



Clean Water Made Easy

www.cleanwaterstore.com

Sulfur Odor Filter 5900BT-SIDE-AIR Installation & Maintenance Guide

Thank you for purchasing a Clean Water System!

With proper installation and a little routine maintenance your system will be providing odor-free water for many years.

Please review this start-up guide entirely before beginning to install your system and follow the steps outlined for best results.

CARBON MEDIA CONTAINS DUST.

USE PAPER MASK AND VENTILATE TO AVOID BREATHING DUST.

**Minimum 30 PSI required. Maximum pressure 90 PSI.
For indoor installation. Protect from sunlight, rain, and freezing.**

Installation Video

2806-A Soquel Ave Santa Cruz CA 95062

For assistance call: 1-831-462-8500 M-F 8AM to 4PM PST

Email us: office@cleanwaterstore.com

More information online: www.cleanwaterstore.com



Air Sulfur Filter 5900BT-AIR Installation & Maintenance Guide

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Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Packing Lists

1.5 Cubic Foot Size System

Air Charger Sulfur Filter 5900BT-AIR control valve w/ bypass assembly and 1" pipe connector kit
10" x 54" standard filter tank with distributor tube
Media funnel for adding Air Charger Sulfur Filter media
1.5 cubic feet of Catalytic Carbon media
1 lb KDF Cubes (added last on top of carbon)
16 lbs. filter gravel
White Aeration balls

2.5 Cubic Foot Size System

Air Charger Sulfur Filter 5900BT-AIR control valve w/ bypass assembly and 1" pipe connector kit
External Drain Line Flow Control (for 2.5 Cubic Foot System only)
13" x 54" standard filter tank with distributor tube
Media funnel for adding Air Charger Sulfur Filter media
2.5 cubic feet of Catalytic Carbon media
2 lb KDF Cubes (added last on top of carbon)
20 lbs. filter gravel
White Aeration balls

What to Do if Your Tank Does Not Sit Level on Floor Out of the Box:

Your black filter tank base is not glued to the bottom of your tank. Occasionally tank bases will become crooked during shipment.

If you find that that your tank does not sit level on the floor, you can easily adjust it by holding the empty tank and rapping it on a concrete or solid floor once or twice to level it.

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How Your Air Charger Sulfur Filter 5900BT-AIR Works

The Sulfur 5900-BT-SIDE-AIR control valve maintains a compressed “air pocket” in the filter free space top of the tank while system is in service. As the water passes through the air pocket, iron is oxidized. Additionally, dissolved oxygen is added to the water.

The Catalytic Carbon filter media bed then removes the sulfur from the water. The backwash rinse cycle (usually done at night, every 2-4 days) will remove accumulated sediment and help keep the carbon clean.

Each night a fresh pocket of air is drawn into system to allow maximum oxidation.

Note About Aeration

The Sulfur 5900-BT-SIDE-AIR utilizes air, oxidation, and filtration for the removal of Iron. You might notice a bit of tiny air bubbles in the water for first week or so after installation and this is normal but goes away after installation.

You may also see some sputtering or slight coughing from the hot water side faucets. This is a normal phenomenon that usually occurs first thing in the morning.

Pre-Installation Notes

Review your packing list to make sure you have received all the parts before installation.

If you are going to be turning off the water to the house and you have an electric water heater, shut off the power to the water heater before beginning installation.

Pick a suitable location for your filter system on a dry level spot where it won't be exposed to freezing temperatures, direct sunlight, wind or rain.

After the system is installed and running, your water may be discolored, or full of sediment or rust, especially if you have older or corroded piping. This typically clears up over a day or two.

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Best Practices for Piping & Drain Installation

1. The Sulfur Side AIR filter is installed after the pressure tank.
2. Install on a level floor or surface.
3. Filter system must be installed at least 10 feet ahead of inlet to water heater to prevent damage due to back-up hot water or use a check valve to prevent hot water back-up.
4. DO NOT install the unit in an area of direct sunlight or expose to freezing.
5. Locate the unit near an unswitched, 120 volt / 60 Hz grounded electrical outlet.
6. Make sure to connect the IN pipe to the inlet and the OUT pipe to the outlet/
7. Make sure there is a working gate or ball valve before the 5900 Side Air Filter and also one after as shown in Fig 2. The pressure gauges are optional. A hose bib (which is a faucet that you can attach a garden hose to) is strongly recommended after the Sulfur AIR Filter and before the second ball valve, for rinsing and sampling water.
8. If you will be using copper piping, do not sweat the copper pipe directly on to the 5900 Side Air control valve. Avoid heating up the 5900 Side Air control valve plastic with the torch.
9. You do not need unions to install your Side Air control valve. If you need to remove it, the 5900 Side Air has quick-release couplings that make it easy to put the filter on by-pass and remove the filter system from the piping.
10. The drain line tubing is connected to a drain from the drain outlet using flexible poly tubing. The drain can run up above the control head to a drain, preferably not more than 6 feet above top of control valve.
11. **Most plumbing codes require an air-gap connection, so that if your sewer or septic tank backs up, it cannot cross connect with the drain tubing**

