



PRF 368 Valve

TABLE OF CONTENTS

MANUAL OVERVIEW	1
SAFETY INFORMATION.....	1
TYPICAL TOOLS AND FITTINGS REQUIRED.....	2
VALVE DIMENSIONS- 368	2
VALVE LAYOUT - 368	2
SPECIFICATIONS.....	3
EQUIPMENT INSTALLATION	4
CONTROL OPERATION & LAYOUT.....	10
PROGRAMMING - 368/604	10
PROGRAMMING - 368/606	11
MANUAL REGENERATION	11
QUICK CYCLING THE CONTROL.....	12
SYSTEM SELECTION AND RESET PROCEDURES.....	12
ACCESSING HISTORY VALUES.....	12
START-UP	13
INSTALLATION CHECKLIST	13
VALVE ASSEMBLY - 368	14
TROUBLESHOOTING	16
SERVICE ASSEMBLIES	17

MANUAL OVERVIEW

How To Use This Manual

This installation manual is designed to guide the installer through the process of installing and starting the softener.

This manual is a reference and will not include every system installation situation. The person installing this equipment should have:

- Knowledge in the water softener installation
- Basic plumbing skills

Icons That Appear In This Manual

⚠ WARNING: Failure to follow this instruction can result in personal injury or damage to the equipment.

NOTE: This will make the process easier if followed.

Inspection

Inspect the unit for damage or missing parts.

SAFETY INFORMATION

- Review the entire Operation Manual before installing the water conditioning system.
- Follow all applicable plumbing and electrical codes when installing this water conditioning system.
- This water conditioning system is not intended for the treatment of water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- This water conditioning system is to be used only for potable water.
- Inspect the water conditioning system for carrier shortage or shipping damage before beginning installation.
- Use caution when installing soldered metal piping near the water conditioning system. Heat can adversely affect the plastic control valve or bypass valve system. Be sure all soldered pipes are fully cooled before attaching plastic valve to the plumbing.
- All plastic connections should be hand tightened. Tefon* tape may be used on connections that do not use an O-ring seal. Do not use pipe dope type sealants on the valve body. Do not use pliers or pipe wrenches.
- Minimum pipe run to water heater of three meters to prevent backup of hot water into system.
- Do not use petroleum-based lubricants, oils or hydrocarbon-based lubricants. Use only 100% silicone lubricants.
- Use only the power transformer supplied with this water conditioning system.
- The power outlet must be grounded.
- Install an appropriate grounding strap across the inlet and outlet piping of the water conditioning system to ensure that a proper ground is maintained.
- To disconnect power, unplug the AC adapter from its power source.
- Observe drain line requirements. The drain line must be a minimum of 1/2-inch diameter. Use 3/4-inch pipe if the total length of the drain line exceeds 6 meters.
- Do not support the weight of the system on the control valve connections, or plumbing.
- Do not allow this water conditioning system to freeze. Damage from freezing will void this water conditioning system's warranty.
- Keep the media tank in the upright position. Do not turn upside down or drop. Turning the tank upside down or laying the tank on its side can cause media to enter the valve.
- Use only regenerants designed for water conditioning.

* Tefon is a trademark of E. I. duPont de Nemours

SPECIFICATIONS

Flow Rates (Valve Only)

Service @ 15 psi (1.03 bar drop)

16.6 gpm (4.3 Cv) / 3.77 m³/h (3.68kV)

Backwash @ 25 psi (1.72 bar drop)

2.75 gpm (.55 Cv) / 0.62 m³/h (.48kV)

Service

3.68 Kv

Backwash

0.48 Kv

Valve Connections

Tank Thread 2-1/2-inches – 8, male

Inlet/Outlet Thread 3/4" BSPT, male, 3/4" NPT, male,
1" BSPT, male, 1" NPT, male

Drain Line 1/2" – BSPT, male, 1/2" – NPT, male

Brine Line 3/8" – BSPT male, 3/8" – NPT, male

Distributor Tube Diameter 1.050 inch (27 mm)

Distributor Tube Length Flush to top of tank ± 1/2-inch

Valve Body Glass-filled Noryl®

Rubber Components Compounded for cold water

Operating Pressure 20-125 psi (1.38 – 8.61 bar)

Water Temperature 35-100°F (2 - 38°C)

Ambient Temperature* 35-122°F (2 - 50°C)

