



Installing Water Softener Clack WS1

Presented by
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GLASS WATER SYSTEMS WS1
INSTALLATION

Purchasing Installation Materials

This can be done before the unit arrives. This list is broken down for either a customer using copper or pvc pipe. Therefore, the list will vary depending on your plumbing material that you use for the connection. Also, this list may be added to and is based on installing the unit on 1" plumbing. If you are installing on 3/4" plumbing just substitute this for 1". The same applies for if you are using CPVC, Sch 80, or PVC. This is strictly a guide and you can purchase less or more of the supplies depending on your situation. Always feel free to call us with any questions about installation at **1-877-345-2770**

PVC installation:

1. 20' – 40' 1" PVC pipe
2. 20' – 60' 1/2" PVC pipe or 5/8" Poly Tubing
3. 10 - 1" 90s PVC
4. 4 - 1" 45s PVC
5. 5- 1" Couplings PVC
6. 2 – 1" Tees (Optional for Hard Water Faucet)
7. 2- 1" x 3/4" Slip x Thr Bushing
8. 1- 3/4" Hose Bibb
9. 1-1" Ball Valve (Optional for shut-off on entire system)
10. 2- 1/2" PVC Female Adapter
11. 10 – 1/2" 90s PVC
12. 5 – 1/2" Couplings PVC
13. Rain & Shine Glue / CPVC Glue
14. Pipe Cleaner
15. Teflon Tape

If you have additional items you would recommend please call us – improvement and customer satisfaction is our goal.

Copper installation:

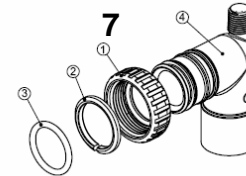
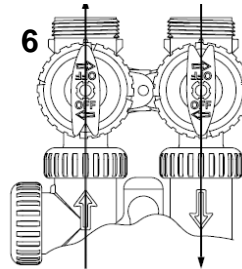
1. 10' – 20' 1" L hard copper pipe
2. 20' – 60' 1/2" PVC pipe or 5/8" Poly Tubing
3. 6 - 1" 90s Copper
4. 2 - 1" 45s Copper
5. 5- 1" Couplings Copper
6. 2 – 1" Tees (Optional for Hard Water Faucet)
7. 2- 1" x 3/4" Slip x Thr Bushing
8. 1- 3/4" Hose Bibb
9. 1-1" Ball Valve (Optional for shut-off on entire system)
10. 2- 1/2" PVC Female Adapter
11. 10 – 1/2" 90s PVC
12. 5 – 1/2" Couplings PVC
13. Lead Free Solder
14. Flux and Brush
15. Sand Cloth

If you have additional items you would recommend please call us – improvement and customer satisfaction is our goal.

Inventory Contents

It is probably the most important thing to do the day your receive your package. This unit will either be drop shipped from our main supply warehouse in Florida or from our numerous nation wide suppliers. We use this method to keep the cost of shipping low for the customers. The unit may come in numerous packages. The Glass Water Systems representative will inform you of the number of packages. Also, you need to keep all packages if the unit is damaged in shipping and call us immediately. We need this to file a claim with the shipping company.

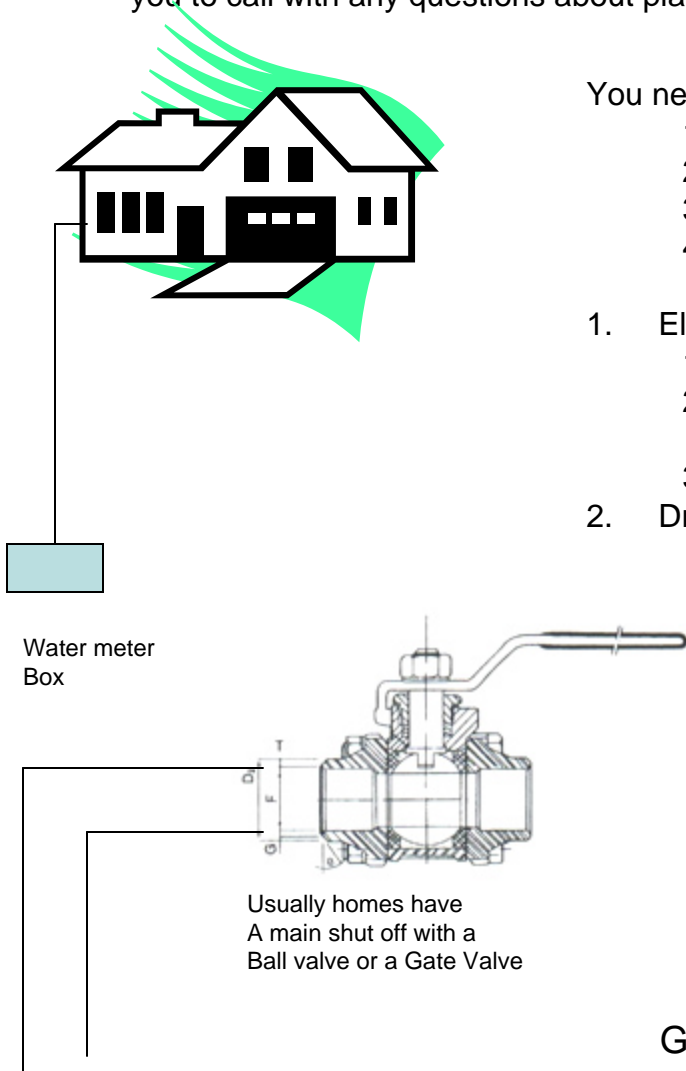
1. 1- Fiberglass Media Tank (8x44, 9x48, 10x47,12x52)
depends on the system you order
2. Distributor Tube and Basket
3. High Capacity Resin-
 1. 24K Unit = $\frac{3}{4}$ Cu Ft Bag
 2. 32K Unit = 1 Cu Ft Bag
 3. 40K Unit = 1-1/4 Cu Ft Bag
 4. 48K Unit = 1-1/2 Cu Ft Bag
 5. 64K Unit = 2 Cu Ft Bag
4. Gravel (Optional)
5. WS 1 Control Valve
6. Bypass
 1. $\frac{3}{4}$ " / 1" PVC Solvent
 2. 1" Male
 3. 1" Brass
 4. $\frac{3}{4}$ " Brass
7. Installation Fitting Assemblies
 1. $\frac{3}{4}$ " / 1" PVC Solvent
 2. 1" Male
 3. 1" Brass
 4. $\frac{3}{4}$ " Brass
8. Brine Tank
9. 3/8" Brine Line



NOT ALL ITEMS ARE SHOWN
GLASS WATER SYSTEMS WS1
INSTALLATION

Determining where to install the unit

This is the portion where you decide where to install your water softener. You need to make sure that you follow your local plumbing codes. This information will serve as a guide to help you with this process. We encourage you to call with any questions about placement **1-877-345-2770**.

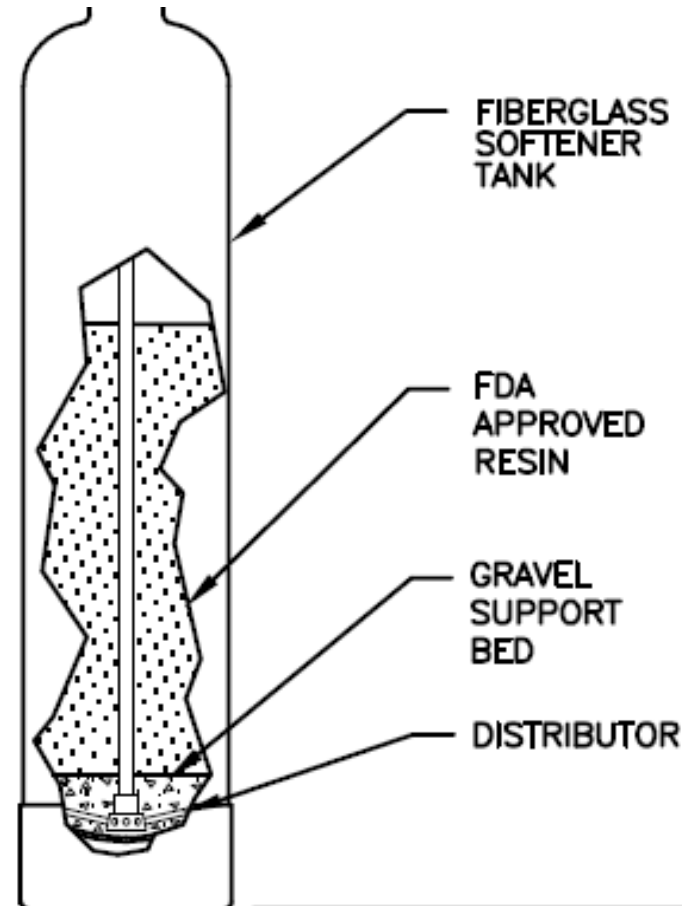


You need to first find the main coming into your home.

