

# Installation Guide Backwash Filters

Glass Water Systems

1-877-345-2770

# Parts 5600 2510 2510SXT 5600SXT

## 1. Plastic Bypass

1. ¾" or 1" Female Adapters
2. ¾" or 1" Ball Valve
3. ¾" or 1" 90s
4. ¾" or 1" Couplings
5. ¾" or 1" 45s
6. ¾" or 1" Pipe
7. ¾" or 1" Tees
8. ¾" or 1" Reducer bushing to ½" Threaded
9. ½" Hose Bibb
10. ½" Drain Line Flexible
11. ½" Male adapter
12. ½" Couplings
13. ½" Pipe
14. ½" 90s
15. ½" Union
16. ½" 45s
17. Plumbers Silicone
18. Teflon Tape
19. Pipe Cutters
20. Glue Yellow, Blue, Clear
21. Cleaner

## 2. Stainless Steel Bypass

1. ¾" or 1" Male Adapters
2. ¾" or 1" Ball Valve
3. ¾" or 1" 90s
4. ¾" or 1" Couplings
5. ¾" or 1" 45s
6. ¾" or 1" Pipe
7. ½" Drain Line Flexible
8. ¾" or 1" Tees
9. ½" Male adapter
10. ¾" or 1" Reducer bushing to ½" Threaded
11. ½" Hose Bibb
12. ½" Couplings
13. ½" Pipe
14. ½" 90s
15. ½" Union
16. ½" 45s
17. Plumbers Silicone
18. Teflon Tape
19. Pipe Cutters
20. Glue Yellow, Blue, Clear
21. Cleaner



*Both Bypass Valves are shown in the Bypass*



# Parts 7000SXT

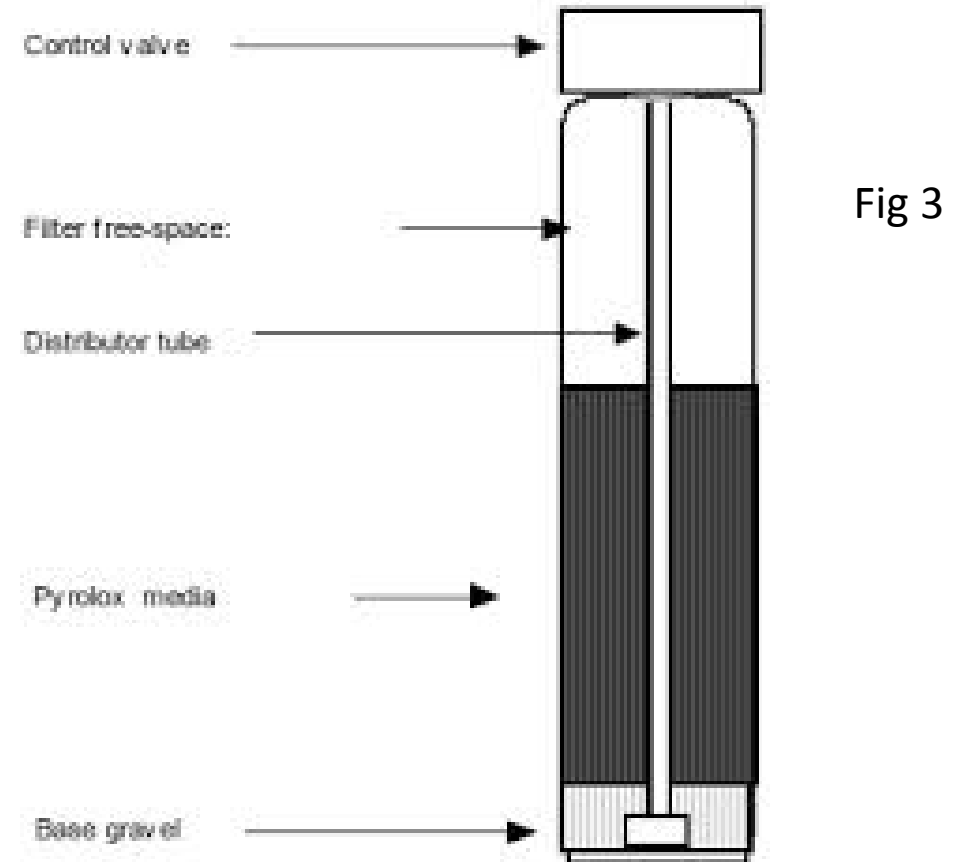
1.  $\frac{3}{4}$ " , 1" , 1-1/4" Male Adapters
2.  $\frac{3}{4}$ " , 1" , 1-1/4" 90s
3.  $\frac{3}{4}$ " , 1" , 1-1/4" Ball Valves
4.  $\frac{3}{4}$ " , 1" , 1-1/4" Tees
5.  $\frac{3}{4}$ " , 1" , 1-1/4" Couplings
6.  $\frac{3}{4}$ " , 1" , 1-1/4" Pipe
7.  $\frac{3}{4}$ " , 1" , 1-1/4" 45s
8.  $\frac{3}{4}$ " , 1" , 1-1/4" reducer bushing to  $\frac{1}{2}$ " threaded
9.  $\frac{1}{2}$ " hose bibb
10.  $\frac{3}{4}$ " or 1" Male Adapter
11.  $\frac{3}{4}$ " or 1" Pipe
12.  $\frac{3}{4}$ " or 1" 90s, couplings, unions, 45s
13. Teflon Tape
14. Pipe Cutters
15. Glue, Blue, Yellow, Clear