Refll Flow Rate 0.14 gpm (0.53 Lpm)/0.33 gpm (1.25 Lpm)

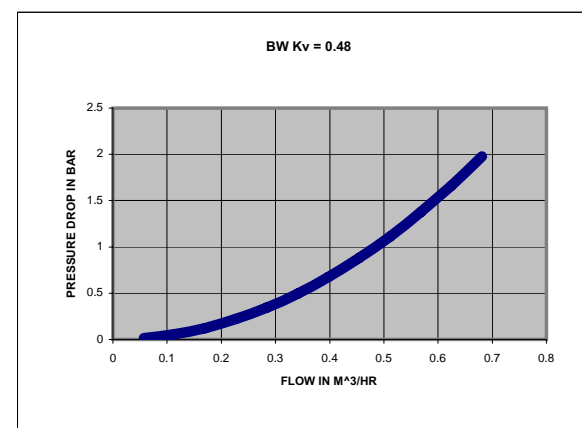
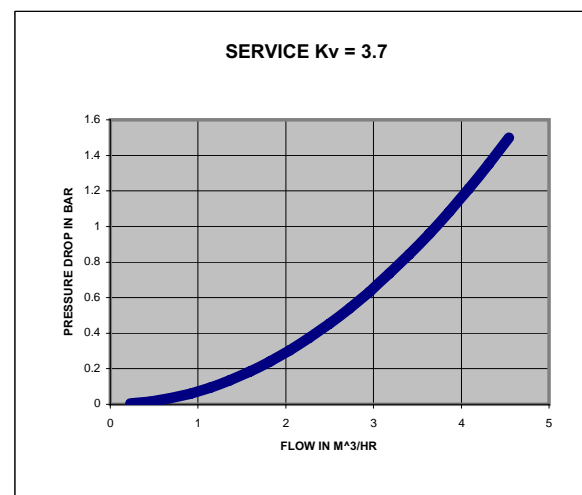
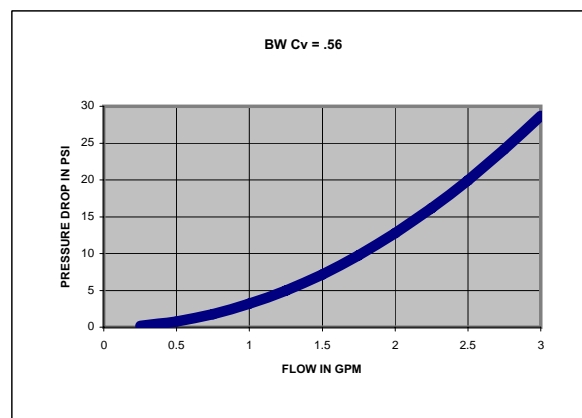
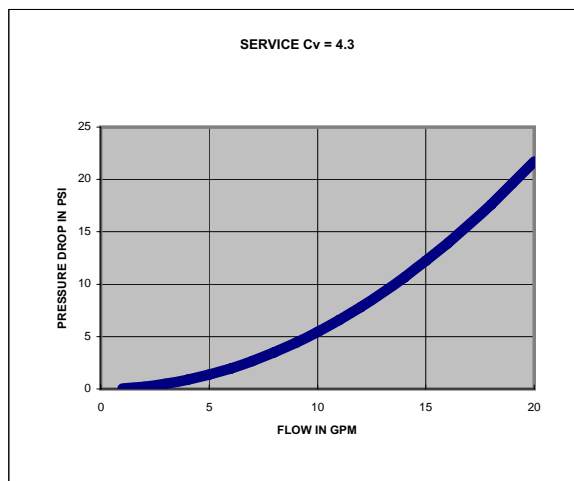
* Recommended for indoor use only

Options/Accessories (6" to 10" diameter tanks)

Regenerant Injectors E, F, G, H, and J

External Drain Line Flow Controls

1.0, 1.3, 1.7, 2.2 gpm (3.8, 4.9, 6.4, 8.3 Lpm)



EQUIPMENT INSTALLATION

General Warnings And Safety Information Electrical

There are no user-serviceable parts in the AC adapter, motor, or controller. In the event of a failure, these should be replaced.

- All electrical connections must be completed according to local codes.
- Use only the power AC adapter that is supplied. If the AC adapter is replaced use a Class II, 12 volt, 150 mA supply.
- The power outlet must be grounded and always on.
- To disconnect power, unplug the AC adapter from its power source.
- Install an appropriate grounding strap across the inlet and outlet piping of the water system to ensure proper grounding is maintained.

