1"
7		1	10244	O-Ring - Distributor Tube - 13/16
8 1 17218 Piston (Used with Black Cycle Cam) 9 2 14309 Piston Rod Retainer 2 16590 Piston Rod Retainer 10 1 13001-04 Piston Rod Retainer 11 1 14919 Piston Rod Retainer 12 1 13446-40 End Plug Assembly - Green 14 2 13315- Screw - Injector Mounting 15 2 19228 Adapter Coupling 16 4 13305 ORing - Adapter Coupling 17 2 13314 Screw - Adapter Coupling 18 1 12638 O-Ring - Drain 19 2 13301 O-Ring - Injector 20 2 133002 O-Ring - Brine Spacer 21 1 13303 O-Ring - Injector Cover 22 1 13163 Injector Body 23 1 10913 Injector Body 24 1 10914 Injector Throat - Specify Size 25 1 10227 Injector Cover 26 1 13166 Injector Cover 27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Stem 29 1 13165 Brine Valve Spacer 30 1 13167 Brine Valve Spacer 31 1 12650 Quad Ring 32 1 11973 Spring - Spacer 33 1 10332 B.L.F.C. Fitting Nut 3/8" 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10329 B.L.F.C. Fitting Nut 3/8" 37 1 10329 B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Fitting Nut 3/8" 39 1 12977 O-Ring - B.L.F.C. 40 1 1344 B.L.F.C. Fitting P.L.F.C. 41 13497 Air Dispenser 44 1 13244 B.L.F.C. Fitting P.L.F.C. 45 1 13368 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13497 Air Dispenser 48 3 12112 Screw 49 1 13568 Cover 51 13368 O-Ring - D.L.F.C. 52 1 13308 Voke, Plastic, 3/4" NPT 51B 1 18706 Voke, Plastic, 3/4" NPT 51B 1 18706 Voke, Plastic, 3/4" NPT 51B 1 18706 Voke, Plastic, 3/4" NPT	5	1	12281	. O-Ring - Top of Tank
9 2 14309 Piston Rod Retainer HW (Hot Water) 10 1 1 13001-04 Piston Rod Retainer, HW (Hot Water) 11 1 1 14919 Piston Rod Assembly 12 1 13446-40 End Plug Assembly - Green 14 2 13315 Screw - Injector Mounting 15 2 19228 Adapter Coupling 16 4 13305 O-Ring - Adapter Coupling 17 2 13314 Screw - Adapter Coupling 18 1 12638 O-Ring - Drain 19 2 13301 O-Ring - Injector 20 2 13302 O-Ring - Brine Spacer 21 1 13303 O-Ring - Injector Cover 22 1 1 13303 O-Ring - Injector Cover 23 1 10913 Injector Nozzle - Specify Size 24 1 10914 Injector Throat - Specify Size 25 1 10227 Injector Cover 26 1 13166 Injector Cover 27 1 13172 Brine Valve Seat 28 1 12626 Brine Valve Cap 29 1 13165 Brine Valve Cap 30 1 13167 Brine Valve Spacer 31 1 19813 Spring - Brine Valve Spacer 31 1 19813 Spring - Brine Valve Spacer 31 1 19550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 10988 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 BL.F.C. Fitting Nut 3/8" 36 1 10330 BL.F.C. Fitting Nut 3/8" 37 1 10332 B.L.F.C. Fitting Nut 3/8" 38 1 BL.F.C. Fitting Nut 3/8" 39 1 12977 O-Ring - BL.F.C. 41 13244 BL.F.C. Button - Specify Size 41 13244 BL.F.C. Fitting Nut 3/8" 44 1 13244 BL.F.C. Fitting Nut 3/8" 45 1 13349 BL.F.C. Fitting Nut 3/8" 46 1 13347 DL.F.C. Button - Specify Size 47 1 13468 C.R. Polling - Bl.F.C. 48 1 13473 DL.F.C. Button - Specify Size 49 1 13646 End Plug Retainer 40 1 13245 BL.F.C. Fitting Nut 3/8" 41 13344 BL.F.C. Button - Specify Size 41 13497 Air Dispenser 44 1 13244 BL.F.C. Button - Specify Size 45 1 13666 End Plug Retainer 46 1 13497 Air Dispenser 47 1 13646 End Plug Retainer 48 3 12112 Screw 49 1 13988 Over, Brines, 3/4" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 51B 1 18706 Yoke, Plastic, 3/4" NPT 52 1 130308 Drain Hose Barb	7	4	14241	. Spacer
2 16590. Piston Rod Retainer, HW (Hot Water) 10 1 13001-04 Piston Rod Assembly 11 1 1 4819. Piston Rod Assembly 12 1 13446-40. End Plug Assembly - Green 14 2 13315. Screw - Injector Mounting 15 2 1928. Adapter Coupling 16 4 13305. O-Ring - Adapter Coupling 17 2 13314. Screw - Adapter Coupling 18 1 12638. O-Ring - Drain 18 1 12638. O-Ring - Drain 19 2 13301. O-Ring - Injector 20 2 13302. O-Ring - Injector Cover 21 1 13303. O-Ring - Injector Cover 22 1 13163. Injector Rozzle - Specify Size 23 1 10913. Injector Throat - Specify Size 24 1 10914. Injector Throat - Specify Size 25 1 10227. Injector Cover 27 1 13172. Brine Valve Stem 28 1 12626. Brine Valve Seat 29 1 13165. Brine Valve Seat 30 1 13167. Brine Valve Spacer 30 1 13167. Brine Valve Spacer 31 1 12550. Quad Ring 32 1 11973. Spring - Brine Valve 33 1 1098. Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329. BL.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10332. B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Fitting Nut 3/8" 39 1 12977. O-Ring - BL.F.C. 40 1 13244. B.L.F.C. Fitting Nut 3/8" 41 1 13244. B.L.F.C. Fitting Nut 3/8" 41 1 13245. B.L.F.C. Fitting Nut 3/8" 42 1 13466. Fitch C. Button - Specify Size 44 1 13444. B.L.F.C. Fitting Nut 3/8" 45 1 13467. Screen 46 1 13447. Ar D.L.F.C. Button - Specify Size 46 1 13449. Ar D.L.F.C. Button - Specify Size 47 1 13638. O-Ring - B.L.F.C. 48 1 13778. Screen 49 1 13648. O-Ring - B.L.F.C. 50 1 13296. Screen 51A 1 3398. Nasher 50 1 13296. Screen 51A 1 3398. Nasher 51B 1 18706. Yoke, Plastic, 1"NPT 51B 1 18706. Yoke, Plastic, 1"NPT 51B 1 18706. Yoke, Plastic, 1"NPT 52 1 130308. Drain Hose Barb	8	1	1/218	Distan Pad Patainar