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

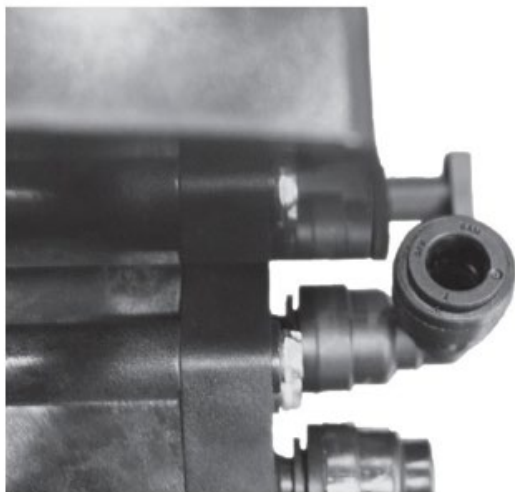
Mounting the Valve on to the Tank



1. Connect the "in and out" plumbing connections loosely. Use caution with lubricated O-rings.



2. Attach the mounting screw in the bottom before completely tightening the plumbing connections.

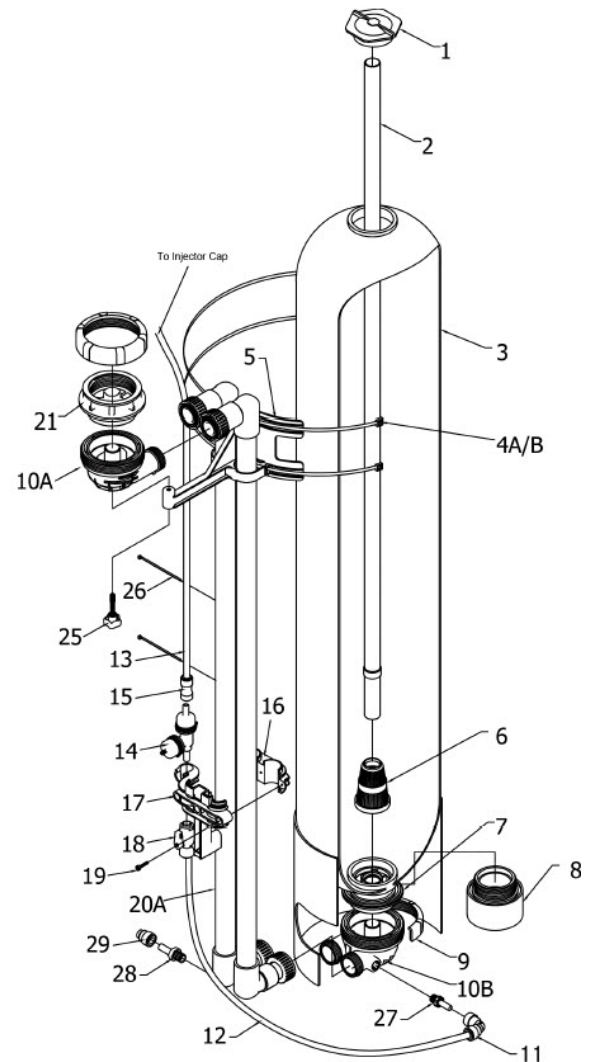


3. Attach air-intake tubing to push-lock elbow on side of control valve. Ensure that tube is pushed in beyond the O-ring, approximately 5/8".

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

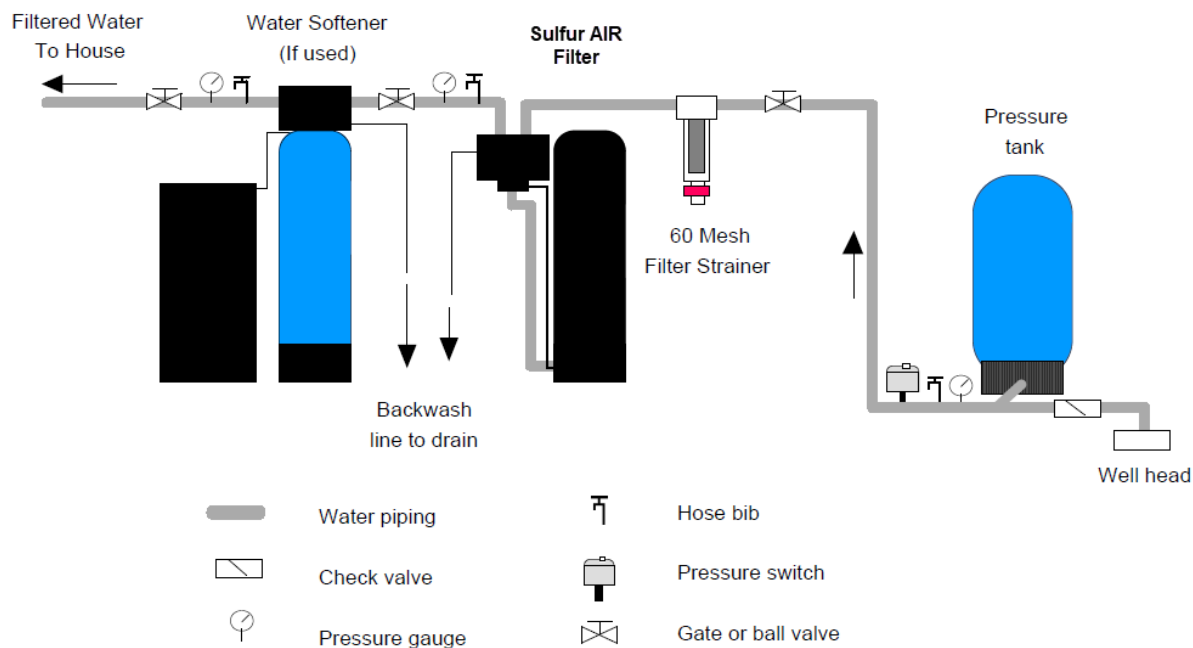
Add Media and Connect Piping

1. Make sure control valve is mounted and blue bypass valves are closed
2. Remove cap (1) and pour gravel in first, then add catalytic carbon filter media to Tank (3) followed by the KDF cubes on top of the carbon media.
3. Add the white plastic aeration balls last.
4. Make the plumbing connections from your existing system to the bypass assembly, installing extra valves, unions, pressure gauges and hose bibs as needed.
5. Assemble the side piping and attach the control head to the tank, and to the bypass assembly.
6. Install Drain Line tubing (& external flow control assembly if using model 1.5 or 2.0 CF)
7. Plug in the power supply and program the valve.
8. Follow the instructions to put the system online and to verify the system is leak-free.