Mechanical

- Do not use petroleum based lubricants such as vaseline, oils, or hydrocarbon based lubricants. Use only 100% silicone lubricants.
- All plastic connections should be hand tightened. Tefon tape should be used on connections that do not use an O-ring seal. Do not use pliers or pipe wrenches.
- All plumbing must be completed according to local codes.
- Soldering of the plumbing should be done before connecting to the valve. Excessive heat will cause interior damage to the valve.
- Observe drain line requirements.
- Do not use lead-based solder for sweat solder connections.
- The drain line must be a minimum of 1/2-inch diameter. Use 3/4-inch pipe the pipe length is greater than 20 feet (6 m).
- Do not support the weight of the system on the control valve fittings, plumbing, or the bypass.
- It is not recommended to use sealants on the threads. Use Tefon* tape on all threads.

*Tefon is a trademark of E.I. duPont de Nemours.

General

- Observe all warnings that appear in this manual.
- This system is not intended to be used for treating water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.
- Keep the unit in the upright position. Do not turn on side, upside down, or drop. Turning the tank upside down will cause media to enter the valve.
- Operating ambient temperature is between 34°F (1°C) and 120°F (49°C).
- Operating water temperature is between 35°F (1°F) and 100°F (38°C).
- Working water pressure range is 20 to 125 psi (1.38 to 8.61 bar). In Canada the acceptable working water pressure range is 20 to 100 psi (1.38 to 6.89 bar).
- Use only salts designed for water softening. Acceptable salt type is sodium chloride pellet salt.
- Follow state and local codes for water testing. Do not use water that is micro-biologically unsafe or of unknown quality.
- When filling media tank, do not open water valve completely. Fill tank slowly to prevent media from exiting the tank.

- Always make modifications to house plumbing first. Connect to valve last.
- Plastic parts and O-rings may be damaged by heat and solvents. When constructing plumbing connections allow heated parts to cool and protect parts from solvents.

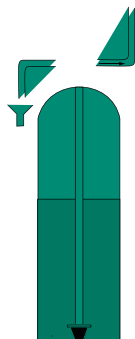
System Recharge Cycles

Service (Downfow):

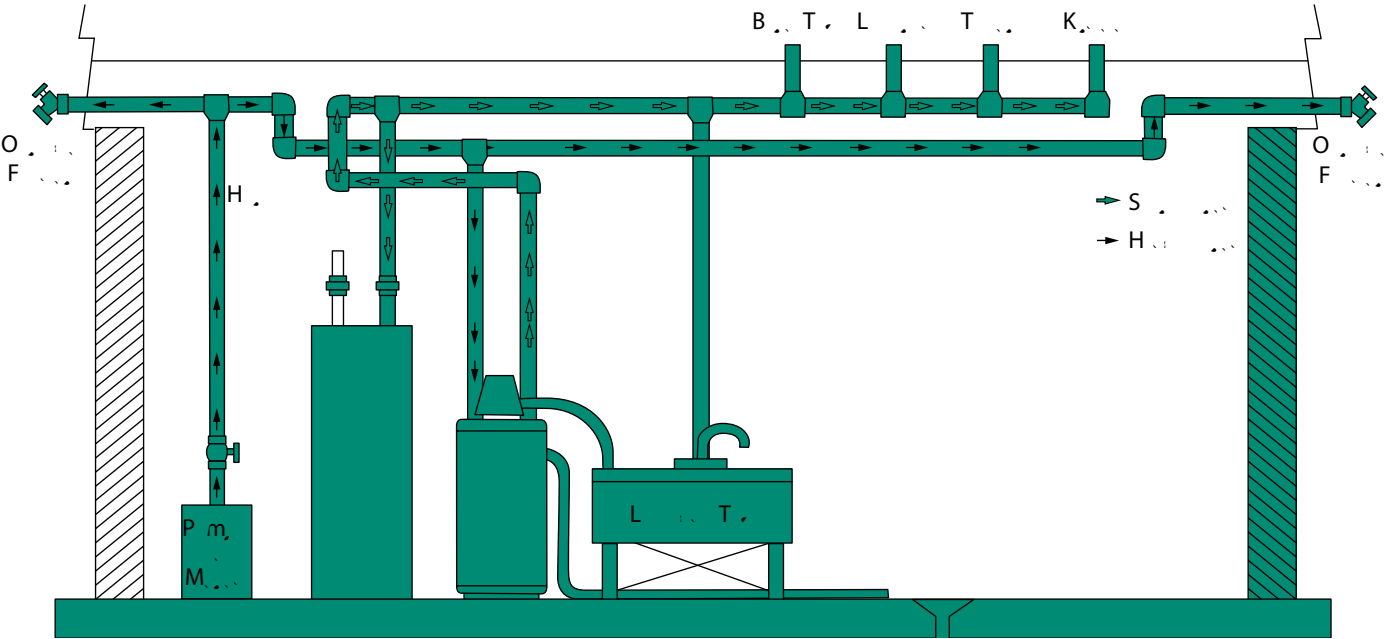
Untreated water is directed down through the resin bed and up through the riser tube. The hardness ions attach themselves to the resin and are removed from the water. The water is conditioned as it passes through the resin bed.