10	9	Z	14309	Pictor Pod Petainer HW (Hot Water)
11 1 14919 Piston Rod 12 1 13446-40 End Plug Assembly - Green 14 2 13315 Screw - Injector Mounting 145 2 13315 Screw - Injector Mounting *16 4 13305 O-Ring - Adapter Coupling *17 2 13314 Screw - Adapter Coupling *17 2 13314 Screw - Adapter Coupling 18 1 12638 O-Ring - Prain 19 2 13301 O-Ring - Injector 20 2 13302 O-Ring - Injector Cover 21 1 13303 O-Ring - Injector Cover 22 1 13163 Injector Nozzle - Specify Size 23 1 10913 Injector Nozzle - Specify Size 24 1 10914 Injector Throat - Specify Size 25 1 10227 Injector Nozzle - Specify Size 26 1 13166 Injector Nozzle - Specify Size 27 1 13172 <th>40</th> <td></td> <td>12001 04</td> <td>Pieton Rod Assembly</td>	40		12001 04	Pieton Rod Assembly
12	10	4	1/010	Piston Rod
14. 2 13315. Screw - Injector Mounting *15 2 1922B. Adapter Coupling *16 4 13305. O-Ring - Adapter Coupling *17 2 13314. Screw - Adapter Coupling 18 1 12638. O-Ring - Drain 19 2 13301. O-Ring - Injector 20 2 13302. O-Ring - Injector 20 2 13303. O-Ring - Injector Cover 21 1 13303. O-Ring - Injector Cover 22 1 13163. Injector Body 23 1 10913. Injector Nozzle - Specify Size 24 1 10914. Injector Throat - Specify Size 25 1 100227. Injector Screen 26 1 13166. Injector Cover 27 1 13172. Brine Valve Stem 28 1 12626. Brine Valve Stem 28 1 12626. Brine Valve Cap 30 1 13167. Brine Valve Stem 31 1 12550. Quad Ring 32 1 11973. Spring - Brine Valve 33 1 16098. Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10329. B.L.F.C. Fitting Nut 3/8" 38 1 12977. O-Ring - B.L.F.C. 40 1 13743. B.L.F.C. Fitting Nut 3/8" 41 1 19874. B.L.F.C. Fitting Nut 3/8" 41 1 13244. B.L.F.C. Fitting Nut 3/8" 42 1 1373. D.L.F.C. Button - Specify Size 44 1 13744. B.L.F.C. Fitting 45 1 13346. G.R.F.C. Button - Specify Size 46 1 133497. O-Ring - B.L.F.C. 46 1 13497. Air Dispenser 47 1 13546. End Plug Retainer 48 3 12712. Screw 49 1 13363. Washer 50 1 13398. Screw 51A 1 13398. Screw 51B 1 18706. Yoke, Brass, 3/4" NPT 51B 1 18706. Yoke, Brass, 1" NPT 52 1 13308. Drain Hose Barb	12	1	13446-40	End Plug Assembly - Green
*15. 2 19228 Adapter Coupling *16. 4 13305 O-Ring - Adapter Coupling *17. 2 13314 Screw - Adapter Coupling *17. 2 13314 Screw - Adapter Coupling *18. 1 12638 O-Ring - Drain *19. 2 13301 O-Ring - Injector *20. 2 13302 O-Ring - Brine Spacer *21. 1 13303 O-Ring - Injector Cover *22. 1 13163 Injector Body *23. 1 10913 Injector Body *23. 1 10914 Injector Throat - Specify Size *24. 1 10914 Injector Throat - Specify Size *25. 1 10227 Injector Screen *26. 1 13166 Injector Cover *27. 1 13172 Brine Valve Stem *28. 1 12626 Brine Valve Stem *28. 1 12626 Brine Valve Spacer *29. 1 13167 Brine Valve Spacer *30. 1 13167 Brine Valve Spacer *31. 1 12550 Quad Ring *32. 1 11973 Spring - Brine Valve *33. 1 16098 Washer - Brine Valve *34. 1 11981-01 Retaining Ring *35. 1 10332 BLF.C. Fitting Nut 3/8" *36. 1 10330 BLF.C. Fitting Nut 3/8" *37. 1 10332 BLF.C. Fitting Nut 3/8" *38. 1 BLF.C. Button - Specify Size *40. 1 13244 BLF.C. Button - Specify Size *40. 1 13244 BLF.C. Button - Specify Size *40. 1 13244 BLF.C. Button - Specify Size *41. 1 13244 BLF.C. Button - Specify Size *42. 1 DLF.C. Button - Specify Size *43. 1 1373 DLF.C. Button - Specify Size *44. 1 12767 Screen - Brine Line *45. 1 15348 O-Ring - DL.F.C. *46. 1 13349 Air Dispenser *47. 1 13546 End Plug Retainer *48. 3 12112 Screw *49. 1 13363 Washer *50. 1 13398 Yoke, Brass, 3/4" NPT *518. 1 18706 Yoke, Plastic, 3/4" NPT *52. 1 13308 Drain Hose Barb	14	2	13315	Screw - Injector Mounting
*16	*15	2	19228	. Adapter Coupling
*17	*16	4	13305	. O-Ring - Adapter Coupling
18	*17	2	13314	. Screw - Adapter Coupling
19 2 13301 O-Ring - Injector 20 2 13302 O-Ring - Brine Spacer 21 1 13303 O-Ring - Brine Spacer 21 1 13303 O-Ring - Injector Cover 31303 O-Ring - Injector Cover 314 1 13163 Injector Body 315 Injector Rody 315 Injector Nozzle - Specify Size 315 Injector Nozzle - Specify Size 315 Injector Nozzle - Specify Size 315 Injector Screen 315 Injector Screen 315 Injector Cover 315 Injector Cover 316 Injector Cover 317 Injector Cover 317 Injector Screen 318 Injector Screen 319 Injector Screen 3	18	1	12638	. O-Ring - Drain