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Typical installation (Note: install hose bib after Side Air)

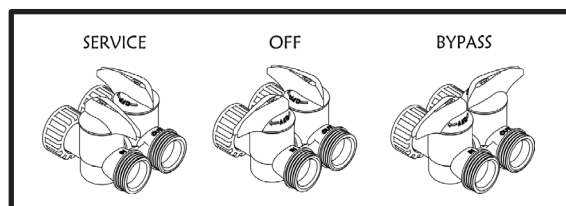


Attach the Bypass

Make sure there is lubricant on all three sets of O-rings and insert and screw bypass onto end connectors (O-rings are already on valve, with the Inlet Air Check Valve on the left, Inlet side).

Screw the Elbow fittings onto the end of the bypass and attach to In and Out service pipe.

Note: There is supposed to be some “play” in the whole assembly. No need to over-tighten.



Electrical Connections

P = Power – Use this connection for power.

B = Plug Optional Ozone in here, powered in air replenish cycle only

S = Optional, powered for entire backwash cycle.

Connect the power supply to the control valve connection P. This is connection on the outside of the valve, nearest the side or outer section of the valve. Plug into a wall outlet.



the

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Install 9V Battery (not included)

DO NOT INSTALL BATTERY UNTIL AFTER INITIAL BACKWASH! Connect 9V battery to battery cable under control panel. During power failures the battery will maintain the time of day if the battery has power. The display is turned off to conserve battery power during this time. If power failure occurs while the system is regenerating, the motor will advance to a shut-off position to prevent constant flow to drain.

Program Time of Day and Days Between Backwashes

1. Enter main menu, by pressing the Menu/Enter button (Time of day will flash)
2. Set time of day by pressing the Set/Change button (First digit will begin to flash)
3. While scrolling through numbers, it increases value.
4. To decrease the value, you will have to “go all the way around” to a lower value.
5. To change digit value, press the Set/Change button
6. To accept the digit, press the Menu/Enter button
7. With all digits flashing press the Menu Button to set A.M. or P.M.
8. Once A.M./P.M. is accepted the next menu item will flash
9. Set Days Between Backwash: Press Menu / Enter Button. This display is used to set the maximum amount of time (in days) the unit can be in service without a backwash. **This option setting is identified by the letter ‘A’ in the left digit.** Backwash will begin at the set Backwash Time. Example: **Backwash every 4 days (A - 04)**
10. To Set Regeneration Frequency Press the Set/Change Button
11. The recommended initial setting for a Side Air Sulfur filter is every 3 to 4 days
12. To Set the Number of Days between **Air-Draw Cycles**, Press the Set/Change Button
13. Set to 1 day, to regenerate the system with new air daily (recommended) **d - 01**
14. During this process, the valve will use a little bit of water to create suction to regenerate the air and will make some noise during this cycle. However, the valve will still backwash only on the days that you have programmed it to.
15. To exit menu, press the Menu/Enter button

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Program Your Valve: Master Programming Mode

1. Regeneration Time (r)

Press the Menu/Enter Button. To enter Master Programming Mode press and hold both buttons for 5 seconds. "Regeneration" refers to the backwash/air-draw/rinse cycles. The next display viewed is the option setting for Regeneration Time. It is identified by the letter 'r' in the left digit. Set the desired time of day that a regeneration may occur, when required. **We recommend setting system to backwash at 2 AM,** or when water will not be used in home. If you have 2 or more filters, make sure they are programmed to start an hour apart.

The first digit(s) indicates the Hour and the other digit indicates A.M. or P.M.

Example: 12 A.M. regeneration time - [r 12A] (factory setting)

2. Regeneration Cycle Step Programming

The next 4 displays viewed are part of series of settings used to program Regeneration Cycle.

Step 1, the air release, is not programmable, and will not be displayed for programming. The actual step takes approximately 4 ½ minutes.

Each display is used to set the duration time in minutes for that specific step in a regeneration cycle. A step # will turn on for the regeneration cycle step being programmed. Regeneration steps are *skipped* by setting the display to 0 as shown below:

Set each step according to the values below, appropriate for 5900 Side Air filter:

Step 1 Not Programmable. This is the Air Release cycle. (If using the Legacy app, displays 1 min.)

Step 2 10 minutes. This is the Backwash cycle. [2 - 10]

Step 3 5 minutes. This is a rest cycle. [3 - 05]

Step 4 20 minutes. This is the air-draw cycle. [4 - 20]

Step 5 6 minutes. This is the Rapid Rinse cycle [5 - 06]

Optional Chemical Draw for Peroxide Pressing the menu/enter button again will display the "J" value setting. Set this parameter to 00 if you do not plan to use Peroxide draw feature. The setting number equates to the number of pulses per the 20-minute period. Total chemical draw per cycle is setting #1 = 4-8oz. #2 = 8-12oz. #3 = 12-14oz. and #4 = 14-16oz. We recommend this setting be between 2-4 pulses for typical applications.

Pressing the menu/enter button again displays: "bE 1". Setting this to -00 disables blue tooth and -01 enables blue tooth setting for using the Legacy View App.

Pressing the menu/enter button again displays: bTPP and then changes to 1234. This is used for setting password protection. Press the menu/enter button, and now you are back to the home service screen (displaying the clock time and the number of days until backwash).

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See Historical Data and Real Time Flow Rate

Pressing and holding the Menu/Enter button will also access some options:

Flo- This is the flow rate, if water is running, it will display the volume, in gallons per minute.

Gt r- This the total # of gallons that has gone through the filter.

g tot- This is the same as the previous.

rC r- Number of regeneration done. **rC-** the same.

gPdL- Shows how many gallons used each day.

Gbrl- This is the gallons used between regenerations.

PfDL- This shows the peak, or highest flow rate that has passed through filter in last 24 hours.