When a recharge cycle starts, the softener goes through seven cycles. During the recharge cycle the softener will allow untreated water to bypass into the building.

1. Backwash 1 (Upfow):
The flow of water is reversed by the control valve and directed down the riser tube and up through the resin bed. During the backwash cycle, the bed is expanded and debris is flushed to the drain.
2. Brine Draw (Downfow):
The brine draw cycle takes place during the slow rinse cycle. The control directs water through the brine injector and brine is drawn from the salt tank. Brine draw is completed when the air check in the salt tank closes.
Slow Rinse (Downfow):
The brine is directed down through the resin bed and up through the riser tube to the drain. The hardness ions are displaced by sodium ions and are sent to the drain. The resin is recharged during the brine cycle.
3. Repressurize Cycle (Hard Water Bypass Flapper Open):
This cycle closes the flappers for a short time to allow the air and water to hydraulically balance in the valve before continuing the recharge.
4. Fast Rinse 1 (Downfow):
The control directs water down through the resin bed and up through the riser tube to the drain. Any remaining brine residual is rinsed from the resin bed.
5. Backwash 2 (Upfow):
The flow of water is reversed by the control valve and directed down the riser tube and up through the resin bed. During the backwash cycle, the bed is expanded and debris is flushed to the drain.
6. Fast Rinse 2 (Downfow):
The control directs water down through the resin bed and up through the riser tube to the drain. Any remaining brine residual is rinsed from the resin bed.
7. Brine Refill:
Water is directed to the salt tank at a controlled rate, to create brine for the next recharge.



EQUIPMENT INSTALLATION *continued*



EQUIPMENT INSTALLATION *continued*

Grounding the Plumbing

It is important that the plumbing system be electrically grounded. When a water softener is installed a nonmetallic bypass valve may interrupt the grounding. To maintain continuity, a grounding strap can be purchased at a hardware store. When it is installed the strap will connect the plumbing into the softener to the plumbing out of the softener.

If you have other water treating equipment such as; chlorinator, sediment filter, neutralizer, iron filter, or taste & odor filter they should be installed upstream of the water softener.

You may wish to consult a water professional if additional water treating equipment is to be installed.

Valve Layout

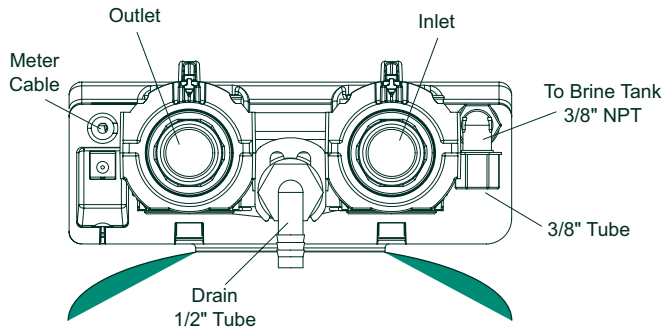


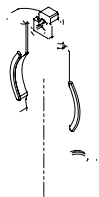
Figure 7

Drain Line Flow Control

The drain line flow control (DLFC) requires assembly (Figure 8).

1. Locate parts and a roll of Teflon tape. The plumbing adapters should be removed (Figure 10 Connector Assembly).
2. Wrap the tape over threads of the flow control.
3. Screw the flow control and the 90° elbow together. Hand tighten.
4. Place the ball into the flow control and insert the assembly into the drain line opening.
5. Push the assembly in and secure with the drain line clip.