21 1 13303 O-Ring - Injector Cover 22 1 13163 Injector Body 23 1 10913 Injector Nozzle - Specify Size 24 1 10914 Injector Nozzle - Specify Size 25 1 10227 Injector Screen 26 1 13166 Injector Cover 27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Seat 29 1 13165 Brine Valve Cap 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38	19	2	13301	. O-Ring - Injector
22 1 13163 Injector Body 23 1 10913 Injector Nozzle - Specify Size 24 1 10914 Injector Throat - Specify Size 25 1 10227 Injector Screen 26 1 13166 Injector Cover 27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Seat 29 1 13165 Brine Valve Spacer 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 37 1 10330 B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Button Specify Size 39 1 <th>20</th> <td> 2</td> <td> 13302</td> <td>. O-Ring - Brine Spacer</td>	20	2	13302	. O-Ring - Brine Spacer
23 1 10913 Injector Nozzle - Specify Size 24 1 10914 Injector Troat - Specify Size 25 1 10227 Injector Screen 26 1 13166 Injector Cover 27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Stem 29 1 13165 Brine Valve Cap 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 6098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 BL.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Button Specify Size 39 1 12977 O.Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1	21	1	13303	. O-Ring - Injector Cover
24 1 10914 Injector Throat - Specify Size 25 1 10227 Injector Cover 26 1 13166 Injector Cover 27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Space 29 1 13165 Brine Valve Spacer 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 37 1 10332 B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Fitting Nut 3/8" 38 1 B.L.F.C. Fitting Nut 3/8" 39 1 12977 O-Ring -B.L.F.C. 40 1 13245	22	1	13163	. Injector Body
25 1 10227 Injector Screen 26 1 13166 Injector Cover 27 1 13162 Brine Valve Stem 28 1 12626 Brine Valve Seat 29 1 13165 Brine Valve Spacer 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 37 1 10332 B.L.F.C. Fitting Nut 3/8" 38 1 10330 B.L.F.C. Fitting Nut 3/8" 39 1 10330 B.L.F.C. Fitting Nut 3/8" 38 1 1 1.8. 39 1 12977 O.Ring - B.L.F.C. Button Secrety Size 40	23	1	10913	. Injector Nozzle - Specify Size
26 1 13166. Injector Cover 27 1 13172. Brine Valve Stem 28 1 12626. Brine Valve Seat 29 1 13165. Brine Valve Cap 30 1 13167. Brine Valve Spacer 31 1 12550. Quad Ring 32 1 11973. Spring - Brine Valve 33 1 16098. Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Fitting Nut 3/8" 37 1 10332. B.L.F.C. Fitting Nut 3/8" 38 1 10329. B.L.F.C. Fitting Nut 3/8" 38 1 10330. B.L.F.C. Fitting Nut 3/8" 38 1 12977. O.Ring - B.L.F.C. 40 1 13245. B.L.F.C. Button Retainer 41 1 13244. B.L.F.C. Button Retainer	24	1	10914	. Injector Throat - Specify Size
27 1 13172 Brine Valve Stem 28 1 12626 Brine Valve Seat 29 1 13165 Brine Valve Spacer 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Fitting Nut 3/8" 37 1 10322 B.L.F.C. Button Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Button Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. <td< td=""><th>25</th><td> 1</td><td> 10227</td><td>. Injector Screen</td></td<>	25	1	10227	. Injector Screen
28 1 12626. Brine Valve Cap 29 1 13165. Brine Valve Cap 30 1 13167. Brine Valve Spacer 31 1 12550. Quad Ring 32 1 11973. Spring - Brine Valve 33 1 16098. Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Ferrule 3/8" 37 1 10332. B.L.F.C. Button Pacify Size 39 1 12977. O-Ring - B.L.F.C. 40 1 13247. O-Ring - B.L.F.C. 40 1 13245. B.L.F.C. Button Retainer 41 1 13244. B.L.F.C. Button Pacify Size 43 1 13173. D.L.F.C. Button Retainer 44 1 12767. Screen - Brine Line 45 1 15348. O-Ring - D.L.F.C.	26	1	13166	Dring Volve Stom
29 1 13165 Brine Valve Cap 30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 13548 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 <th>27</th> <td> 1</td> <td>131/2</td> <td>Princ Valve Seat</td>	27	1	131/2	Princ Valve Seat
30 1 13167 Brine Valve Spacer 31 1 12550 Quad Ring 32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Tube Insert 3/8" 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button - Specify Size 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button Retainer 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw<	28	1	12626	. Brine Valve Con