If you “get stuck”, keep pressing the Menu/Enter button until you return to service screen.

Detailed Steps to Starting Up Your 5900 Side Air-SIDE-AIR System

1. Dry new carbon filter media has a lot of black fines or dust in it, and must be rinsed free by backwashing and rinse, which may take several backwashes.
2. MAKE SURE THE SOURCE WATER ENTERS THE INLET PIPING (IN OTHER WORDS, THAT THE SYSTEM IS PIPED IN CORRECTLY, WITH WATER INLET TO THE INLET ON THE BYPASS VALVE)
3. MAKE SURE THAT BOTH THE INLET AND OUTLET BYPASS VALVES ARE CLOSED INITIALLY
4. MAKE SURE TO CLOSE THE BALL VALVE OR GATE VALVE AFTER THE FILTER SO NO WATER CAN ENTER THE HOME DURING THIS INITIAL BACKWASH.
5. If you have any filters or softeners installed after filter system, put them on by-pass mode.
6. First, if days remaining is not already at 1, press and hold the Set/Change button.
7. Next press and hold the **Set/Change button**, until the valve begins the backwash cycle and the display reads 1 [1- 10]. This is the first cycle that starts a backwash.
8. Start to put the valve into the service position by turning the inlet bypass knob counterclockwise a little, slowly, until you can hear water passing through the bypass into the filter. Stop & wait until you see water coming out of the drain line. It will often be mixed with air.
9. When you do not see bubbles anymore, keep opening the valve, a little bit at a time, stopping for a minute or two each time. You want to see a corresponding increase in flow out of the drain line as you increase the flow of water into the filter.

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10. After several minutes, you should have the valve fully open, and with no media coming out. The water will be black, turning to gray, mostly clear water- the water does not get crystal clear in the Backwash mode (only at the end of Rapid Rinse and during Service).
11. After the backwash cycle, the filter will go into a rest for 5 minutes. After 5 minutes the next cycle, the Rinse cycle will start.
12. NOTE: To skip to next cycle or fast forward past Rest or other cycles, hold down Set/Change button for 3 seconds. Let unit do Rapid Rinse cycle & advance to "Service" position.
13. Press and hold the **Set/Change button**, until the valve begins the backwash cycle and the display reads 1 [1- 10] and start up another backwash, rest, rinse sequence. You may need to repeat this process 2 to 4 times to thoroughly clean up the filter media.
14. Next, open the outlet on the bypass valve and then open the hose bib after the system and allow the water to run until it is clear. Run water in the home using a bathtub, laundry sink, or other fixture that does not have an aerator screen as any remaining residue may get caught in the screen. Run the water in the home for 5 to 10 minutes to flush pipes.

Congratulations, you are done starting up your filter system!

Optional Peroxide Side Tank System

The peroxide side tank feature allows peroxide to be drawn during Air Draw cycle. In the Legacy View App this is referred to as “Pulse Chlorine Setting”

Peroxide has a very good effect on the catalytic carbon media, and helps keep it clean. This helps eliminate slime and rust build-up inside the filter and keeps seals and spacers cleaner. **No peroxide is added or enters into the water that enters the home.**

1. See “Regeneration Cycle Step Programming” Page 14 and make sure J-2 or J-3 is active. J-2 setting means that approximately 8 ounces (1 cup) of chlorine solution will be drawn in. Set to minimum J-2 for but could be set to J-3 to allow more chlorine solution to be drawn in.
2. Peroxide is only drawn in when the system goes through a “regeneration” or backwash-rinse cycle not on Air-Only nights.
3. Remove plug on side of 5900 Side Air valve and attach the 3/8” black tubing from side tank to the control valve.
4. Attach other end of tubing to the chlorine side tank.
5. Add 2 Gallons of distilled, softened or bottled water & 1/2 gallon 7% hydrogen peroxide to side tank. (4 parts water to 1 part bleach or peroxide)
6. Next time the Side AIR Filter does a regeneration peroxide will be drawn in during Air Draw Cycle.
7. Check side tank every 1 -2 months and add additional peroxide as needed.

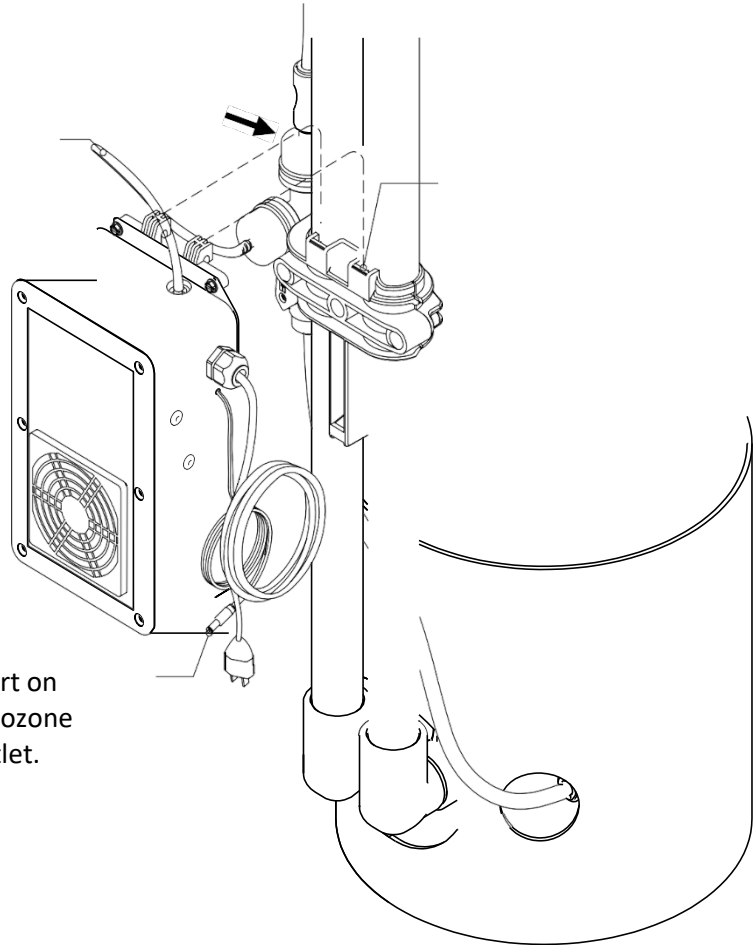
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Optional Ozone OXY-03

Hang the Ozone Complete by sliding its hooks down into Injector Bracket. No screws required.