The bypass assembly connects to the water system by means of a connector assembly. The connector is secured to the plumbing and then inserted into the bypass. A clip is used to hold it in place.



EQUIPMENT INSTALLATION *continued*

In the event of a malfunction, the salt TANK OVERFLOW will direct “overflow” to the drain instead of spilling on the floor. This fitting should be on the side of the cabinet.

To connect the overflow line, locate the tubing connector on the side of the tank (Figure 12 Tubing Connections). Attach length of 1/2-inch (1.3-cm) I.D. tubing to fitting and run to drain. Do not elevate overflow line higher than overflow fitting.

Do not tie into drain line of control unit. Overflow line must be a direct, separate line from overflow fitting to drain, sewer or tub. Allow an air gap as per drain line instructions.

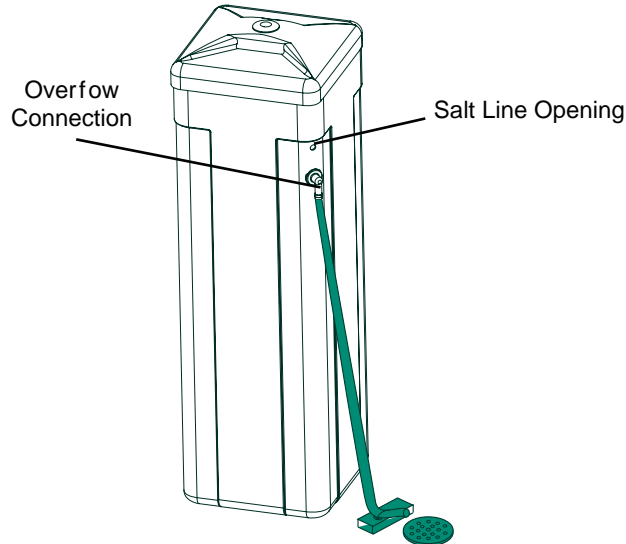


Figure 12 Tubing Connections

Salt Line Connection

The salt line from the brine tube connects to the valve. Make certain the connections are hand tightened. Be sure that the salt line is secure and free from air leaks. Even a small leak may cause the salt line to drain out, and the softener will not draw salt from the tank. This may also introduce air into the valve causing problems with valve operation.

To install the brine line:

1. Inside the salt tank, remove the cap from the large cylinder to gain access to the connection.
2. Be sure the brass insert is in the end of the brine tubing. Insert the tubing through the opening in the tank.
3. Push the tubing into the plastic nut. Slowly unscrew the nut until the tubing moves into the connection. The tubing will hit bottom.

CONTROL OPERATION & LAYOUT

Large LED Display

A large 2 digit LED readout is highly visible in most installations.

Only three buttons are required to fully program the control.

Camshaft Indicator

A column of windows located on the left of the control provides a visual indicator of the camshaft rotation.

Manual Regen Button

The Manual Regen button when pressed initiates either a delayed regeneration or immediate regeneration.

Time Button

When pressed will display the current hour of day for 5 seconds. Press again to increase the hour of day by 1. Press and hold to change rapidly.

Salt Button

Press to display the current setting (HE/HC) for 5 seconds. Press again during the 5 seconds to change the setting.

Hardness Button

Press to display the hardness setting for 5 seconds. Press again during the 5 seconds to increase the setting by 1 grain per gallon. Press and hold to change rapidly.

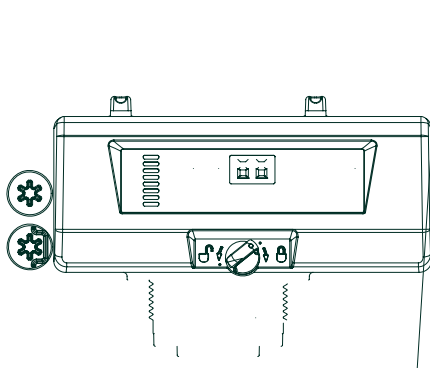
Flow Indicator

The decimal point/flow indicator blinks on and off when water flow turns the meter.

Power Loss Memory Retention


The control features battery-free Time of Day retention during loss of power. The Time will remain in memory.


NOTE: All other programmed parameters are stored in outages. Flash memory retention is 100 years



QUICK CYCLING THE CONTROL

Quick Cycling

Press and hold the  for 3 seconds to initiate an immediate regeneration. The control will cycle to the backwash cycle.