31 1 12550. Quad Ring 32 1 11973. Spring - Brine Valve 33 1 16098. Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329. B.L.F.C. Fitting Nut 3/8" 36 1 10330. B.L.F.C. Ferrule 3/8" 37 1 10332. B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977. O-Ring - B.L.F.C. 40 1 13245. B.L.F.C. Button Retainer 41 1 13244. B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173. D.L.F.C. Button Retainer 44 1 12767. Screen - Brine Line 45 1 15348. O-Ring - D.L.F.C. 46 1 13497. Air Dispenser 47 1 13546. End Plug Retainer 48 3 12112. Screw 50 1 13296. <t< td=""><th>29</th><td>.,,, 1</td><td>40467</td><td>Princ Volve Spacer</td></t<>	29	.,,, 1	40467	Princ Volve Spacer
32 1 11973 Spring - Brine Valve 33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button - Specify Size 44 1 12767 Screen - Brine Line 45 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48	30	1	12550	Ouad Ring
33 1 16098 Washer - Brine Valve 34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 51B 1 18706	31	1	11073	Spring - Brine Valve
34 1 11981-01 Retaining Ring 35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass,	22	1	16098	Washer - Brine Valve
35 1 10329 B.L.F.C. Fitting Nut 3/8" 36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 1 </td <th>34</th> <td>1</td> <td>11981-01</td> <td>. Retaining Ring</td>	34	1	11981-01	. Retaining Ring
36 1 10330 B.L.F.C. Ferrule 3/8" 37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	35	1	10329	. B.L.F.C. Fitting Nut 3/8"
37 1 10332 B.L.F.C. Tube Insert 3/8" 38 1 B.L.F.C. Button - Specify Size 39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button - Specify Size 43 1 1373 D.L.F.C. Button - Specify Size 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb <th>36</th> <td>1</td> <td>10330</td> <td>. B.L.F.C. Ferrule 3/8"</td>	36	1	10330	. B.L.F.C. Ferrule 3/8"
38 1 B.L.F.C. Button - Specify Size 39 1 12977. O-Ring - B.L.F.C. 40 1 13245. B.L.F.C. Button Retainer 41 1 13244. B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173. D.L.F.C. Button Retainer 44 1 12767. Screen - Brine Line 45 1 15348. O-Ring - D.L.F.C. 46 1 13497. Air Dispenser 47 1 13546. End Plug Retainer 48 3 12112. Screw 49 1 13363. Washer 50 1 13296. Screw 51A 1 13708. Yoke, Brass, 3/4" NPT 51B 1 18706. Yoke, Plastic, 1" NPT 51B 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308. Drain Hose Barb	37	1	10332	. B.L.F.C. Tube Insert 3/8"
39 1 12977 O-Ring - B.L.F.C. 40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	38	1		. B.L.F.C. Button - Specify Size
40 1 13245 B.L.F.C. Button Retainer 41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	39	1	12977	. O-Ring - B.L.F.C.
41 1 13244 B.L.F.C. Fitting 42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Plastic, 1" NPT 51B 1 18706 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	40	1	13245	B.L.F.C. Button Retainer
42 1 D.L.F.C. Button - Specify Size 43 1 13173 D.L.F.C. Button Retainer 44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	41	1	13244	B.L.F.C. Fitting
44 1 12767 Screen - Brine Line 45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	42	1		D.L.F.C. Button - Specify Size
45 1 15348 O-Ring - D.L.F.C. 46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	43	1	13173	D.L.F.C. Button Retainer
46 1 13497 Air Dispenser 47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	44	1	12767	Screen - Brine Line
47 1 13546 End Plug Retainer 48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	45	1	15348	O-Ring - D.L.F.C.
48 3 12112 Screw 49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	46	1	13497	Air Dispenser
49 1 13363 Washer 50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	47	1	13546	End Plug Retainer
50 1 13296 Screw 51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	48	3	12112	Screw
51A 1 13708 Yoke, Brass, 3/4" NPT 1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb				
1 13398 Yoke, Brass, 1" NPT 51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	50	1	13296	Screw
51B 1 18706 Yoke, Plastic, 1" NPT 1 18706-02 Yoke, Plastic, 3/4" NPT 52 1 13308 Drain Hose Barb	51A	1	13708	YOKE, BRASS, 3/4 NPT
1		1	13398	Yoke, Brass, 1" NPT
52	51B	1	18706	. Yoke, Plastic, 1" NP1
		1	18706-02	. Yoke, Plastic, 3/4" NPT
* Not used with meter controls.			13308	Drain Hose Barb
	* Not used with me	eter controls.		