Connect Blue Tubing

Connect plug to "B" Port on Control valve and plug ozone generator into wall outlet.



Once installation is complete, the OXY-03 will automatically activate during every air replenish cycle. No additional valve programming is necessary.



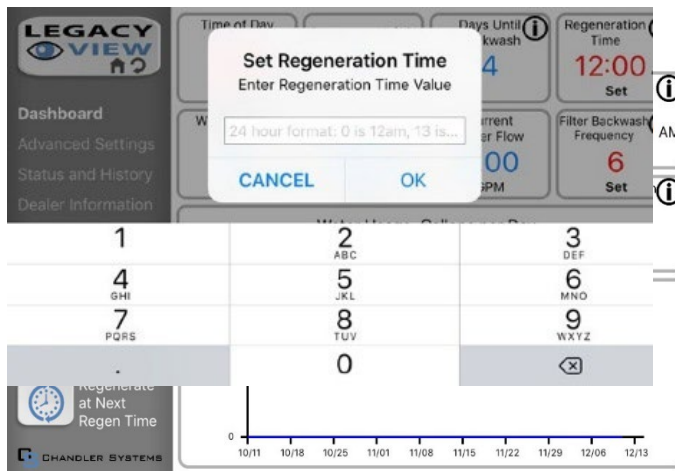
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For simplified set up and control, please install the Legacy View on a compatible Bluetooth 4.0+ enabled smart phone or tablet. Note that times and settings EXCEPT the Air Draw minutes can be set or adjusted. **Set the Air Draw minutes on the control valve, See Page 13 – 14.**

1. Download and install the Legacy View app from the Google Play Store, Apple App Store.
2. Open the Legacy View app
3. Choose a valve device at any time from the list of available devices to connect to by clicking on it (which means your 5900 Side Air control valve, or valves if you have more than one system)
4. If the valve you want to connect to doesn't show up, or there is a problem connecting press the "Scan for Devices" button or the Legacy View logo at any time to refresh the list and start the process over.
5. If the valve device is a BTLE valve and it has a password other than the default password, the first time you connect to it the app will ask you to enter the password.
6. After entering it the first time you should not need to enter it again unless it changes.
7. The control valve firmware can be updated by the App. When the app is updated from the Google Play Store or the Apple App Store, it may contain an updated firmware program for the valve devices.
8. These updates could contain new features or operational improvements. It is up to the user to allow these updates to be sent to the valve device. Uploading a new program takes approximately 1 minute.

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From the **Dashboard**, all items in **ORANGE** can be changed (except Air Draw, do that directly on the control valve, see Page 13 – 14), while blue fields are informational only.

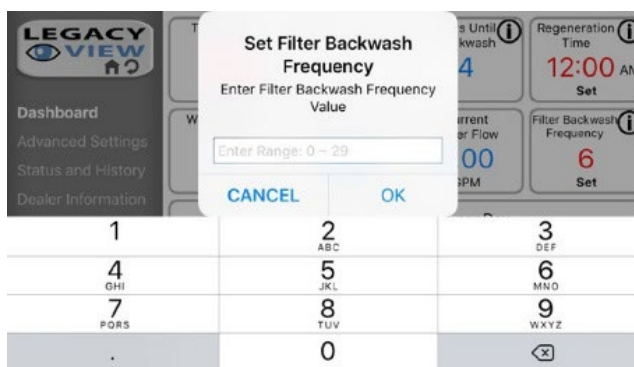
If you are unsure about the function of the field, click the Info icon for more information

1. Change Time of day (Press “set” to set time

automatically based on device time)



2.



2. Set Backwash Frequency. This sets the amount of days between backwash cycles.

3. Set Regeneration Time. Example: For 2am, just type 2 and press OK.

Legacy App Advanced Settings

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From the Advanced Settings, all items in **ORANGE** with a “set” button can be changed.



Touch any table to explode a detailed list of the last 60 days.



Status and History Using Legacy View App

From the Status and History, all items in **ORANGE** can be reset.

Start a regeneration or backwash cycle

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Option 1: Click on “Regenerate Unit Now.”

If you would like to force the unit into the next cycle step,
Click “Go to next Regeneration Step.”



Option 2: “Regenerate Unit at next Regen Time” button.
This will take the system into a backwash at the next regeneration time.



Filter System Normal Operation

Normal display alternates between time of day and days until regeneration.

Days remaining until the next regeneration will count down from the regeneration day override value to 1 day remaining. Once count reaches 1, a regeneration will be initiated at next scheduled regen time.

How to Start A Manual Backwash

1. If days remaining is not already at 1 press and hold the Set/Change button.
2. After 7 seconds the days remaining display will read: [1]
3. With days remaining at 1 press and hold the Set/Change button again.
4. After 5 seconds the regeneration cycle will begin.
5. Fast Cycling Through each Step: First complete above immediate cycle steps
6. Press and hold the Set/Change button. After 3 seconds the valve will start to advance to the next step

Sulfur Air 5900 Side Air Maintenance & Troubleshooting

No weekly or monthly maintenance is required. Replace the catalytic carbon every 3 to 6 years depending

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

on water quality and usage.