1. Locate your water meter
 2. This is usually the side of the house it comes in on
 3. Most Homes have a L shaped pipe going into the side of the home.
 4. Once you have found this you need to dig down and locate the pipe to tie into.
1. Electric
 1. Try and find an outside socket.
 2. If you have to run a further distance than you have cord – you can slice in and extend the line.
 3. You can also drill a hole through the wall and fish it through.
 2. Drain
 1. You can either use a sink, an outside drain, or dig a hole approximately 24-36" and fill with rock. The hole needs to be about 12-18" in diameter

BEDDING THE UNIT AND PREPARING FOR INSTALLATION

1. Put the Distributor Tube into the tank and tape the opening of the pipe. You cannot get resin or gravel inside the distributor tube.
2. Get a bucket 5 gallon type and cut a hole that will fit over the tank – Tape the Sides. Or use the funnel provided with the package (optional)
3. Fill the tank with the large gravel first and then the fine gravel. You may have no gravel or just one bag of gravel. If you do not have gravel do not worry about it.
4. Put the $\frac{3}{4}$, 1, 1.25, 1.5, or 2 Cu Ft of Resin in the tank
5. Remove the tape
6. Clean the threads of any resin etc. This will possibly make the valve not seat correctly
7. Take the Valve and screw back on the tank – be careful not to cross-thread the tank. We usually go backwards until it locks in and then tighten it down.
8. After you have the valve on take it and place it where you want it.

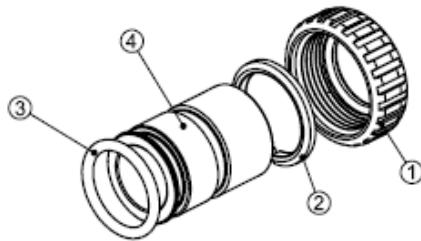


Installing the Inlet / Outlet

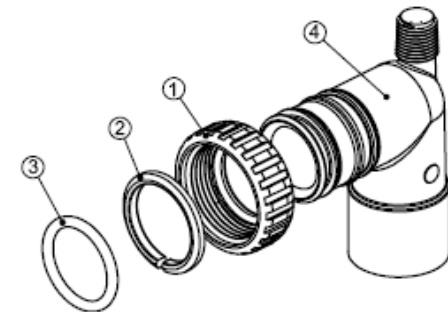
1. Find the main line to your home to install the inlet and outlet. This is usually located on the same side of the house as your water meter.
2. Once you have found the main line you need to cut it and install 2 90s.
3. Turn your water off at the meter or main shut off to the house. This has to be prior to where you are installing the water softener
4. The first 90 will be the inlet to the water softener. You need sweat or glue this fitting.
5. Run the pipe (copper or pvc) up to the sweat copper fitting (a) or pvc fitting (b). The sweat fitting will require you use another 90 to put into the copper fitting adapter.
6. You need to either glue or sweat the fitting before connection to the fitting on the bypass
7. The brass connection fitting that has to be sweat or glued is item 4 in both drawing below.
8. Once you have done this you will follow the procedures on installing the fitting adapters. These are items a and b.

a.

Drawing No.	Order No.	Description	Quantity
1	V3151	WS1 Nut 1" Quick Connect	2
2	V3150	WS1 Split Ring	2
3	V3105	O-Ring 215	2
4	V3188	WS1 Fitting 1 Brass Sweat	2



Drawing No.	Order No.	Description	Quantity
1	V3151	WS1 Nut 1" Quick Connect	2
2	V3150	WS1 Split Ring	2
3	V3105	O-Ring 215	2
4	V3189	WS1 Fitting 1/2" PVC Solvent 90	2



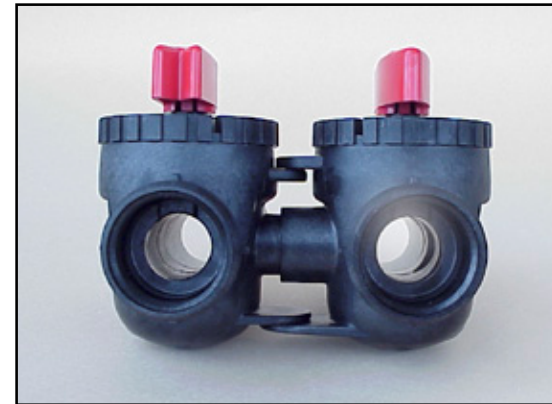
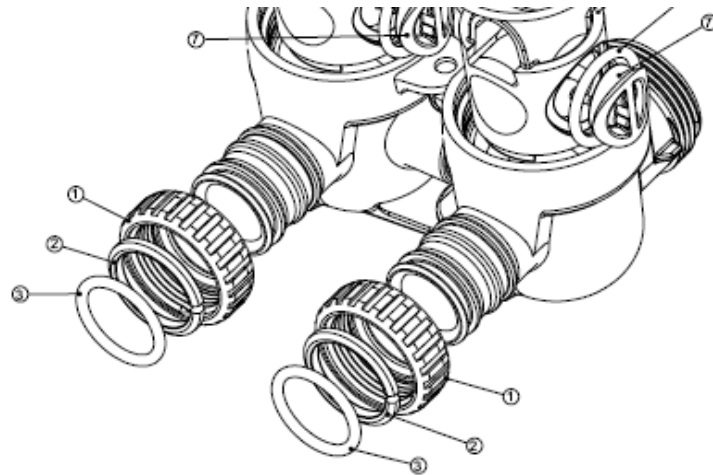
GLASS WATER SYSTEMS WS1
INSTALLATION

Installation of Fitting Assemblies

1. The installation fittings connect to the control valve or the bypass valve using nuts that only require hand tightening. Hand tighten nut connections between control valve and installation fittings, control valve and bypass valve, and bypass valve and installation fittings allow for easy serviceability. Do not use a pipe wrench to tighten nuts on installation fittings. Hand tighten only.
2. Split ring retainer design holds the nut on and allows load to be spread over the entire nut surface area reducing the chance for leakage. The split ring design, incorporated into the installation fittings allows approximately 2 degrees off axis alignment to the plumbing system. The installation fittings are designed to accommodate minor plumbing misalignments but are not designed to support the weight of a system or the plumbing.
3. When assembling the installation fitting package, connect the fitting to the plumbing system first and then attach the nut, split ring and o-ring. Heat from soldering or solvent cements may damage the nut, split ring or o-ring. Solder joints should be cool and solvent cements should be set before installing the nut, split ring and o-ring. Avoid getting primer and solvent cement on any part of the o-rings, split rings, bypass valve or control valve. Solvent cements and primers should be used in accordance with the manufacturer's instructions.
4. Slip the nut onto the fitting first, then the split ring second and the o-ring last. Hand tighten the nut. If the fitting is leaking tightening the nut will not stop the leak. Remove the nut, remove the fitting, and check for damage or misalignment of the o-ring.
5. Do not use pipe dope or other sealant on threads. Teflon tape must be used on the threads of the 1. NPT elbow and the ¼. NPT connection and on the threads for the drain line connection. Teflon tape is not necessary on the nut connection or caps because of o-ring seals.
6. Do not use Vaseline, oils, or other unacceptable lubricants on o-rings. A silicon lubricant may be used on black o-rings.

