Fleck 5600SXT Water Softener with Upflow Carbon Tank
Start Here

Step 1 – Confirm all product components

Open your packages and confirm that you have received all the correct components. If you are missing any of the listed items below, please contact us at 602.222.9283.

Package Contents

Tanks
1 – Mineral tank prefilled with carbon
1 – Mineral tank prefilled with resin
1 – Brine tank

Brine Tank
1 – Brine well with safety float
1 – Brine line
1 – Overflow elbow

Clack In/out Head
1 – Clack valve with basket attached
1 – Clack bypass valve
1 – Pair 1” male threaded elbow adapters

Fleck 5600sxt Valve
1 – Fleck 5600sxt metered valve
1 – Basket
1 – 1” threaded yoke
1 – Bypass
1 – Drain barb
1 – Flow meter (already attached)
1 – Small parts kit (nut, farrel, tube insert and screen)

Link to installation video water softener
https://www.youtube.com/watch?v=AKdENN_oSCo&feature=youtu.be

* Not included but required – Salt, Teflon Tape, fittings to connect softener to your plumbing & ½” ID drain line. Please be sure to visit our website for installation resources to assist you during your install.

Phone: 602.222.9283 – Monday thru Friday 7am to 4pm Arizona time.
Email: support@602abcWATER.com
Step 1 – Assemble the in/out head

1. Please read entire manual before starting the installation. Please Verify you have all parts.

2. Lube O-ring located on the bottom of the in/out head.

3. Verify that the basket is securely fastened to the in/out head and connect with distributor tube located in the carbon tank. Make sure that the tube is inserted into the basket. To secure in place twist clockwise till tight.

Step 2 – Attach bypass valve

1. Lube O-rings on the bypass valve and attach bypass valve to the in/out head, fitting the female ends with the easy tighten nuts onto the female ends of the in/out head. Hand tighten the nuts to seal the connection between the bypass valve and the in/out head.

Step 3 – Rinse

1. Find a location outside which you can reach with a garden hose. You will be running water so a downward sloped driveway would be a great location.

2. Place the hose in either one of the openings located on the ‘In & Out’ head. You will be rinsing from both sides before completing this process.
4. Open garden hose valve slowly to begin filling the tank (takes a few minutes). Once a steady trickle begins pouring from the opposite port, increase the water pressure. Do this for about 15 to 20 minutes until water flows clear.

*Installers Tip: Once water looks clear, hold your hand under the flowing water. Your hand will contrast against faint traces of sediment and help you see when the water is fully rinsed.

5. Now it’s time to switch rinsing directions. Position the water hose in the opening of the opposite port and begin filing. Continue rinsing until water runs clear. The rinsing phase is now complete.

**Step 4 – Assembling elbows**

Assembling the two male pair 1” male threaded elbow adapters. You will be placing the nut followed by the white slip ring. Push the white slip ring down to the inner most groove. Next, slide the split ring onto elbow, placing in last groove. Repeat for remaining elbow.

**Step 5 – UPFLOW configuration:**

1. Lube O rings.

2. Fit the elbow adapter end with the O-rings onto the bypass valve, tighten the easy connect nuts. Repeat with other elbow assembly.

*Note: The elbows are configured to be used in any direction. Household plumbing can be coming from below, the top or even the side.*

This is the standard fitting included with the package. To accommodate various plumbing types, alternate fitting configurations are available and assemble identically to the bypass valve.

**Do not use a wrench to tighten fittings and parts.** Using a wrench to tighten will crack the plastic. Only hand-tightening is needed.
Valve to Mineral Tank

Step 6 – Plan Your water Softener system Location

Plan where to position your water softener system:
1. Position 5 ft. from power source to operate
2. Requires water drain for disposing of water
3. Requires access to home’s main water line

Step 7 – Begin Assembly: Fleck Valve to Mineral Tank

1. Apply silicone lube to small inner O-ring.

2. Attach top basket to the bottom of the Fleck 5600sxt valve. Insert large end of basket into groove and turn clockwise into locking position.

3. Apply a thin layer of silicon to large ‘O’-ring located outside of threads.

4. Connect the Fleck valve to the mineral tank. Be sure to carefully line up the meter’s top basket to the mineral tank’s distributor tube.

The mineral tank’s distributor tube should fit inside the top basket. Once aligned, screw on Fleck meter to mineral tank’s threads. Hand tighten until tank starts to spin. Do not hold tank and over tighten valve.
If your Carbon or Resin tank are not level. You can bear hug it, lift it a few inches and drop. Our bases are able to be leveled on uneven surfaces.

**CARBON TANK**

Step 1. Water enters the Upflow Inlet and enters the distributor tube to the carbon in Carbon Tank. The Carbon tank removes the chlorine from the water and discharges from the Downflow Inlet. In having a Carbon tank with your system not only with it remove the chlorine but it will extend the life of the Resin.

**RESIN TANK**

Step 2. Water enters the Inlet and enters the the distributor tube to the resin in Resin Tank. The Resins in the tank are used to replace the magnesium and calcium ions found in hard water with sodium ions. and discharges from the Downflow Inlet. Waste water flows out of the Drain Barb.

It is recommended that you premeasure the location of your system before you set up your system. It as well explains the purpose of each tank.
**Combination Softener System**

**Step 1.** Water enters the Up/f_low Inlet and enters the distributor tube to the carbon in Carbon Tank. The Carbon tank removes the chlorine from the water and discharges from the Down/f_low Inlet. In having a Carbon tank with your system not only will it remove the chlorine but it will extend the life of the Resin.