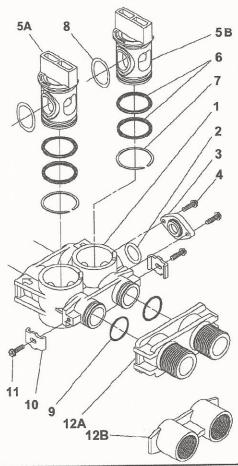
By-pass Valve Assembly, Brass



Item No.	Quantity	Part No.	Description
1	1	17290	By-Pass Valve Body, 3/4"
	1	17290NP	By-Pass Valve Body, 3/4" Nickel Plate
			By-Pass Valve Body, 1"
			By-Pass Valve Body, 1", Nickel Plate
2			Seal, By-Pass
			Plug, By-Pass
		11978	
		13604-01	
6	8	15727	Screw
7	1	11986	Side Cover
			Lever, By-Pass
			Screw, Hex Head, 1/4-14

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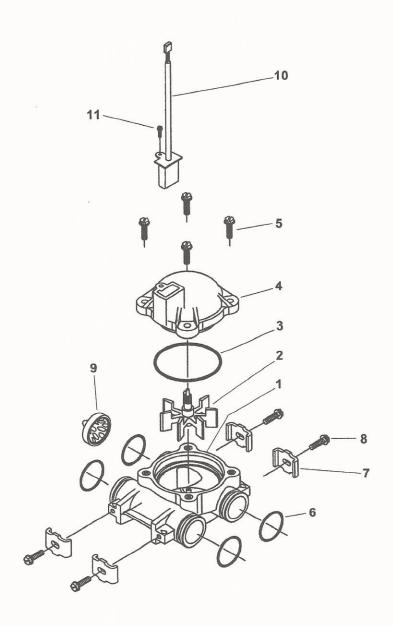
By-pass Valve Assembly, Plastic



Item No.	Quantity	Part No.	Description	
1	1	19723	By-Pass Valve Body, Plastic	
2	1	11183	O-Ring, -015	
3	1	19724	Cap, By-Pass	
4	2	17512	Screw, Hex Washer Head, #6-24 x 3	
5A	1	17820	Plug, By-Pass Inlet	
5B	1	17820-01	Plug, By-Pass, Outlet (White)	
6	4	18661	O-Ring, -218	
7	2	18662	Retaining Ring	
8	2	18660	O-Ring	
			o-Ring, -119	
			Clip, Mounting	
10	2	13314	Screw, Hex Washer Head, 8-18 x 5/8	
10	1	18706	Yoke, Plastic, 1" NPT	
12/1		18706-02	Yoke, Plastic, 3/4" NPT	
400	4	12709	Yoke, Brass, 3/4" NPT	
12B		12700ND	Yoke, 3/4" NPT Nickel Plated	
	1	12209	Voke Brass 1" NPT	
	1	12200ND	Yoke, Brass, 1″ NPT Voke, 1″ NPT Nickel Plated	
	1	19990NP	Yoke, 1" NPT Nickel Plated	

Meter Assembly

(See opposite page for parts list)



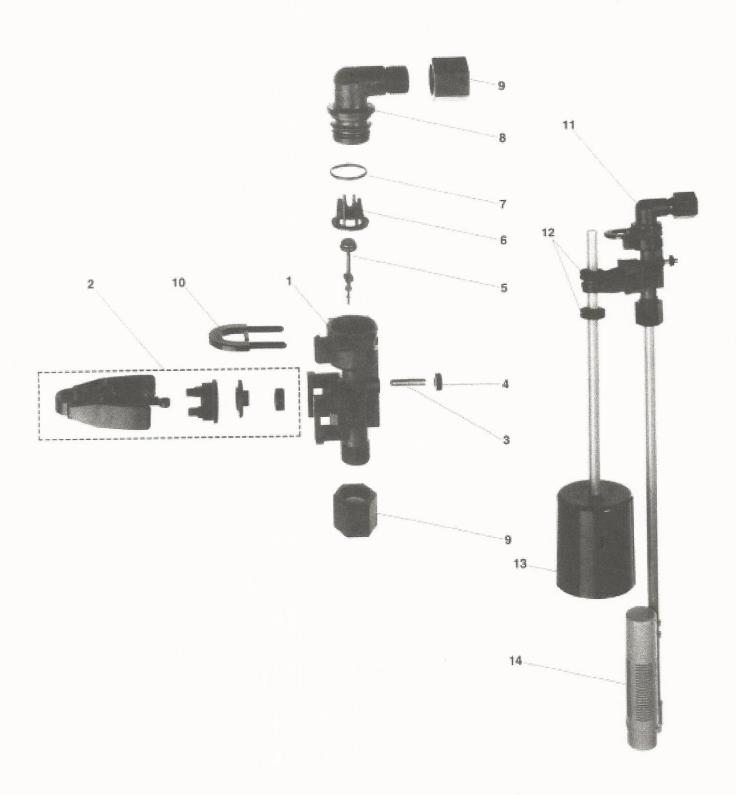
Meter Assembly

Parts List

Item No.	Quantity	Part No.	Description
1	1	13821	Meter Body
2	1	13509	Impeller
3	1	13847	O-Ring, -137
4	1	14716	Meter Cap Assembly, Electronic
5	4	12473	Screw, Hex Washer, 10-24 x 5/8
6	4	. 13305	O-Ring, -119
7	4	. 13255	Clip, Mounting
8	4	. 13314	Screw, Hex Washer Head, 8-18 x 5/8
9	1	. 14613	Flow Straightener
10	1	. 19121-01	Hardness Assembly, Flow Meter
11	1	. 17798	Screw