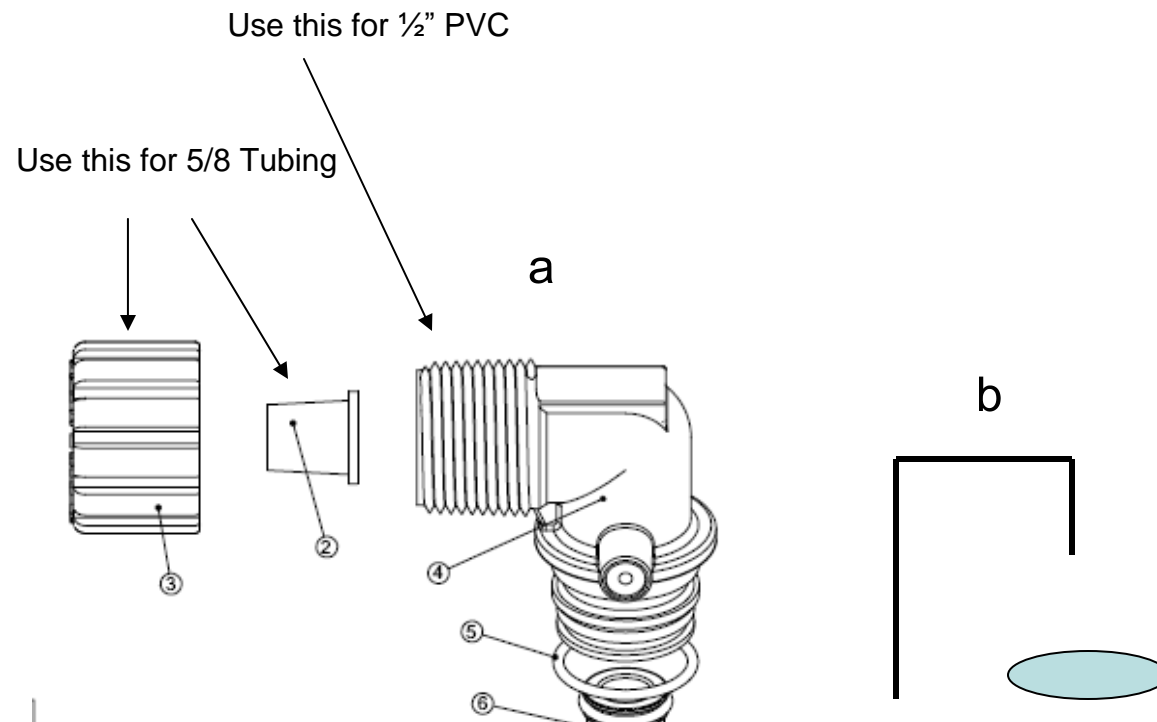
Installation of Bypass Valve

1. The bypass valve easily connects to the control valve body using nuts that only require hand tightening. Hand tighten nut connections between control valve and fittings, control valve and bypass valve, and bypass valve and installation fittings allow for easy serviceability. The split ring retainer design holds the nut on and allows load to be spread over the entire nut surface area reducing the chance for leakage. The split ring design, incorporated into the bypass, allows approximately 2 degrees off axis alignment to the plumbing system. The bypass is designed to accommodate minor plumbing misalignments but is not designed to support the weight of a system or the plumbing.
2. Avoid getting primer and solvent cements on any part of the o-rings or split rings, bypass valve or control valve. Do not use pipe dope or other sealant on threads. Teflon tape is not necessary on the caps because of o-ring seals.
3. Do not use Vaseline, oils, or other unacceptable lubricants on o-rings. A silicon lubricant may be used on black o-rings.
4. As you can see below the bypass fittings are the same as the fitting assemblies



Install Drain Line

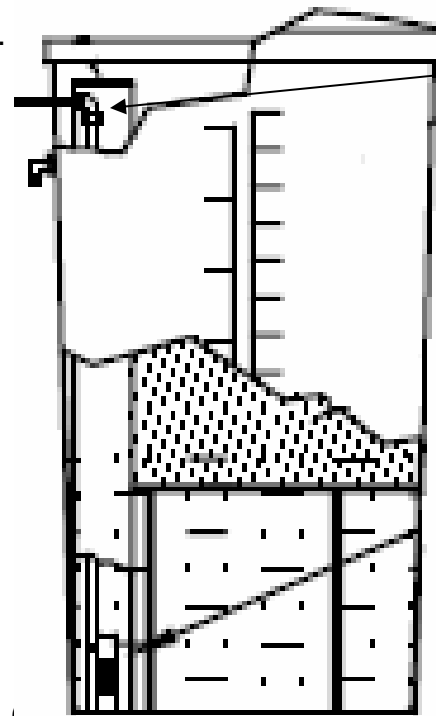
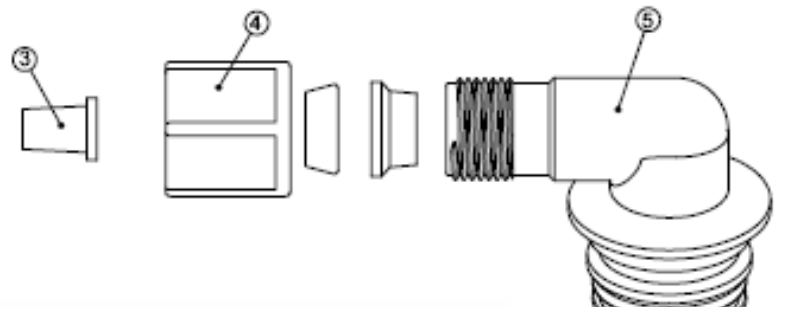
1. The drain line (figure a) can be plumbed in either ½" PVC (which I recommend) or 5/8 Tubing
2. If you use ½" PVC you need to get a female adapter. Use teflon tape on this and screw the female adapter in.
3. You now need to run your drain line into either a septic or sewer line. You can also run the line to a floor drain. If you run it to a floor drain you need to leave an air gap as show in figure b. Another option is to make a surface drain.
4. A surface is basically a 3' foot hole filled with large rock.



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INSTALLATION

Installing Brine Line on Brine Tank

1. As show below is the brine line fitting on the control valve.
2. Put the nut (item 4) onto the 3/8" Brine Line
3. Take item 3 the insert and put into the 3/8" brine line (Item 3)
4. Push the 3/8" line into the Item 5 and hand tighten the nut (Item 4)
5. Take the other end and install into the brine tank the same way.