**Step 2.** Water enters the Inlet and enters the the distributor tube to the resin in Resin Tank. The Resins in the tank are used to replace the magnesium and calcium ions found in hard water with sodium ions. and discharges from the Down/f_low Inlet. Waste water flows out of the Drain Barb.

**Step 3a.** The Brine Tank does its job depending on how you program your Fleck 5600sxt head. The Brine Tank uses common salt to create this brine solution. In normal operation, hard water moves into the mineral tank and the calcium and magnesium ions move to the beads, replacing sodium ions.

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BRINE TANK

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*Note: Before installation. This is a diagram to show the recommended way to setup and the purpose of each tank. Follow all local codes.*
Step 4 – Connect Bypass to Fleck Meter

1. Apply silicone lube to the 2 ‘o’-rings on the valve and make connection. We also recommend applying silicone to the inside of the female end on the bypass valve.

2. Position metal clips to clamp over the connection point and fasten with screw. Because the connection is O-ring sealed, it’s important not to overtighten the screw. Overtightening will cause damage to the plastic assembly.

Step 5 – Connect Yoke to Bypass

1. Apply silicone lube to the 2 ‘o’-rings on the male connection on valve. Again, we also recommend applying silicone to the inside of the female end of the yoke prior to connecting.

2. Position both metal clips to clamp over the connection point and fasten screw. Remember not to overtighten screws.
Attach Tank Lines

Step 6 – Attach Drain Line to Fleck Meter

1. Wrap threaded connection point with 3-4 wraps of Teflon tape. Install provided plastic barbed fitting.

2. Install drain line (not included) to barbed fitting (found on Fleck valve) with a stainless hose clamp (not included). Drain line should extend to a main drain to dispose of waste water.

Step 7 – Connect Brine Line to Fleck Meter

1. Prep brine line prior to install using brass nut, plastic Ferrule & brass tube insert.

2. Connect provided brass nut to the Fleck valve. Be careful not to overtighten. Overtightening will cause damage.

Step 8 – Connect Brine Well to Tank Side Wall

1. Locate predrilled hole in brine tank. Fasten brine well to side wall of brine tank using the white overflow elbow & plastic nut.
   * This is preinstalled on Space Saver version.
Almost Finished

Step 9 – Connect Brine Line to Safety Float

There are 2 different types of safety valve connections. One is a compression fitting type and the other is a push-to-connect fitting.

Step 10 – Connect Valve to Home Water Line

1. Connect your home’s input water line to the Fleck meter through the port with ‘arrow’ pointing toward the meter.

2. Connect the remaining port with ‘arrow’ pointing away from meter to the home’s incoming water line.

Step 11 – Connect Meter to Power Source

1. Plug in the Fleck 5600sxt digital meter to a power receptacle. Your power source should be less than 5 feet in distance from the Fleck meter.

2. Turn bypass to ‘in service’ and let the tank fill slowly. Turn on the closest cold water faucet to softener to bleed air from tank.
**Programming**

**Step 1 – Confirm All Product Components**

1. Add 3 bags of salt pellets or rock salt along with 5 gallons of water to the brine tank.

**Add only 2 bags if using a SPACE SAVER system.**

**Note during normal operations it is normal for the water level to be anywhere from 1/3 to 2/3 full of water, depending on the salt level at the time of regeneration.**

**Programming Your Hardness Water Softener**

**Step 1.** Conduct hardness test on your water to obtain this number.

**Step 2.** Press & Hold both ‘Up’ & ‘Down’ arrows together until screen changes to DO (Day Override). This may take 5 seconds before change.

**Step 3.** Select # of days for DO. We suggest 14 days. Press ‘Cycle’ button (icon of arrows in diamond pattern) after days are set.

**Step 4.** Set Regeneration Time (RT). We suggest setting to 2:00am. This is the time that the system will regenerate. Press ‘Cycle’ button after setting time.

**Step 5.** Set Hardness (H). Based on hardness test number. Press ‘Cycle’ button after set.

**Step 6.** Reserve Capacity (RC) should be set at 75 gallons per person in household. Example: 2 people x 75 gal = 150 reserve capacity. Press ‘Cycle’ button to complete.
Our company is managed by water professionals with over 25 years of combined experience. Our goal is to provide you and your family with the best equipment available in the industry, offer a support experience that is second to none and have fair pricing that everyone can afford. If you have any questions about which equipment is right for your home, or have installation questions, give us a call.

We are located in Phoenix Arizona. We accept walk in orders from local residents. We offer support via email, phone, text or video chat. Technical support is available Monday thru Friday between the hours of 7am to 4pm AZ time.

23910 N. 19th Ave., Ste. 8
Phoenix, Arizona 85085
Phone: 602.222.9283
Email: support@602abcWATER.com
Web: www.602abcWATER.com
Text or Facetime: 602.321.0145

Product That Compliment Your System

We want to thank you for choosing our business for your water treatment needs. We would like to show our gratitude by offering a limited time discount on your next purchase. Please call us within 30 days of purchasing your system and you will receive a 5% discount on a reverse osmosis system listed below:

Drinking Water Filtration
Reverse Osmosis Systems
http://602abcwater.com/reverse-osmosis-systems/

* 30 day time limit is based on our purchase invoice date.