2310 Safety Brine Valve

(See Opposite Page for Part List)

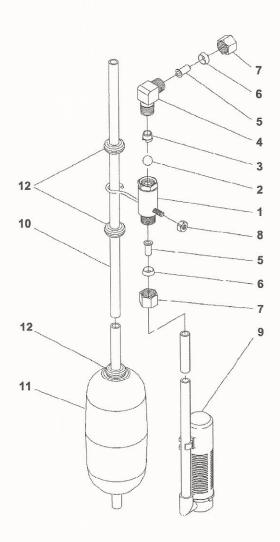


Safety Brine Valve

Parts List

Item No.	Quantity	Part No.	Description
1	1	19645	Safety Brine Valve Body
2	1	19803	Safety Brine Valve Arm Assembly
		19804	
		19805	
5	1	19652-01	Poppet & Seal
			Flow Dispenser
		11183	
8	1	19647	Elbow, Safety Brine Valve
			Nut Assembly, 3/8
		18312	
11	1	60014	Safety Brine Valve, 2310 (includes items 1-10)
12	2	10150	Grommet (included with item 13)
			Float Assembly, 2310
			500 Air Check Assembly

2300 Safety Brine Valve



Item No.	Quantity	Part No.	Description
1	1	60027-00	2300 Safety Brine Valve body
2	1	10138	Ball, 3/8″
3	1	11566	Bull Stop
4	1	10328	Elbow, 1/4 x 1/4 T
5	2	10332	Insert, 3/8
6	2	10330	Sleeve, 3/8
		10329	
			Nut, Hex, 10-32, Nylon
			#500 Air Check
		10149	
			Float Assembly, Blue/White
		10150	

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Service Instructions

A. TO REPLACE TIME BRINE VALVE, INJECTORS, AND SCREEN

- 1. Turn off water supply to conditioner:
 - a. If the conditioner installation has a "three valve" by-pass system, first open the valve in the by-pass line, then close the valves at the conditioner inlet and outlet.
 - b. If the conditioner has an integral by-pass valve, put it in the by-pass position.
 - If there is only a shut-off valve near the conditioner inlet, close it.
- Relieve water pressure in the conditioner by stepping the control into the backwash position momentarily. Return the control to the service position.
- 3. Unplug electrical cord from outlet.
- Disconnect brine tube and drain line connections at the injector body.
- Remove the two injector body mounting screws.
 The injector and brine module can now be removed from the control valve. Remove and discard brine body O-rings.
- 6A. To replace brine valve.
 - Pull brine valve from injector body, also remove and discard O-ring at bottom of brine valve hole.
 - Apply silicone lubricant to new O-ring and reinstall at bottom of brine valve hole.
 - Apply silicone lubricant to O-ring on new valve assembly and press into brine valve hole, shoulder on bushing should be flush with injector body.
- 6B. To replace injectors and screen.
 - Remove injector cap and screen, discard Oring. Unscrew injector nozzle and throat from injector body.
 - Screw in new injector throat and nozzle, be sure they are sealed tightly. Install a new screen.
 - Apply silicone lubricant to new O-ring and install around oval extension on injector cap.
- Apply silicone lubricant to three new O-rings and install over three bosses on injector body.
- Insert screws with washers thru injector cap and injector. Place this assembly thru hole in timer housing and into mating holes in the valve body. Tighten screws.
- 9. Reconnect brine tube and drain line.
- Return by-pass or inlet valving to normal service position. Water pressure should now be applied

- to the conditioner, and any by-pass line shut off.
- Check for leaks at all seal areas. Check drain seal with the control in the backwash position.
- 12. Plug electrical cord into outlet.
- 13. Set time of day and cycle the control valve manually to assure proper function. Make sure control valve is returned to the service position.
- 14. Make sure there is enough salt in the brine tank.
- 15. Start regeneration cycle manually if water is hard.

B. TO REPLACE TIMER

- 1. Follow Steps A.1 through A.3.
- Remove the control valve back cover. Remove the control valve front cover. Disconnect the meter dome signal wire from the front cover and feed it back through the control.
- Remove screw and washer at drive yoke. Remove timer mounting screws. The entire timer assembly will now lift off easily.
- 4. Put new timer on top of valve. Be sure drive pin on main gear engages slot in drive yoke.
- Replace timer mounting screws. Replace screw and washer at drive yoke. Replace meter signal wire.
- Return by-pass or inlet valving to normal service position. Water pressure should now be applied to the conditioner, and any by-pass line shut off.
- Replace the control valve back cover.
- 8. Follow Steps A.12 through A.15.