Once a year clean the air injector (see page 28) for exploded view. If you are using the chem draw feature, clean the chem draw injector

Troubleshooting Chart

SYMPTOM	PROBABLE CAUSE	CORRECTION
1. Fails to Regenerate Automatically	Power supply plugged into intermittent or dead power source	Connect to constant power source
	Improper control valve programming	Reset program settings
	Defective power supply	Replace power supply
	Defective Drive motor	Replace motor
2. Regeneration at Wrong Time	Time of day improperly set, due to power failure	Reset time of day programming and install 9-volt battery.
	Regeneration time set improperly	Reset regeneration time programming
3. Poor Water Quality	Check items listed in #1 and #2	
	Bypass valve open	Close bypass valve.
	Channeling	Check for too slow or high service flow. Check for media fouling.
	Lack of aeration in water	Program valve to draw air more frequently. Increase number of minutes in air draw cycle. Clean injection assembly and screen (instructions on page 13).
4. Loss of Water Pressure	Scaling / fouling of inlet pipe	Clean or replace pipeline. Pretreat to prevent.
	Fouled media	Clean media. Pretreat to prevent.
	Improper backwash setting	Backwash more frequently
5. Continuous Flow To Drain	Foreign material in control	Clean valve and replace pistons and seals.
	Internal control leak	Same as above.
	Valve jammed in backwash or rapid rinse position	Same as above.
	Motor stopped or jammed	Check for jammed piston. Replace piston and seals. Replace motor if motor is unresponsive.
6. Media in Service Line	Plumbed in backward	Re-plumb the system properly
	Internal leak in unit	Call dealer.
7. Media Flows to Drain	Media did not soak long enough	Re-soak the media for a longer length.
	Incorrect or missing drain flow control	Check for proper flow control (reference no. 5 on page 9). Call dealer, if problems persist.

Error Codes

There are five (5) error codes that could indicate a possible problem with the control valve:

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Error 2 - Homing slot expected. Valve will start looking for home. (Normal operation continues)

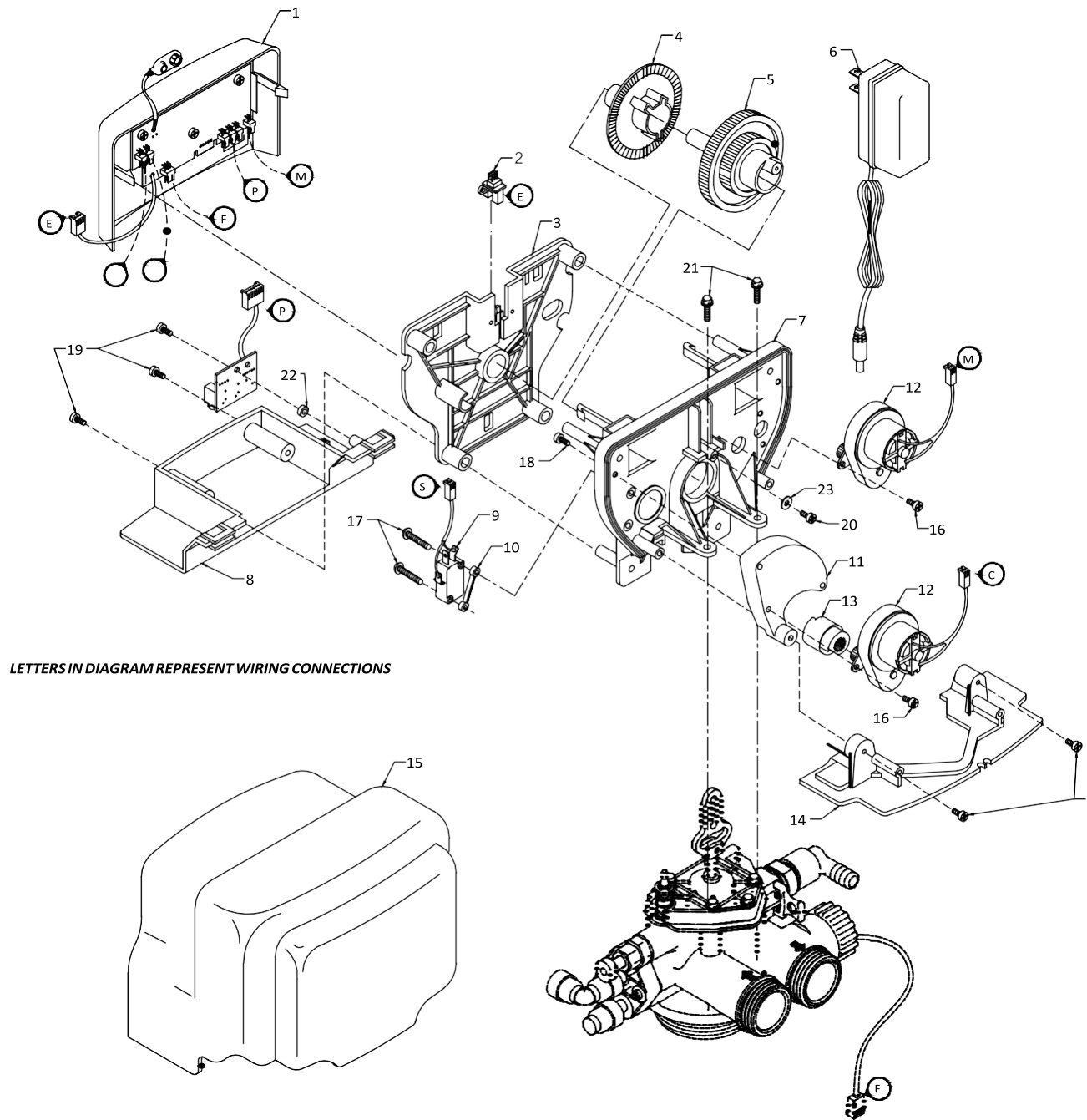
Error 3 - Encoder is not sending a signal (Either encoder chip has failed, or is not connected)

Error 4 - Unable to find homing slot (Usually because encoder chip has failed)

Error 5 - Motor overload (stalled position or shorted motor, valve requires service to continue)

Error 6 – Motor not getting power (usually means cable has disconnected from circuit board.)