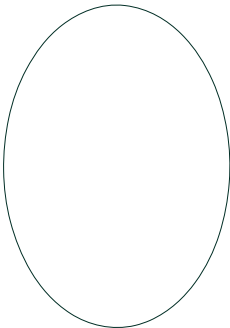
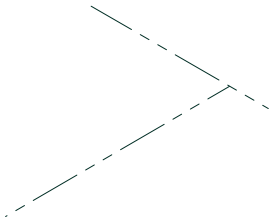
1. Press and release the 

START-UP

The conditioner will now need to be placed into operation. Please review Quick Cycling the Control procedure before attempting start-up.

DO NOT put regenerant material into the brine tank.

1. With the supply water for the system still turned off, position the bypass valve to the "not in bypass" (normal operation) position.



VALVE ASSEMBLY - 368 *continued*

Item No.	QTY	Part No.	Description	Item No.	QTY	Part No.	Description
1	1		Valve Body Assembly	6	1		Kit, Bypass Connectors (2 connectors)
		4001890	Kit, Service, Valve 368-604B, 14,WD			4001606	Kit, 3/4" BSP Connectors
		4001891	Kit, Service, Valve 368-606B, 14,WD			4001605	Kit, 3/4" NPT Connectors
		4001892	Kit, Service, Valve 368-604B, 33,WD			4000888	Kit, 1" NPT Connectors
		4001893	Kit, Service, Valve 368-606B, 33,WD			4001604	Kit, 1" BSP Connectors
		4001494	Kit, Service, Valve 368-604B, 14, NA	7	1		Kit, Drain Line Flow Control Bypass - 368
		4001495	Kit, Service, Valve 368-606B, 14, NA			4001297	#6 EXT DLFC - Bypass - BSP
		4001896	Kit, Service, Valve 368-604B, 33, NA			4001298	#7 EXT DLFC - Bypass - BSP
		4001897	Kit, Service, Valve 368-606B, 33, NA			4001299	#8 EXT DLFC - Bypass - BSP
A	1	4001260	12 Volt Motor/Optical Sensor Cable Assembly			4001300	#9 EXT DLFC - Bypass - BSP
B	1	1000269	Injector Cap Assembly			4001545	#10 EXT DLFC - Bypass - BSP
C	1		Injector/Screen Assemblies			4001284	#6 EXT DLFC - Bypass - NPT
		3026445	E Injector 6" Tank - Yellow			4001285	#7 EXT DLFC - Bypass - NPT
		3026446	F Injector 7" Tank - Peach			4001028	#8 EXT DLFC - Bypass - NPT
		3026447	G Injector 8" Tank - Tan			4001286	#9 EXT DLFC - Bypass - NPT
		3026448	H Injector 9" Tank - Lt Purple			4000887	#10 EXT DLFC - Bypass - NPT
		4000880	J Injector 10" Tank - Lt Blue	8	1	4000871	Elbow 36X Valves, 3/8 tube x 3/8 NPT (only used with bypass)
D	1		Refill Flow Control Assemblies	9	1	4000996	Drainline 90° 1/2 NPT x 1/2 Hose Barb
		1000221	Ass'y Refill Cont - 0.14 gpm	10	1		Manifold Assembly - 368
		1243510	Ass'y Refill Cont - 0.33 gpm (Required with 1030502)			3031927	3/4" BSP Adapter - Gray
		1030502	Ball, Brine-Backwash, 0.557"Dia. Required with 1243510)			4000968	3/4" NPT Manifold/Adapter
E	1	3027837	Meter Cable			4000970	3/4" BSP Adapter - Black
F	1		Valve Controller Assembly - 368			4000969	3/4" NPT Adapter - Black
		4001617	368/604B Control - NA 0.33 gpm	11	1		Kit, Drain Line Flow Control Manifold - 368 (only used with manifold)
		4001741	368/604B Control - World 0.33 gpm			3031526	#6 EXT DLFC - Manifold - BSP
		4001618	368/606B Control - NA 0.33 gpm			3031527	#7 EXT DLFC - Manifold - BSP
		4001742	368/606B Control - World 0.33 gpm			3031528	#8 EXT DLFC - Manifold - BSP
		4001739	368/604 Control - NA 0.14 gpm			3031529	#9 EXT DLFC - Manifold - BSP
		4001737	368/604 Control - World 0.14 gpm			4001303	#6 EXT DLFC - Manifold - NPT
		4001740	368/606 Control - NA 0.14 gpm			4001307	#7 EXT DLFC - Manifold - NPT
		4001738	368/606 Control - World 0.14 gpm			4001310	#8 EXT DLFC - Manifold - NPT
G	1	4001889	Valve O-ring Kit			4001313	#9 EXT DLFC - Manifold - NPT
2	1		AC Wall Mound Adapters			4000887	#10 EXT DLFC Bypass, NPT
		1000812	Australian Wall Trans - 240V	12		4000390	Bypass Clip DLFC, 360 Valve
		1000813	British Wall Trans - 240 V				
		3031517	China Wall Trans - 240V				
		1262524	Europe Cord Connect Trans - 240V				
		1000814	Europe WallTrans - 240V				
		1000810	Japan Wall Trans - 100V				
		1000811	N. Amer Wall Trans - 120V				
		1030418	N. Amer WallTrans - 230V				
		3019151	N. Amer WallTrans - 120V E EFF				
		1235448	N. Amer Outdoor Trans - 120V				
3	1	3027839	Meter Assembly				
4	1	3031825	Kit, O-ring Manifold				
5	1	4000886	368 Bypass				