# Simple Installation Diagram with Water Softener



# Building the Filter

- Inspect all components to make sure that nothing is damaged.
- Fill the media tank
  - If the distributor tube is not cut. Cut flush with top of the tank for Fleck valves and 1" for autotrol valves
  - Take the distributor tube and tape the top of it so no media or gravel will get into it. Fig 1
  - Place distributor into the center of the tank as shown in Fig 3
  - Pour gravel in first where distributor bottom basket is covered as shown in Fig 2
  - Pour the media in the tank. You should have free space like shown in Fig 3
  - Take TAPE OFF THE DISTRIBUTOR TUBE



# Putting Control Valve on top of tank

- Take your plumbers grease and put on all o-rings. They are located as follows fig 3
  - Bottom of valve (tank O-ring)
  - Center of valve on bottom (distributor O-ring)
  - O-rings on the connections (bypass, tail pieces, piping boss)
- Put the top basket shown in fig 1 by putting in the bottom of the valve and twisting it. It will lock into the valve
  - You may not have this item so if so ignore this step
- Place the valve on the tank by guiding it on the tank using the distributor tube.
- Do not use Teflon tape on the threads for the tank
- Make sure it is in position and screw the valve on the tank. **DO NOT USE A PIPE WRENCH ONLY HAND TIGHT. THE O-RINGS WILL KEEP IT FROM LEAKING**
- Attach the bypass and tail pieces to the unit with red clips for 7000 fig 2 and  $\frac{1}{4}$ " nuts for the 5600 and 2510 fig 3