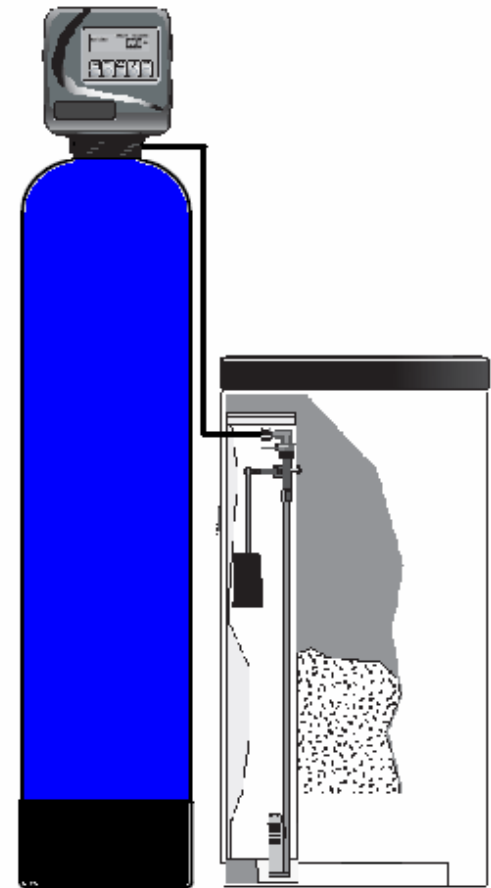


Install the other end of the 3/8" Tubing and hand tighten

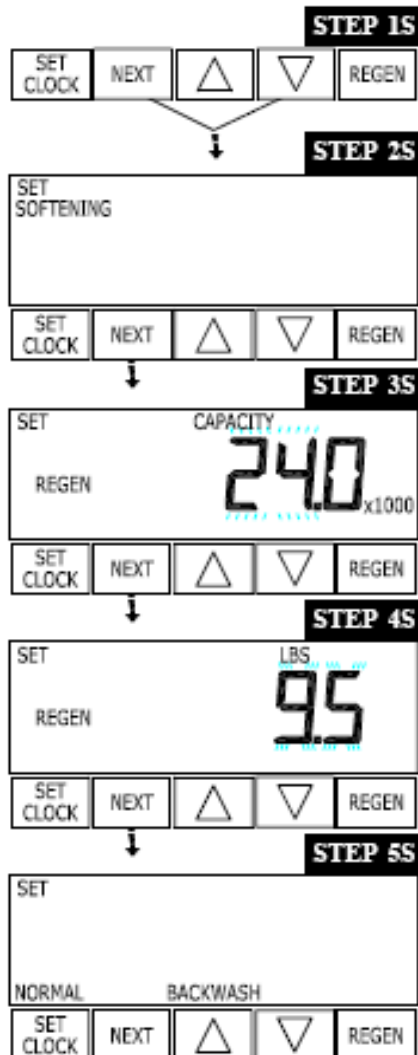
INSTALLATION

Starting up the system

1. Once all this is installed – let the glue dry
2. **CHECK FOR LEAKS**
3. Open the inlet side valve and slowly let water in
4. Once pressurized open the outlet valve
5. Go inside and start running your hot water – this will let you have immediate soft water
6. Once you have done that follow the instruction on page 17 – 19 for setting up the valve.
7. After doing the instructions go ahead and hit regenerate and let the water softener completely go through all the cycles.
8. Please call us with any questions 1-877-345-2770



Starting Up System-Cont.



This is a quick reference setup procedure. See OEM Softener System Setup Detail for more information on available settings.

STEP 1S – Press NEXT and ∇ buttons simultaneously for 3 seconds. If screen in step 2S does not appear in 5 seconds the lock on the valve is activated. To unlock press ∇ , NEXT, Δ , and SET CLOCK in sequence, then press NEXT and ∇ simultaneously for 3 seconds.

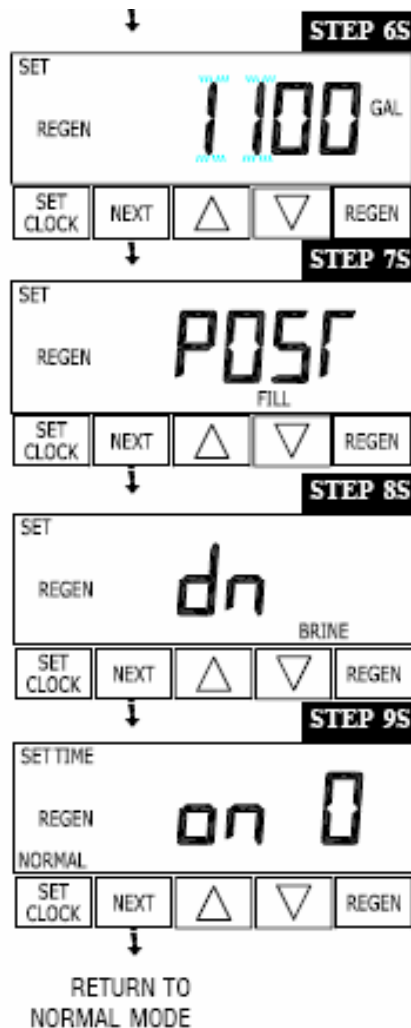
STEP 2S – Choose Softening using ∇ or Δ buttons. Press NEXT to go to Step 3S. Press REGEN to exit OEM Softener System Setup.

STEP 3S – Enter the ion exchange capacity in grains of hardness as calcium carbonate for the system based on test data using ∇ or Δ buttons. Press NEXT to go to Step 4S. Press REGEN to return to previous step.

STEP 4S – Enter the pounds of salt per regeneration using ∇ or Δ buttons. Press NEXT to go to Step 5S. Press REGEN to return to previous step.

STEP 5S – Backwash: Select “NORMAL” or “LONGER” using ∇ or Δ buttons. See Tables 4 or 5 for backwash times. Press NEXT to go to Step 6S. Press REGEN to return to previous step.

Starting Up System-Cont.



STEP 6S – Set Gallons Capacity using ∇ or Δ buttons:

- “AUTO” (reserve capacity automatically estimated and gallons capacity automatically calculated from grains capacity and water hardness);
- “oFF” (regeneration based on day override); or
- number of gallons (20 to 50,000).

See Table 12 for more detail. Press NEXT to go to Step 7S. Press REGEN to return to previous step.

STEP 7S – Set Refill option using ∇ or Δ buttons:

- “PoST” to refill the brine tank after the final rinse; or
- “PrE” to refill the brine tank two hours before the regeneration time set.

Press NEXT to go to Step 8S. Press REGEN to return to previous step.

STEP 8S – Set regenerant down flow or up flow using ∇ or Δ buttons:

- “dn” if the regenerant is to flow downward through the media; or
- “UP” if the regenerant is to flow upward through the media.

Press NEXT to go to Step 9S. Press REGEN to return to previous step.

STEP 9S – Set Regeneration Time Option using ∇ or Δ buttons:

- “NORMAL” means regeneration will occur at the preset time;
- “on 0” means regeneration will occur immediately when the gallons capacity reaches 0 (zero); or
- “NORMAL + on 0” means regeneration will occur at one of the following:
 - the preset time when the gallons capacity falls below the reserve or the specified number of days between regenerations is reached whichever comes first; or
 - immediately after 10 minutes of no water usage when the gallon capacity reaches 0 (zero).

See Table 12 for more detail. Press NEXT to exit OEM Softener System Setup. Press REGEN to return to previous step. To lock settings press ∇, NEXT, Δ, and SET CLOCK in sequence.

Starting Up System-Cont.

Gallons Capacity	Regeneration Time Option	Day Override	Result ¹⁰
AUTO	NORMAL	oFF	Reserve capacity automatically estimated. Regeneration occurs when gallons capacity falls below the reserve capacity at the next Regen Set Time.
AUTO	NORMAL	Any number	Reserve capacity automatically estimated. Regeneration occurs at the next Regen Set Time when gallons capacity falls below the reserve capacity or the specified number of days between regenerations is reached.
Any number	NORMAL	oFF	Reserve capacity <u>not</u> automatically estimated. Regeneration occurs at the next Regen Set Time when gallons capacity reaches 0.
oFF	NORMAL	Any number	Reserve capacity <u>not</u> automatically estimated. Regeneration occurs at the next Regen Set Time when the specified number of days between regenerations is reached.
Any number	NORMAL	Any number	Reserve capacity <u>not</u> automatically estimated. Regeneration occurs at the next Regen Set Time when gallons capacity reaches 0 or the specified number of days between regenerations is reached.
AUTO	On O	oFF	Reserve capacity not automatically estimated. Regeneration occurs immediately when gallons capacity reaches 0. Time of regeneration will not be allowed to be set because regeneration will always occur when gallons capacity reaches 0.

Starting Up System-Cont.

Any number	On 0	oFF	Reserve capacity <u>not</u> automatically estimated. Regeneration occurs immediately when gallons capacity reaches 0. Time of regeneration will not be allowed to be set because regeneration will always occur on 0.
AUTO	NORMAL on 0	oFF	Reserve capacity automatically estimated. Regeneration occurs when gallons capacity falls below the reserve capacity at the next Regen Set Time or regeneration occurs immediately after 10 minutes of no water usage when gallon capacity reaches 0.
AUTO	NORMAL on 0	Any number	Reserve capacity automatically estimated. Regeneration occurs at the next Regen Set Time when gallons capacity falls below the reserve capacity or the specified number of days between regenerations is reached or regeneration occurs immediately after 10 minutes of no water usage when gallon capacity reaches 0.
Any number	NORMAL on 0	Any number	Reserve capacity <u>not</u> automatically estimated. Regeneration occurs at the next Regen Set Time when the specified number of days between regenerations is reached or regeneration occurs immediately after 10 minutes of no water usage when gallon capacity reaches 0.

Starting Up System-Cont.