TROUBLESHOOTING

604-606 Control - Error Codes

Problem	Possible Cause	Solution
Err 1 is displayed.	Program settings have been corrupted.	Press any key. If Err 1 does not clear, replace control.
Err 3 is displayed.	Control does not detect the camshaft position and is returning to the service position.	Wait until the control returns to the service position.
	Camshaft is not turning during Err 3 display.	<p>Check that motor is connected. Verify that the motor wire harness is connected to motor and controller module. Verify that optical sensor is connected and in place. Verify that motor gear has engaged the camshaft.</p> <p>If everything is connected, replace components in this order:</p> <ol style="list-style-type: none"> 1. Motor Assembly, Optical Sensor 2. Control
	Camshaft is turning more than five minutes to find Home position:	<p>Verify that optical sensor is in place and connected to wire. Inspect for debris in the camshaft slots. If motor continues to rotate indefinitely, replace the following components in this order:</p> <ol style="list-style-type: none"> 1. Motor Assembly, Optical Sensor 2. Control

System

Problem	Possible Cause	Solution
Salt tank overflow.	Loose salt line connection.	Ensure all salt line connections are tight.
	Drain line restricted with debris.	Clean drain control.
Flowing or dripping water at drain or salt line after recharge.	Debris is preventing #3 or #4 valve disc from closing.	Remove debris.
	Worn #3 or #4 valve disc.	Replace valve discs.
Hard water leakage after recharge.	Improper recharge.	Repeat recharge after making certain correct salt dosage was set.
	Leaking of external bypass valve.	Replace bypass valve.
	O-Ring around riser pipe damaged.	Replace O-ring.
Control will not draw salt.	Restricted drain line.	Remove restriction.
	Injector plugged.	Clean injector and screen.
	Debris is preventing valve discs from closing.	Remove foreign matter from valve discs.
Control will not recharge automatically.	AC adapter or motor not connected.	Connect power.
	Defective motor.	Replace motor.
	Meter clogged with debris.	Remove and clean meter.
Control recharges at wrong time of day.	Time of Day set incorrectly.	Set the correct Time of Day.
Intermittent salt draw.	Low water pressure.	Maintain a minimum of 20 psi (1.3 bar) feed.
No conditioned water after recharge.	No salt in salt tank.	Add salt to salt tank.
	Injector plugged.	Clean injector and screen.
Backwashes or purges at excessively low or high rate.	No drain line flow control.	Install drain line flow control.
	Restricted drain line.	Remove restriction.
Runs out of conditioned water between recharges.	Control improperly programmed.	Verify salt dosage.
Flow indicator on control does not display service flow.	Bypass valve in bypass position.	Remove bypass valve from bypass.
	Meter cable dislodged from valve.	Fully insert meter cable into valve.
	Meter clogged with debris.	Remove and clean meter.