C. TO REPLACE PISTON ASSEMBLY

- 1. Follow Steps A.1 through A.3.
- Remove the control valve back cover. Remove the control valve front cover. Disconnect the meter dome signal wire from the front cover and feed it back through the control.
- Remove screw and washer at drive yoke. Remove timer mounting screws. The entire timer assembly will now lift off easily. Remove end plug retainer plate.
- Pull upward on end of piston yoke until assembly is out of valve.
- Inspect the inside of the valve to make sure that all spacers and seals are in place, and that there is no foreign matter that would interfere with the valve operation.
- Take new piston assembly as furnished and push piston into valve by means of the end plug. Twist yoke carefully in a clockwise direction to properly align it with drive gear. Replace end plug retainer plate.

Service Instructions (Cont'd.)

- Place timer on top of valve. Be sure drive pin on main gear engages slot in drive yoke.
- 8. Replace timer mounting screws. Replace screw and washer at drive yoke.
- Return by-pass or inlet to normal service position.
 Water pressure should now be applied to the conditioner, and any by-pass line shut off.
- 10. Replace the control valve back cover.
- 11. Follow Steps A.12 through A.15.

D. TO REPLACE SEALS AND SPACERS

- Follow Steps A.1 through A.3.
- Remove the control valve back cover. Remove the control valve front cover. Disconnect the meter dome signal wire from the front cover and feed it back through the control.
- Remove screw and washer at drive yoke. Remove timer mounting screws. The entire timer assembly will now lift off easily. Remove end plug retainer plate.
- Pull upward on end of piston rod yoke until assembly is out of valve. Remove and replace seals and spacers.
- Take piston assembly and push piston into valve by means of the end plug. Twist yoke carefully in a clockwise direction to properly align it with drive gear. Replace end plug retainer plate.
- Place timer on top of valve. Be sure drive pin on main gear engages slot in drive yoke.
- Replace timer mounting screws. Replace screw and washer at drive yoke.
- Return by-pass or inlet valving to normal service position. Water pressure should now be applied to the conditioner, and any by-pass line shut off.
- Replace the control valve back cover.
- 10. Follow Steps A.12 through A.15.

E. TO REPLACE METER

- Follow Steps A.1 through A.3.
- Remove screw holding signal wire from meter dome
- Remove two screws and clips at by-pass valve or yoke. Pull resin tank away from plumbing connections.

- Remove two screws and clips at control valve.
 Pull meter module out of control valve.
- 5. Apply silicone lubricant to four new O-rings and assemble to four ports on new meter module.
- Assemble meter to control valve. Note, meter portion of module must be assembled at valve outlet.
- 7. Attach two clips and screws at control valve. Be sure clip legs are firmly engaged with lugs.
- Push resin tank back to the plumbing connections and engage meter ports with by-pass valve or yoke.
- Attach two clips and screws at by-pass valve or yoke. Be sure clip legs are firmly engaged with lugs.
- Return by-pass or inlet valving to normal service position. Water pressure should now be applied to the conditioner, and any by-pass line shut off.
- 11. Check for leaks at all seal areas.
- 12. Connect meter dome signal wire.
- 13. Follow Steps A.12 through A.15.

F. TO REPLACE METER COVER AND/OR IMPELLER

- 1. Follow Steps A.1 through A.3.
- Remove screw holding signal wire from meter dome.
- 3. Remove four screws on cover.
- 4. Lift cover off of meter module, discard O-ring.
- Remove and inspect impeller for gear or spindle damage, replace if necessary.
- Apply silicone lubricant to new O-ring and assemble to the smallest diameter on meter cover.
- Assemble cover to meter module. Be sure impeller spindle enters freely into cover. Press firmly on cover and rotate if necessary to assist in assembly.
- 8. Replace four screws and tighten.
- Return by-pass or inlet valving to normal service position. Water pressure should now be applied to the conditioners, and any by-pass shut off.
- 10. Check for leaks at all seal areas.
- 11. Connect meter dome signal wire.
- 12. Follow Steps A.12 through A.15.

Service Instructions (Cont'd.)

	PROBLEM	CAUSE	CORRECTION
1.	Softener fails to regenerate.	A. Electrical service to unit has been interrupted.	A. Assure permanent electrical service (check fuse, plug, pull chain or switch).
		B. Timer is not operating properly. C. Defective valve drive motor. D. Timer programming bad (improper programming).	B. Replace timer. C. Replace drive motor. D. Check programming and reset as needed.
2.	Softener delivers hard water.	A. By-pass valve is open. B. No salt in brine tank.	A. Close by-pass valve. B. Add salt to brine tank and maintain salt level above water
		C. Injectors or screen plugged. D. Insufficient water flowing into brine tank. E. Hot water tank hardness.	level. C. Replace injectors and screen. D. Check brine tank fill time and clean brine line flow if plugged. E. Repeated flushings of the hot
		F. Leak at distributor tube.	water tank is required. F. Make sure distributor tube is not cracked. Check O-ring and tube
		G. Internal valve leak.	pilot. G. Replace seals and spacers and/or piston.
		H. Flow meter jammed.	H. Remove obstruction from flow meter.
		Flow meter cable disconnected of not plugged into meter cap. J. Improper programming.	Check meter cable connection to timer and meter cap. Reprogram the control to the proper regeneration type, inlet water hardness, capacity or flow meter size.
3.	Unit uses too much salt.	A. Improper salt setting.	A. Check salt usage and salt setting.
		B. Excessive water in brine tank. C. Improper programming.	B. See problem no. 7. C. Check programming and reset as needed.
4.	Loss of water pressure.	A. Iron buildup in line to water conditioner.	A. Clean line to water conditioner.
		B. Iron buildup in water conditioner.	B. Clean Control and add resin cleaner to resin bed. Increase frequency of regeneration.
		C. Inlet of control plugged due to foreign material broken loose from pipes by recent work done on plumbing system.	C. Remove piston and clean
5.	Loss of resin through drain line.	A. Air in water system.	A. Assure that well system has proper air eliminator control.
		B. Drain line flow control is too large	Check for dry well condition. B. Ensure drain line flow control is sized correctly.