Fig 1



Fig 2



Red Clips

Put Silicone Grease on These o-rings

Fig 3

$\frac{1}{4}$ " Clips



# Starting Up Backwash Filter

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# 5600 Control Valve

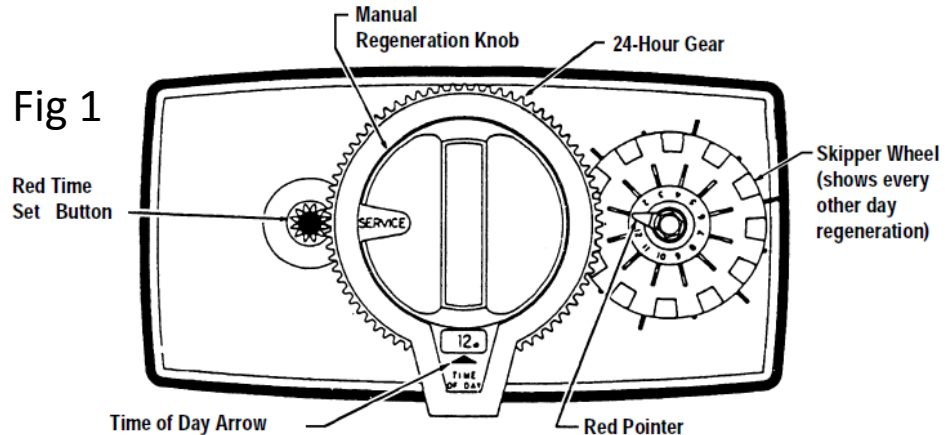


Fig 2

*Both Bypass Valves are shown in the Bypass*

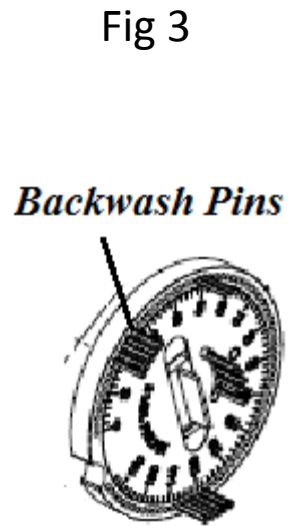
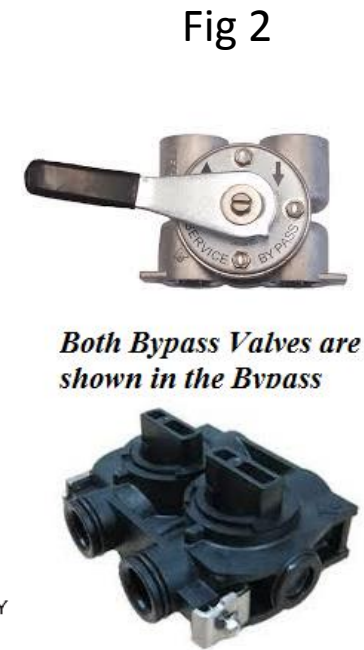
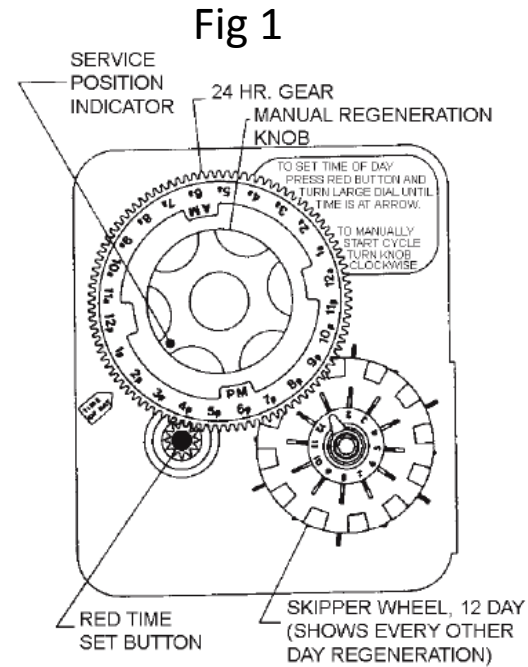


1. Open a treated water tap down stream of the filter. Cold Water Side Bathtub
2. Manually index the filter to the **In Service** position (fig 1) and allow the mineral tank to fill by slowly opening the main water supply valve. Any bypass should be slowly opened to the **In Service** position (start by cracking the bypass half way and fill slowly). **NOTE:** The water flowing from the downstream tap is cloudy and/or contains media fines as well as air. Allow the water to run until it appears clean and free of air.
3. When a steady clean flow appears at the tap, close the tap and the main water supply valve and allow the filter media bed to settle for 15–20 minutes.
4. Manually index the filter to the **Backwash** position. (fig 1)
5. To prevent a sudden surge of water and air, partially open the main water supply valve so that the flow at the drain of the filter is approximately 1 gpm (3.7 Lpm). The water at the drain is cloudy again and/or contains media fines as well as air. Allow water to flow at the drain until it appears clean and free of air.
6. Continue to open the water supply valve until it is completely open. Allow water to flow at the drain until all media fines are washed out of the filter.
7. Manually index the filter to the **In Service** position, and again open the downstream tap. Check to be sure that the water flows clear. If necessary, allow water to flow until all media fines are gone. If the tap is equipped with an aerator check that is not plugged with media fines and pipe scale.
8. Plug in the electrical cord and look in the sight hole on the back of the timer motor to ensure that it is running. Set the days backwashing is to occur by sliding tabs on the skipper wheel outward to expose trip fingers. Each tab is one day. Finger at red pointer is tonight. Moving clockwise from red pointer, extend or retract fingers to obtain the desired backwash schedule. **NOTE: You should set the days up based on the following guidelines: Carbon Filter on Well Water System= Every Day, Carbon Filter on City Water = Every 4-6 days, Iron Filters (Birm, Pyrolox, Filox, Multimedia, Sediment)=1-3 days)**
9. Set time of day by pushing red button and spin the 24-hour gear until the present time of day is visible above the time of day arrow.


























# 2510 Control Valve

1. Open up a bathtub Cold Water Side before turning on the water
2. Bypass the unit
3. Slowly open the inlet ball valve/gate valve/main and run the water in the bathtub until clear. This will allow any dirt or glue to clear out of the line that occurred during installation.
4. Turn bypass on slowly filling the media tank. On plastic bypass slowly crack the inlet valve only. (fig 2)
5. Turn the bypass valve to bypass again
6. Once unit is filled open the door on the timer assembly. It is hinged and will swing our. Make sure control valve is plugged in. (fig 1)
7. Take the Service Position Indicator and look at the back you will see pins move the micro switch arm to the first set of pins and stop. The unit is in backwash. You will hear air going out the drain line (fig3)
8. Let the unit finish the entire cycle (backwash, slow rinse, forward rinse and settle (will take between 15-60 minutes
9. Close the door on the timer assembly (fig1)
10. Set the time of day using the red time button to the current time of day. (fig 1)
11. Set the Skipper Wheel 12 day timer as follows: : **You should set the days up based on the following guidelines: Carbon Filter on Well Water System= Every Day, Carbon Filter on City Water = Every 4-6 days, Iron Filters (Birm, Pyrolox, Filox, Multimedia, Sediment=1-3 days)**