SERVICE ASSEMBLIES

Valve Body Assemblies:

4001890.....	Kit, Service, Valve 368-604B, 14, World
4001891.....	Kit, Service, Valve 368-606B, 14, World
4001892.....	Kit, Service, Valve 368-604B, 33, World
4001893.....	Kit, Service, Valve 368-606B, 33, World
4001494.....	Kit, Service, Valve 368-604B, 14, N. America
4001495.....	Kit, Service, Valve 368-606B, 14, N. America
4001896.....	Kit, Service, Valve 368-604B, 33, N. America
4001897.....	Kit, Service, Valve 368-606B, 33, N. America
4001889.....	Valve O-ring Kit

Controllers:

4001617.....	368/604B Control - North America 0.33 gpm
4001618.....	368/606B Control - North America 0.33 gpm
4001739.....	368/604 Control - North America 0.14 gpm
4001740.....	368/606 Control - North America 0.14 gpm
4001741.....	368/604B Control - World 0.33 gpm
4001742.....	368/606B Control - World 0.33 gpm
4001737.....	368/604 Control - World 0.14 gpm
4001738.....	368/606 Control - World 0.14 gpm

Motors:

4001260.....	12 Volt Motor/Optical Sensor/Cable Assembly
--------------	---

Injectors:

1000269.....	Injector, Cap Assembly
3026445.....	E Injector 6" Tank - Yellow
3026446.....	F Injector 7" Tank - Peach
3026447.....	G Injector 8" Tank - Tan
3026448.....	H Injector 9" Tank - Lt Purple
4000880.....	J Injector 10" Tank - Lt Blue
1000221.....	Ass'y Refll Cont - 0.14 gpm (Required with 1030502)
1030502.....	Ass'y Refll Cont - 0.33 gpm (Required with 1243510)

Meters:

3027837.....	Meter Cable
3027839.....	Meter Assembly

Bypass/Manifold:

4000886.....	368 Bypass
3031927.....	3/4" BSP Adapter - Gray
4000968.....	3/4" NPT Manifold/Adapter
4000970.....	3/4" BSP Adapter - Black
4000969.....	3/4" NPT Adapter - Black
3031825.....	Kit, O-ring Manifold
3027832.....	Bar, Locking, SS, 360 Series
40576.....	Clip, H, Plastic

DLFC:

4001297.....	#6 EXT DLFC - Bypass - BSP
4001298.....	#7 EXT DLFC - Bypass - BSP
4001299.....	#8 EXT DLFC - Bypass - BSP
4001300.....	#9 EXT DLFC - Bypass - BSP
4001545.....	#10 EXT DLFC - Bypass - BSP
4001284.....	#6 EXT DLFC - Bypass - NPT
4001285.....	#7 EXT DLFC - Bypass - NPT
4001028.....	#8 EXT DLFC - Bypass - NPT
4001286.....	#9 EXT DLFC - Bypass - NPT
4001287.....	#10 EXT DLFC - Bypass - NPT
3031526.....	#6 EXT DLFC - Manifold - BSP
3031527.....	#7 EXT DLFC - Manifold - BSP
3031528.....	#8 EXT DLFC - Manifold - BSP
3031529.....	#9 EXT DLFC - Manifold - BSP
4001303.....	#6 EXT DLFC - Manifold - NPT
4001307.....	#7 EXT DLFC - Manifold - NPT
4001310.....	#8 EXT DLFC - Manifold - NPT
4001313.....	#9 EXT DLFC - Manifold - NPT
4000887.....	#10 EXT DLFC - Bypass - NPT
4000390.....	Bypass Clip, DLFC, 360 Valve

Fittings/Connectors:

4000871.....	Elbow 36X Valves, 3/8 Tube x 3/8 NPT (Only used w/Bypass)
4000996.....	Drainline 90°, 1/2 NPT x 1/2 Hose Barb
4001606.....	Kit, 3/4" BSP Connectors
4001605.....	Kit, 3/4" NPT Connectors
4000888.....	Kit, 1" NPT Connectors
4001604.....	Kit, 1" BSP Connectors

Power:

1000812.....	Australian Wall Trans - 240V
1000813.....	British Wall Trans - 240V
3031517.....	China Wall Trans - 240V
1262524.....	Europe Cord Connect Trans 240V
1000814.....	Europe Wall Trans - 240V
1000810.....	Japan Wall Trans - 100V
1000811.....	N. Amer Wall Trans - 120V
1030418.....	N. Amer Wall Trans - 230V
3019151.....	N. Amer Wall Trans - 120V E EFF
1235448.....	N. Amer Outdoor Trans - 120V