Service Instructions (Cont'd.)

PROBLEM	CAUSE	CORRECTION	
6. Iron in conditioned water.	A. Fouled resin bed.	Check backwash, brine draw and brine tank fill. Increase frequency of regeneration. Increase backwash time.	
	B. Iron content exceeds recommended parameters.	 B. Add iron removal from filter or system. 	
7. Excessive water in brine tank	. A. Plugged drain line flow control.	A. Clean flow control.	
	B. Brine valve failure. C. Improper programming.	B. Replace brine valve.C. Check programming and reset as needed.	
8. Salt water in service line.	A. Plugged injector system.	Clean injector and replace screen.	
	B. Timer not operating properly.	B. Replace timer.	
	C. Foreign material in brine valve. D. Foreign material in brine line flow control.	C. Clean or replace brine valve. Clean brine line flow control.	
	E. Low water pressure. F. Improper programming.	Raise water pressure. Check programming and reset an needed.	
9. Softener fails to draw brine.	A. Drain line flow control is plugged.	A. Clean drain line flow control.	
	B. Injector is plugged.	B. Clean or replace injectors.	
	C. Injector screen plugged. D. Line pressure is too low.	Replace screen. Increase line pressure. (Line pressure must be at least 25 psi at all times.)	
	E. Internal control leak.	Change seals and spacers and/o piston assembly.	
	F. Improper programming.	 F. Check programming and reset a needed. 	
	G. Timer not operating properly.	G. Replace timer.	
10. Control cycles continuously.	A. Timer not operating properly.	A. Replace timer.	
	B. Faulty microswitches and or harness.	Replace faulty microswitch or harness.	
	C. Faulty cycle cam operation.	C. Replace cycle cam or reinstall.	
11. Drain flows continuously.	A. Foreign material in control.	Remove Piston assembly and inspect bore, remove foreign material & check control in various regeneration positions.	
	B. Internal control leak.	Replace seals and/or piston assembly.	
	 C. Control valve jammed in brine or backwash position. 	C. Replace piston and seals and spacers.	
	D. Timer motor stopped or jammed.	Replace timer, motor and check all gears for missing teeth.	
	E. Timer not operating properly.	E. Replace timer.F. Replace cycle cam or reinstall.	
	F. Faulty cycle cam operation. G. Faulty microswitches and/or harness.	Replace cycle cam or reinstall. Replace faulty microswitches at or harness.	

Service Assemblies

60022-25 BLFC .25 GPM 60022-50 BLFC .50 GPM 60022-100 BLFC 1.0 GPM For Illustration, See Page 16 12094 Flow Washer .25 GPM 12095 Flow Washer .50 GPM 12097 Flow Washer 1.0 GPM 1 12977 O-Ring, -015	113446-40End Plug Assembly, Green 117218Piston, Downflow Rapid Rinse 601256700 Seal and Spacer Kit For Illustration and Parts List, See Pages 16 and 17 513242Seal 414241Spacer
113244 Adapter, BLFC 113245 Retainer, BLFC 60032 Brine Valve For Illustration, See Page 16 111973 Spring, Brine Valve	60084Injector Drain Module Assembly (Specify Inj. Number, D.L.F.C. Size B.L.F.C. Size) For Illustration and Parts List, See Pages 16 and 17 for Part No.'s 18-44.
111981-01 Retaining Ring 112550 Quad Ring, -009 113165 Cap, Brine Valve 113167 Spacer, Brine Valve 213302 O-Ring, -014	60086-50 6700 Meter Assembly For Illustration and Parts List, See Page 20 19313 Assembly, Circuit Board Housing, 1 Relay
116098 Washer, Plain, Nylon 113172 Brine Valve Stem 112626 60040 By Pass, 3/4", Brass 60040NP By Pass, 3/4", Nickel	-112 24V B/W Brine Rinse, Black 60343(Specify Voltage) 6700 Metered Power Head Assembly Downflow, B/W Brine Rinse,
60041NP By Pass, 1", Brass 60041NP By Pass, 1", Nickel For Illustration and Parts List, See Page 18	less Cover -1122 24V 50/60HZ, Black, 1 Relay 60344(Specify Voltage) 6700 Time Clock Power Head Assembly
60049 Bypass, Plastic 3/4" For Illustration, and Parts List, See Page 19 60102-71 6700 Piston Assembly –	Downflow, B/W Brine Rinse, less Cover -1122 24V 50/60HZ, Black, 1 Relay
Downflow For Illustration, See Page 16 113001-04 Piston Rod Assembly 114309 Piston Rod Retainer	

Notes

Notes