STEP 1S – Press NEXT and ▽ simultaneously for 3 seconds. If screen in step 2S does not appear in 5 seconds the lock on the valve is activated. To unlock press ▽, NEXT, Δ, and SET CLOCK in sequence, then press NEXT and ▽ simultaneously for 3 seconds.

STEP 2S - Softening or Filtering: First the OEM must set the valve for use as a softener. Press ▽ or Δ to choose softening. Press NEXT to go to Step 3S. Press REGEN to exit OEM Softener System Setup.

STEP 3S – Grains Capacity: Enter the ion exchange capacity in grains of hardness as calcium carbonate for the system based on the pounds of salt that will be set in the next step. The allowable range varies from 5,000 to 200,000 grains.¹¹ The increment increase is 500 for the range from 5000 to 30,000; 1000 for the range of 30,000 to 100,000; and 2000 for the range of 100,000 to 200,000. Press NEXT to go to Step 4S. Press REGEN to return to previous step.

STEP 4S – Pounds Salt: Enter the pounds of salt per regeneration. The range varies from a low of 0.8 to a high of 117. Press NEXT to go to Step 5S. Press REGEN to return to previous step.

STEP 5S – Backwash: Select “NORMAL” or “LONGER”. Selection effects the length of all backwashes. The actual duration of backwash automatically increases with higher salt dosages (see Tables 4 and 5 for additional details). Press NEXT to go to Step 6S. Press REGEN to return to previous step.

Starting Up System-Cont.

STEP 6S – Gallons Capacity: If value is set to:

- “AUTO” gallon capacity will be automatically calculated and reserve capacity will be automatically estimated;
- “oFF” regeneration will be based solely on the day override set (see Installer Display/Settings step 3D); or
- as a number (allowable range 20 to 50,000) regeneration initiation will be based off the value specified.

Increment increase is 20 for the range of 20 to 1000; 50 for the range of 1000 to 10,000 and 100 for the range of 10,000 to 50,000. If “oFF” or a number is used, hardness display will not be allowed to be set in Installer displays/settings.¹² See Table 12 for more detail. Press NEXT to go to Step 7S. Press REGEN to return to previous step.

STEP 7S – Refill: Select “PoST” to refill the brine tank after the final rinse or select “PrE” to refill the brine tank two hours before the regeneration time set. Press NEXT to go to Step 8S. Press REGEN to return to previous step.

STEP 8S – Down flow or up flow: Select “dn” if the regenerant is to flow downward through the media. Select “UP” if the regenerant is to flow upward through the media.¹³ Press NEXT to go to Step 9S. Press REGEN to return to previous step.

STEP 9S – Regeneration Time Option: Three choices for settings are available “NORMAL”, “on 0” and “NORMAL + on 0”. See Table 12 for more detail. Press NEXT to exit OEM Softener System Setup. Press REGEN to return to previous step. To lock settings press ∇ , NEXT, Δ , and SET CLOCK in sequence.

¹¹ Grains of capacity is affected by the salt dose setting. The capacity for that salt dosage should be confirmed by OEM testing. The capacity and hardness levels entered are used to automatically calculate reserve capacity when gallon capacity is set to AUTO.

¹² It is suggested the “AUTO” setting be used in order to insure a proper reserve capacity.

¹³ Check to insure the main piston and injector location correspond to the down flow or up flow selection. For “dn” the main piston is entirely black and the injector is in the hole labeled “dn”. For “UP” the main piston is gray and black and the injector is in the hole labeled “UP”. The color of the piston can be viewed by shining a flashlight through the drain port.

User Screens: Time of day, Gallons/Days Remaining

Regeneration screen:



Displays time remaining in current regeneration cycle

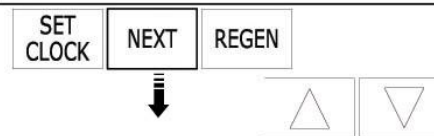
Set clock:



- Press SET CLOCK



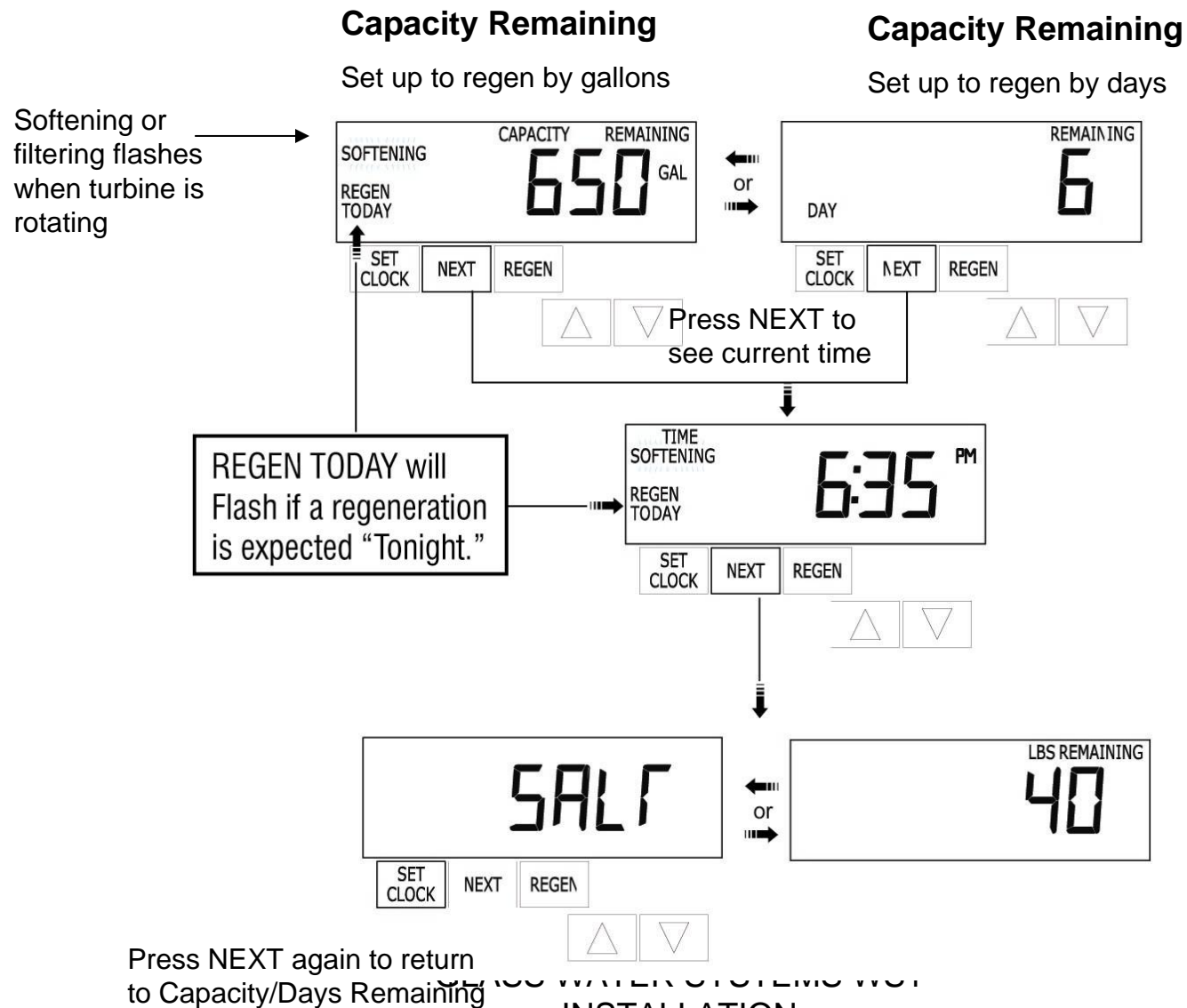
- Adjust hours with up/down arrows
- Press NEXT



- Adjust minutes with up/down arrows
- Press NEXT to return to normal operation

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INSTALLATION

User Screens: Time of day, Gallons/Days Remaining



User Screens: Time of day, Gallons/Days Remaining

Button Functions:



Set time

“Escapes” and saves changes in programming modes



Toggles between capacity, time, and pounds of salt

Move to the next display in programming mode



Change variable being displayed in programming mode



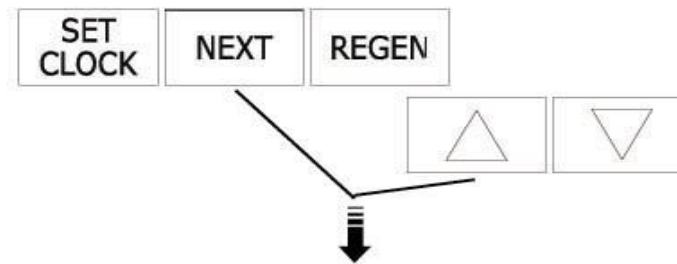
Toggles scheduled regen on/off

Hold for more than 3 seconds starts immediate regen

Backs up 1 step in programming mode

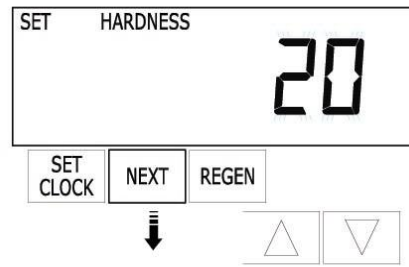
Installer Screens: Hardness, Day override, Time of regeneration

Installer screens are accessed by pressing NEXT and the UP arrow



Installer Screens: Hardness, Day override, Time of regeneration

SET CLOCK
saves changes and “escapes” to
normal operation
from any
programming
screen



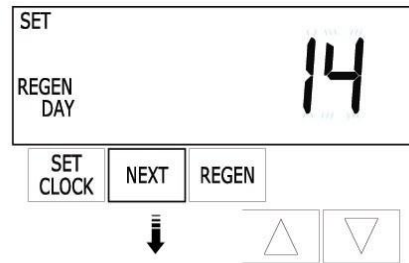
SET HARDNESS

20

SET CLOCK NEXT REGEN

△ ▽

- HARDNESS: Adjustable from 1-150 grains. Default is 20



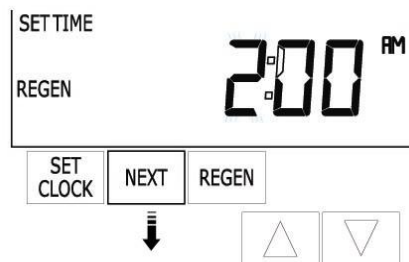
SET REGEN DAY

14

SET CLOCK NEXT REGEN

△ ▽

- Press NEXT
- DAY OVERRIDE: Off or 0-28 days. Default is 14



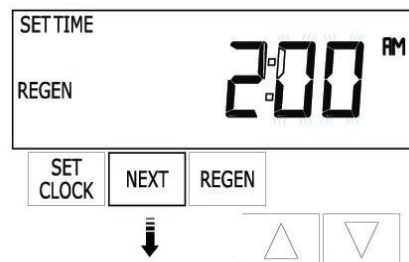
SET TIME REGEN

2:00 PM

SET CLOCK NEXT REGEN

△ ▽

- Press NEXT
- TIME OF REGENERATION: Set hours. Default is 2 a.m. (If “on 0” is set in set up, regen will be immediate if total capacity is exhausted, and --:-- will be displayed.)



SET TIME REGEN

2:00 PM

SET CLOCK NEXT REGEN

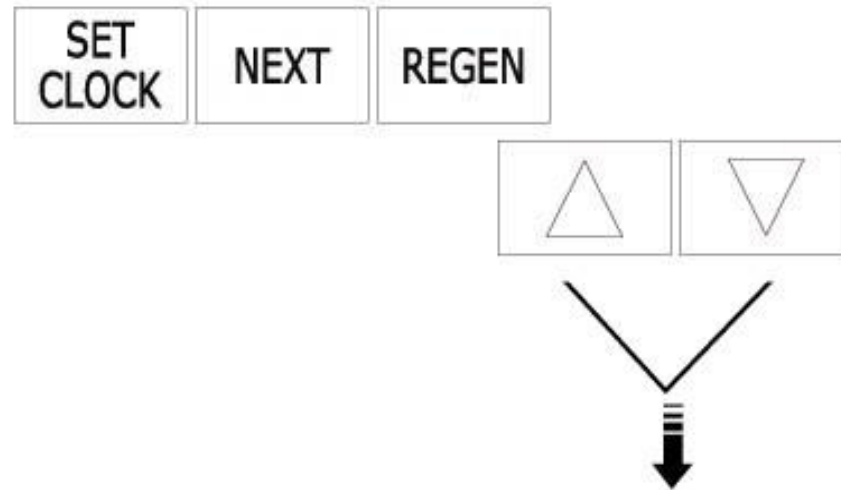
△ ▽

- Press NEXT
- Set minutes

• Press NEXT to return to normal mode
TER SYSTEMS WS1
STALLATION

Diagnostic Screens

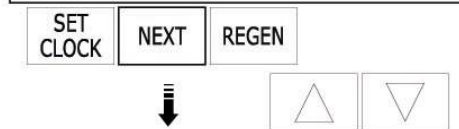
System set up screens are accessed by pressing UP and DOWN for 3 seconds.



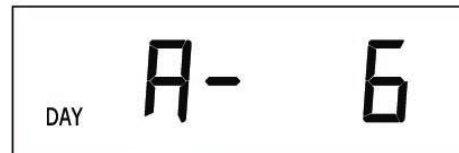
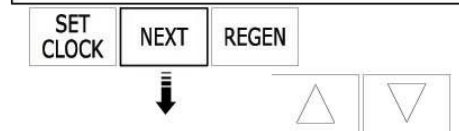
Diagnostic Screens



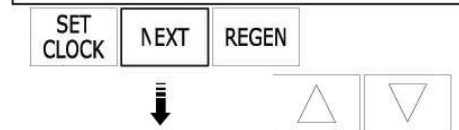
- Days since last regeneration.
- Press NEXT



- Gallons since last regeneration
- Press NEXT



- Reserve history: Use arrows to select a day (0=today, 1=yesterday, 6=6 days ago)
Automatically toggles
- Press NEXT



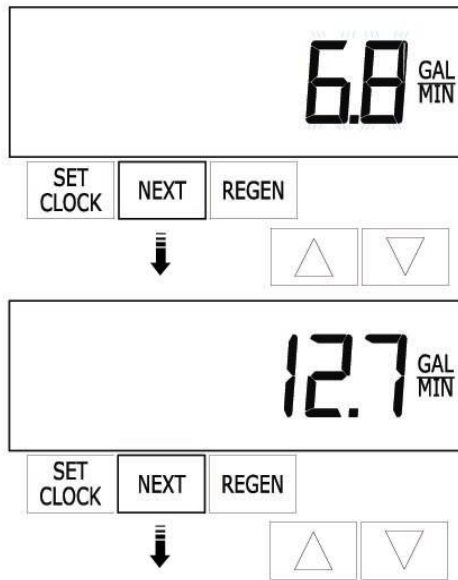
- Gallons used: Use arrows to select a day (1=yesterday, 63=63 days ago)
Automatically toggles



- Press NEXT
- (Continued on next slide)



Diagnostic Screens



- Present flow rate: Screen displays for 10 minutes, then returns to homeowner displays