# 7000SXT 2510SXT 5600SXT Control Valve

## PROGRAMMING VALVE

1. Enter the master programming for the control valve by setting the time to 12:01 PM using the up down buttons  
2. Then press the extra cycle button 
3. Then press and hold the up down buttons together   until you see displayed GAL
4. You can choose between GAL gallons and Ltr liters by using the up down buttons. Unless you are in a foreign country you leave it for Gallons.
5. Press the extra cycle button  and you will now see VT (valve type). You will use the up down arrows   to choose Fltr
6. Press the extra cycle button  and you will now see CT (control type. It should say tc (time clock) if not use up down arrows   to select tc
7. Press the extra cycle button  and you will now see DO (Days Override or the number of days you want it to regenerate. Use the up down arrows   to select the following based on your type of filter:  
**You should set the days up based on the following guidelines: Carbon Filter on Well Water System= Every Day, Carbon Filter on City Water = Every 4-6 days, Iron Filters (Birm, Pyrolox, Filox, Multimedia, Sediment=1-3 days)**
8. Press the extra cycle button  and you will now see RT (Reneration Time) use the up down arrows   to set it to the time to regenerate. We recommend 2:00 AM. If you have a night schedule you could set it to another time when you do not expect to use water.
9. Press the extra cycle button  and you will now see B1 (Backwash 1) set that based on the following guidelines: **Carbon=15 min Pyrolox, Sediment, Multimedia, Filox = 20 min. Use the up down arrows to set this time**  
10. Press the extra cycle button  and you will see either B2 (backwash2) or RR (Rapid Rinse). Set that using the up down arrows   based on the following guidelines: **Carbon 5 minutes B1 10 minutes RR Pyrolox, Sediment, Multimedia, Filox 10 minutes B1 15 minutes RR. THE UNIT IS NOW PROGRAMMED.**

# 7000SXT 2510SXT 5600SXT Control Valve





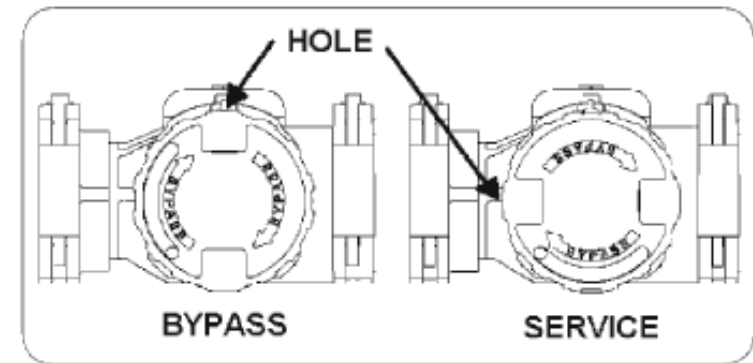
1. Open a bathtub Cold Water Side in the Home
2. Slowly turn on the ball valve or gate valve to the home. Let run until water is clear coming out of the bathtub. This will allow any glue or dirt to get out of the lines
3. Slowly turn on the inlet side half way on the bypass (fig 1) to fill the media tank. Do not fill fast.
4. Once the media tank is full turn the inlet bypass valve to the bypass position (fig 1)
5. Push the and hold the extra cycle button  until the valve motor starts to make noise. The unit will show lines on the screen and then  show B1 on the display and start counting down
6. You will hear air running out the drain line. Slowly turn the inlet bypass valve to the service position (fig1). Note: you may have to hold your drain line because the air will cause it to jump around.
7. Once water is running let the control valve complete the entire cycle
8. Turn the outlet valve to service position (fig 1)
9. Once the unit has finished set the time of day using the up down arrows  

Fig 1



# Manuals

- 5600 Link: <http://ep.yimg.com/ty/cdn/yhst-48483384951716/5600manual.pdf>
- 2510 Link: <http://ep.yimg.com/ty/cdn/yhst-48483384951716/2510manual.pdf>
- 7000SXT Link: <http://ep.yimg.com/ty/cdn/yhst-48483384951716/7000manual.pdf>
- 5600SXT Link: <http://ep.yimg.com/ty/cdn/yhst-48483384951716/5600sxt.pdf>