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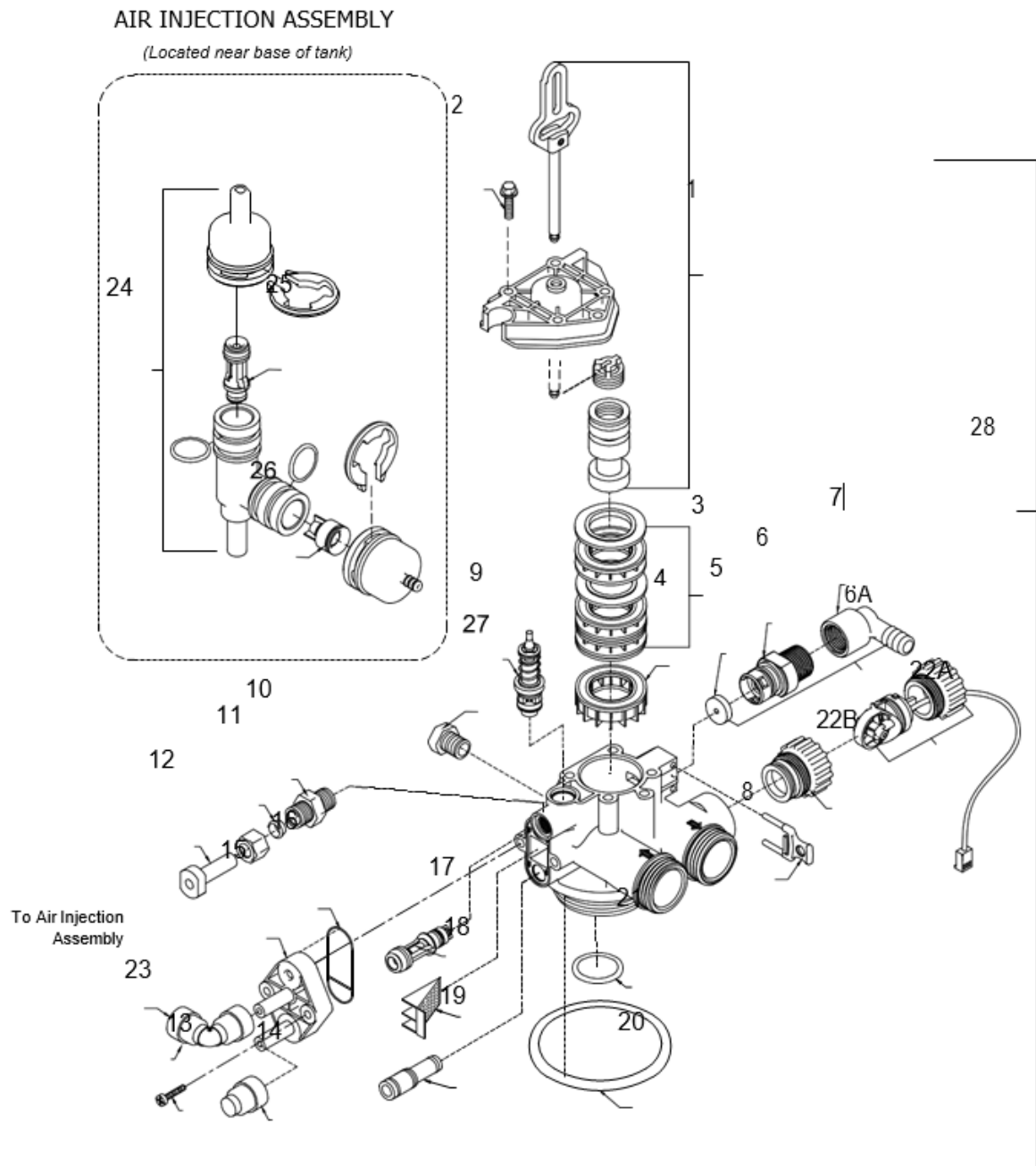
REF	DESCRIPTION	PART NO.	QTY
0	Powerhead Assy.	22015X100	1
1	Circuit Board Assy.	22015X101	1
2	Encoder	20001X124	1

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3	Front Plate	20001X004	1
4	Encoder Wheel	20001X007	1
5	Main Gear	21001X120	1
6	Power Supply	20001X125	1
7	Back Plate	20001X005	1
8	Lower Front Base For Cover	20111X002	1
9	Microswitch	20251X113	1
10	Switch Spacer	20111X004	1
11	Brine Motor Mount	20111X006	1
12	Legacy View Motor Assy.	20016X006	2
13	Brine Cam	20111X005	1
14	Lower Back Base For Cover	20111X003	1
15	Valve Cover	20111X017	1
16	6-32 X 5/16" Phillips, Pan Head	SC2	4
17	4 X 3/4" Phillips, Oval Head	SC3	2
18	6 X 1/2" Slotted, Hex Head Black	SC9	3
19	6 X 1/2" Phillips, Pan Head	SC10	3
20	6 X 1/2" Slotted, Hex Head	20001X003	1
21	10-24 X 3/4" Screw SST	20001X001	2
22	Circuit Board Washer	20111X014	1
23	6 X 1/2 Fenderwasher SST	20001X002	1

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Side Air Valve Body Assembly



Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

REF	DESCRIPTION	PART NO.	QTY
1	Piston Assembly Final Rinse	20009X231	1
2	10-24 X 3/4" Screw SST	20001X001	5
3	Seal and Spacer Kit	20561X253	1
4	End Spacer	N/S	1
5	Flow Control Button 5.0 GPM	20251X272	1
	Flow Control Button 7.0 GPM	20251X273	1
6	DLFC Housing	20017X100	1
6A	Flow Control Assy 5.0 GPM	20017X262	1
	Flow Control Assy 7.0 GPM	20017X264	1
7	Drain Line Hose Barb 90 ° Elbow	20017X266	1
8	Drain Retainer	20017X214	1
9	Brine Valve	20009X225	1
10	BLFC Assy. SST	20009X228	1
11	BLFC Ferrule 3/8"	20251X305	1
12	Plug 3/8"	20009X005	1
13	10-24 X 3/4" Screw SST	20001X226	2
14	3/8" Push Lock Plug	20009X010	1
15	Injector Cap	20009X001	1
16	Injector Seal	20001X224	1
17	Injector Assy. #1 White	20017X219	1
18	Injector Screen	20001X222	1
19	Injector Plug & O-Ring Assy	20001X217	1
20	Tank / Valve O-Ring	20561X205	1
21	Dist. O-Ring	20561X204	1
22a	Meter Assembly	20017X203	1
22b	Meter Plug w/ O-Ring	20017X201	1
23	3/8" Push Lock 90 ° Elbow	GA-Q0620626BV	1
24	Air Injector Check Assy	20017X010	1
25	Injector, White	20017X219	1
26	Check Valve	20111X011	1
27	1/4" NPT Cap	20018X035	1

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Ref	Description	Part No.	Qty
1	Tank Cap	Q-7004	1
2	Tank Distributor Tube (per foot)	33012X001	4.5
3a	10" Black Tank	31054X000	1
3b	13" Black Tank	31354X000	1
4a	10" Zip Tie	N/A	2
4b	13" Zip Tie	N/A	2
5	Tank Bracket	20015X011	1
6	Basket	33000X000	1
7	Tank Adapter	20015X008	1
8	13" Tank Extension Requires one of 20561X205 also	20015X002	1
9	Sidekick Nut	20015X007	2
10a	Upflow Body	20015X010	1
10b	Upflow Body Drilled	20015X010-D	1
11	90 Degree Push Lock Elbow	GA-Q0620626B	1
12	3/8" Brine Tubing, Blk (per ft)	57005X001	2
13	3/8" Brine Tubing, Blk (per ft)	57005X001	1
14	Air Injection Assembly	20017X010	1
15	Straight Coupler Push Lock	GA-R0620626BV	3
16	Bracket Retainer	70000X034	1
17	Sidekick Air Injection Bracket	70000X035	1
18	3/8" Push Lock Ball Valve	20015X022	1
19	Self Tapping Screw	SC11	3
20a	10" Sidekick Main Feed Assembly 44" Pipe, Left and Right	20015X200	1
20b	13" Sidekick Main Feed Assembly 44" Pipe, Left and Right	20015X201	1
21	Valve Adapter	20015X009	1
22	O-Ring	20015X012	2
23	O-Ring, dist. tube	20561X204	2
24	O-Ring, Tank	20561X205	1
25	Knob	20015X020	1
26	Black Zip Tie for 3/8" Tubing	N/A	1
27	3/8" NPT to 3/8" Push Lock Adapter Stem	GA-S0660616B	3
28	1/4" NPT to 3/8" Push Lock Adapter Stem	GA-S0660416B	1
29	3/8" Push Lock Plug	20009X005	1
Not Shown	Gravel, 10 X 54 Tank - 20 lbs.	BG20	1
	Gravel, 13 X 54 Tank - 50 lbs.	BG50	1
	Aeration Balls	63555C115	1
	Funnel	U1006	1

Air Charger Sulfur Filter 5900BT-SIDE-AIR Installation & Startup

Limited Warranty

We warrant this water filter/ softener/ conditioner, when installed according to factory recommendations, to be free from defects in materials and workmanship as follows:

-----Limited Warranty-----

This water conditioner unit is comprised of the finest industry components available. Each individual component used in the assembly of our equipment is covered by the original equipment manufacturer's warranty. All components, except those specifically listed below, are warranted for a period of one (1) year from date of installation to the original purchaser to be free of defects in materials and workmanship subject to the manufacturer's conditions and/or the conditions shown below.

-----Mineral Tanks-----

The fiberglass, polyglass or composite mineral tanks used in the assembly of this unit are warranted to be free of defects in materials and workmanship for a period of ten (10) years on 6" – 13" size tanks, and five (5) years on 14" and larger size tanks used for softener/filtration applications, subject to the manufacture's conditions and/or the conditions shown below. Warranty does not cover exposure to weather, freezing, fractures caused by external impact, or exposure to vacuum.

-----Control Valves-----

The CWS control valve is warranted to be free of defects in materials and workmanship for a period or seven (7) years, subject to the manufacturer's conditions and/or the conditions shown below.

-----Conditions-----

1. This warranty only covers water conditioners installed for residential use. Water conditioners installed for commercial or industrial applications are guaranteed for one (1) year from the date of installation.
2. Installation must be made in accordance with legal or local codes and manufacturer's recommendations.
3. Failure must not result from exposure to weather, rodents, misuse, alteration, fire, lightning, power surges or neglect.
4. Water pressure must not exceed 100 PSI and water temperature must not exceed 100 degrees.
5. Subject to the above terms and conditions we will replace and/or repair, at our option, any parts of the water conditioner found defective in materials and workmanship. Defective parts must be returned, freight pre-paid for repair or replacement.
6. This warranty does not cover labor, shipping charges, damages caused by delays of consequential damages or other causes beyond our control. Warranty does not cover pipes, fixtures or appliances. Warranty extends to the actual water conditioner components only.
7. This warranty is to the original purchaser and is not transferable after the third year to any subsequent owner(s).
8. No other guarantees or warranty, expressed or implied, is applicable to our product. No repair or replacement made under the terms of the warranty shall extend this warranty.