- Press NEXT

- Max flow: Peak flow from the last 7 days

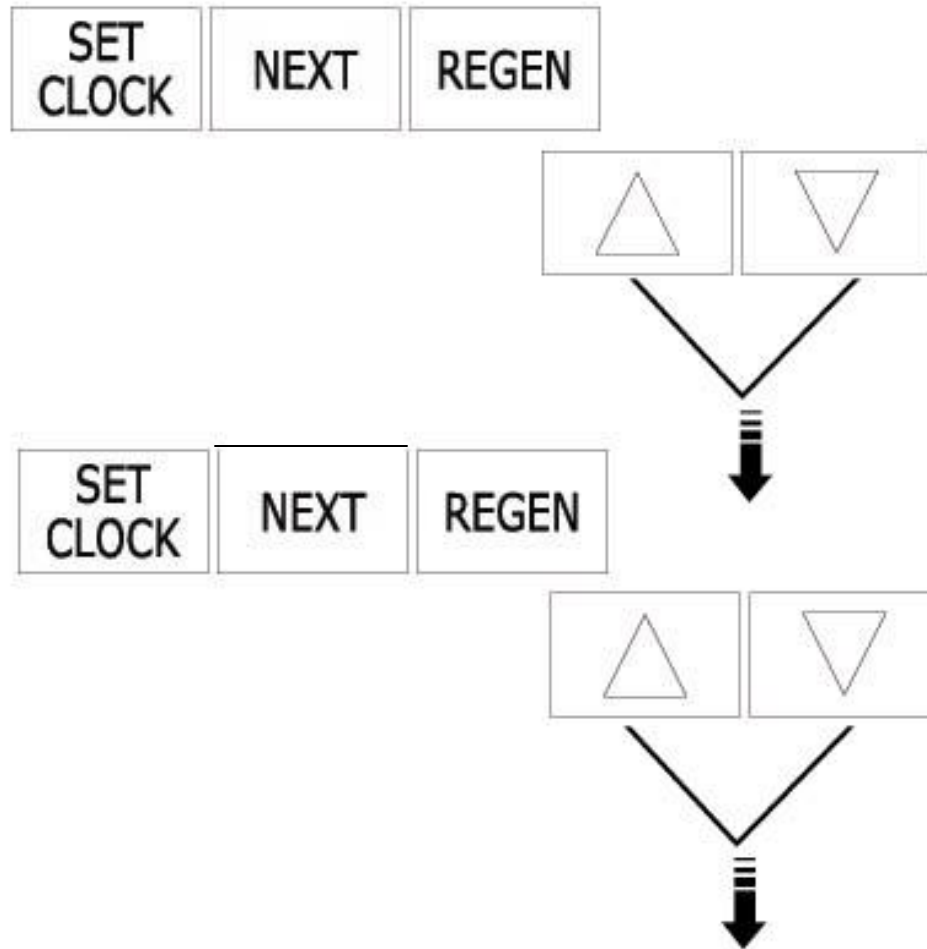
- Press NEXT to return to normal operation.

- NOTE: Diagnostic displays can be reset to zero from the normal mode by pressing NEXT and DOWN for 3 seconds (OEM setup mode) and pressing UP and DOWN for 3 seconds

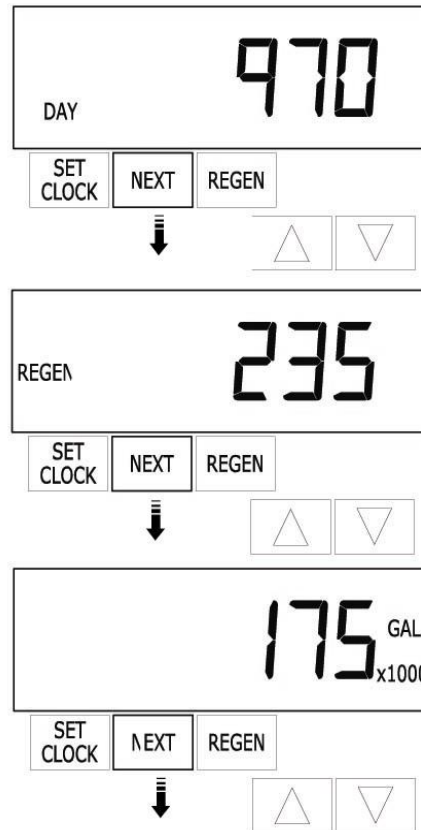
History Screens

History screens are accessed by pressing UP and DOWN for 3 seconds...

... and then pressing UP and DOWN simultaneously while in the first Diagnostic screen.



History Screens



- Days: Total days since startup
- Press NEXT

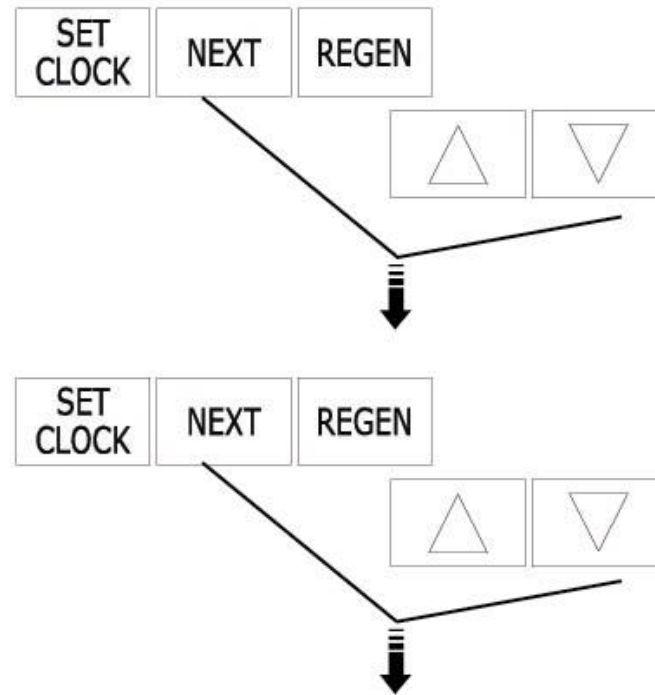
- Regens: Total regens since startup
- Press NEXT

- Gallons: Total gallons used since startup
- Press NEXT to return to normal operation

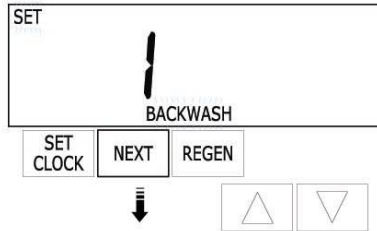
OEM Cycle Sequence Screens

OEM Cycle Sequence screens are accessed by pressing NEXT and DOWN for three seconds...

... and then pressing NEXT and DOWN simultaneously.

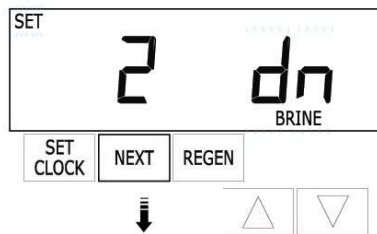


OEM Cycle Sequence Screens

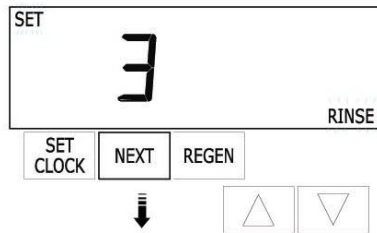


- CYCLE 1: Set first cycle
- Press NEXT

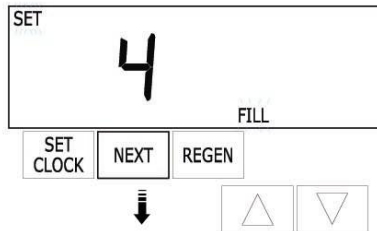
Cycle Options			
BACKWASH	DN BRINE	FILL	END
RINSE	UP BRINE	SOFTENING OR FILTERING	



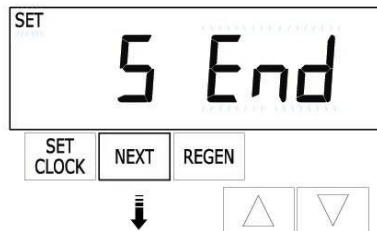
- CYCLE 2: Set second cycle
- Press NEXT



- CYCLE 3: Set third cycle
- Press NEXT



- CYCLE 4: Set fourth cycle
- Press NEXT

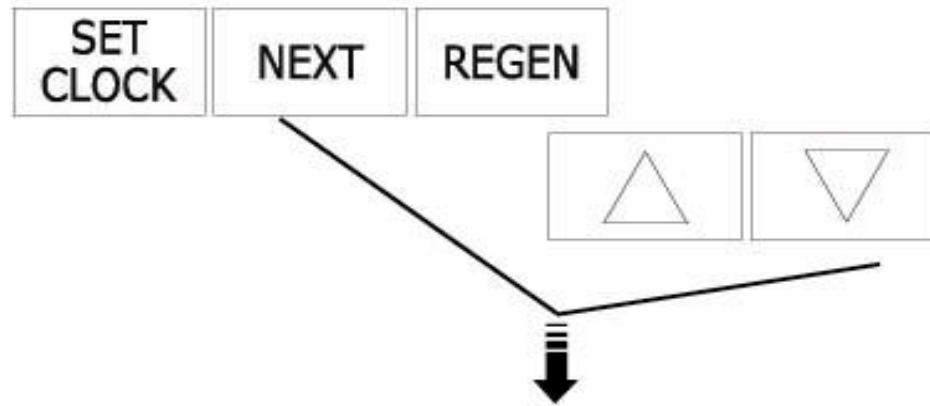


- CYCLE 5: Set fifth cycle
- Press NEXT

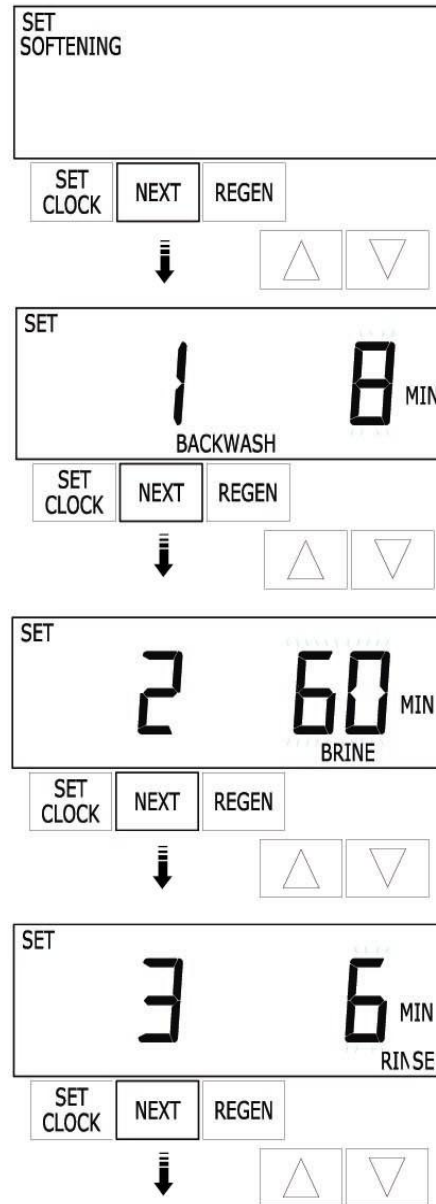
GLASS WATER SYSTEMS WS1
INSTALLATION

System Set Up Screens

System set up screens are accessed by pressing NEXT and DOWN for 3 seconds



System Set Up Screens



- SOFTENING OR FILTERING: Default is softening
- If Softening is chosen, the following programming screens will occur.
- Press NEXT
- CYCLE 1: Set time for first cycle.
- Press NEXT
- CYCLE 2: Set time for second cycle.
- Press NEXT
- CYCLE 3: Set time for third cycle.
- Press NEXT

SYSTEMS.WS1
LATION (Continued on next slide)

SET CLOCK
saves
changes and
“escapes” to
normal
operation
from any
programming
screen

SET LBS
4 6.0
FILL

SET CLOCK NEXT REGEN



SET CAPACITY
REGEN 240 x1000

SET CLOCK NEXT REGEN



SET
REGEN 1100 GAL

SET CLOCK NEXT REGEN



SET TIME
REGEN on 0
NORMAL

SET CLOCK NEXT REGEN



SET
SALT

SET CLOCK NEXT REGEN



- CYCLE 4: Set pounds of fill for fourth cycle.
- Press NEXT
- KILOGRAINS OF CAPACITY:
Adjustable from 5K to 200K. Default is 24K
- Press NEXT
- METER OPERATION: Auto =
calculated capacity and regen. Gallon
override = Set gallons 20 to 50,000.
Default is auto.
- Press NEXT
- REGENERATION CONTROL: Normal
= delayed until specified time. Normal
+ on 0 = delayed with override at 0
capacity. On 0 = regen will occur
immediately when gallons capacity
reaches zero. Default is normal.
- Press NEXT

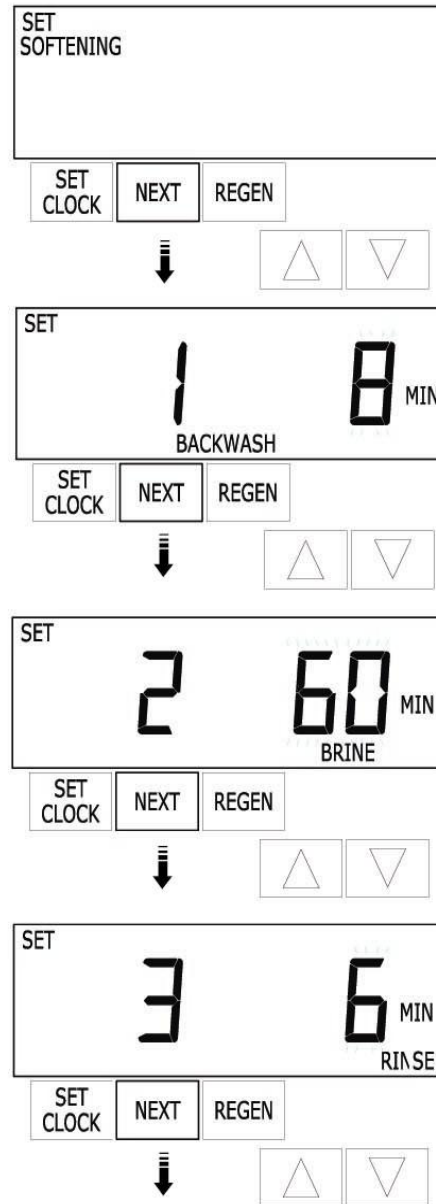
SET LBS REMAINING
50

SET CLOCK NEXT REGEN



- LOW SALT WARNING:
Set to off or set minimum.
- Press NEXT to exit setup

System Set Up Screens



- SOFTENING OR FILTERING: Default is softening
- If Filtering is chosen, the following programming screens will occur.
- Press NEXT

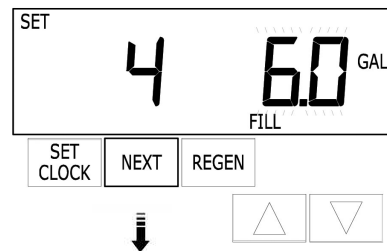
- CYCLE 1: Set time for first cycle.
- Press NEXT

- CYCLE 2: Set time for second cycle.
- Press NEXT

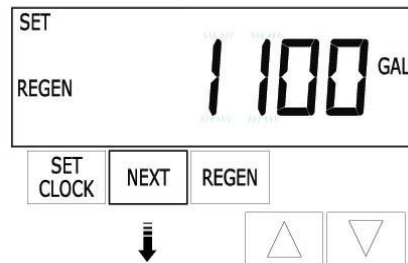
- CYCLE 3: Set time for third cycle.
- Press NEXT

SYSTEMS WS1
LATION (Continued on next slide)

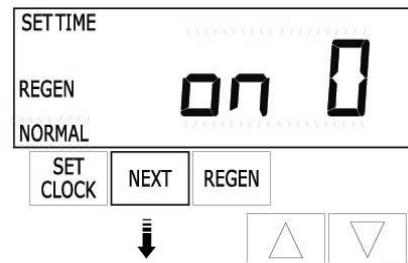
SET CLOCK
saves changes
and “escapes” to
normal operation
from any
programming
screen



- CYCLE 4: Set pounds of fill for fourth cycle.
- Press NEXT



- GALLONS CAPACITY: Set the gallons of capacity or off. Default is off.
- Press NEXT



- REGENERATION CONTROL: Normal = delayed until specified time. Normal + on 0 = delayed with override at 0 capacity. On 0 = regen will occur immediately when gallons capacity reaches zero. Default is normal.
- Press NEXT to return to normal operation.

FINAL INSTRUCTIONS

- READ THE ACCOMPANYING MANUALS
- CALL US WITH ANY QUESTIONS AT 1-877-345-2770
- WE APPRECIATE YOUR BUSINESS AND TELL A FRIEND, FAMILY MEMBER, OR CO-WORKER ABOUT OUR SERVICE