Upflow/Premier Quick Start Instructions

Unpacking / Inspection

Check the entire water softener shipment for possible damage that may occur in transit. The order will include a prefilled resin tank (over 48k grain not prefilled) sealed with a temporary shipping cap and a preassembled brine tank. The control valve, small parts and additional ordered parts are packed inside the brine tank. All items are Quality Control (QC) checked and tested prior to shipping. It is normal to have residual water in the water softener control valve, gallons registered on the meter and regenerations already performed due to the complete QC program. Check all packaging for small parts before discarding.

Installation & Start Up

1. Apply NSF certified lubricant (included in parts bag) to all four control valve O-ring seals to protect them from being pinched during installation. Note: There is an Inner Distributor Tube O-ring and an Outer Control Head O-ring on the underside of the control head. Attach the upper screen cone (in small parts box) to the bottom of the control valve. Attach the control valve to the resin tank (turning clockwise) one half turn past hand tight.
2. A minimum 1/2" ID Drain Line (optional purchase) and Hose Clamp (not included) are required for proper drainage of the system. Length of the Drain Line will depend on the distance from the unit to the drain.
3. Place the clear Tube Insert (Included in parts bag) into the Brine Line and connect it to the Brine Elbow Assembly. Ensure all items are connected correctly and securely to prevent leaking.
4. Add 5 gallons of water and at least 40lbs of water softener salt to the Brine Tank.
5. Plug the Power Transformer into an approved power source and connect it to the valve. The screen may display "INITIALIZING WAIT PLEASE" while it finds the service position. **DO NOT USE AN EXTENSION CORD**.
6. Press and hold the **MANUAL REGEN** button for 5 seconds. After the **BRINE** cycle begins to count down press any button to skip the **BRINE** cycle. Once in the **BACKWASH** or **RINSE** cycle slowly open the inlet on the bypass valve and allow water to enter the unit. Allow all air to escape the unit before turning on water fully. Allow the system to run the complete **BACKWASH** or **RINSE** cycle to flush out all media fines from the new resin.
7. The system will automatically advance to the **REFILL** cycle. Check that water is running into the Brine Tank. Allow the refill to run the full amount of time to ensure a proper brine solution for the regeneration. Due to the efficiency of the unit the brine tank refill will be only 1-2 inches above the salt grid.
8. Upon completion of the Refill cycle the valve will automatically advance to the SERVICE position. Open the outlet valve on the BYPASS. Open the nearest treated water faucet and allow the water to run until clear.
9. Program Unit

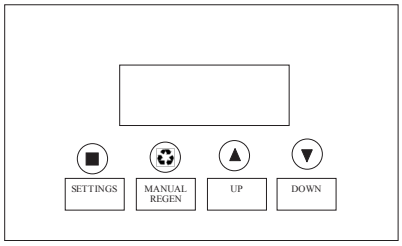


Figure 1. Key Pad Configuration

Programming Guide

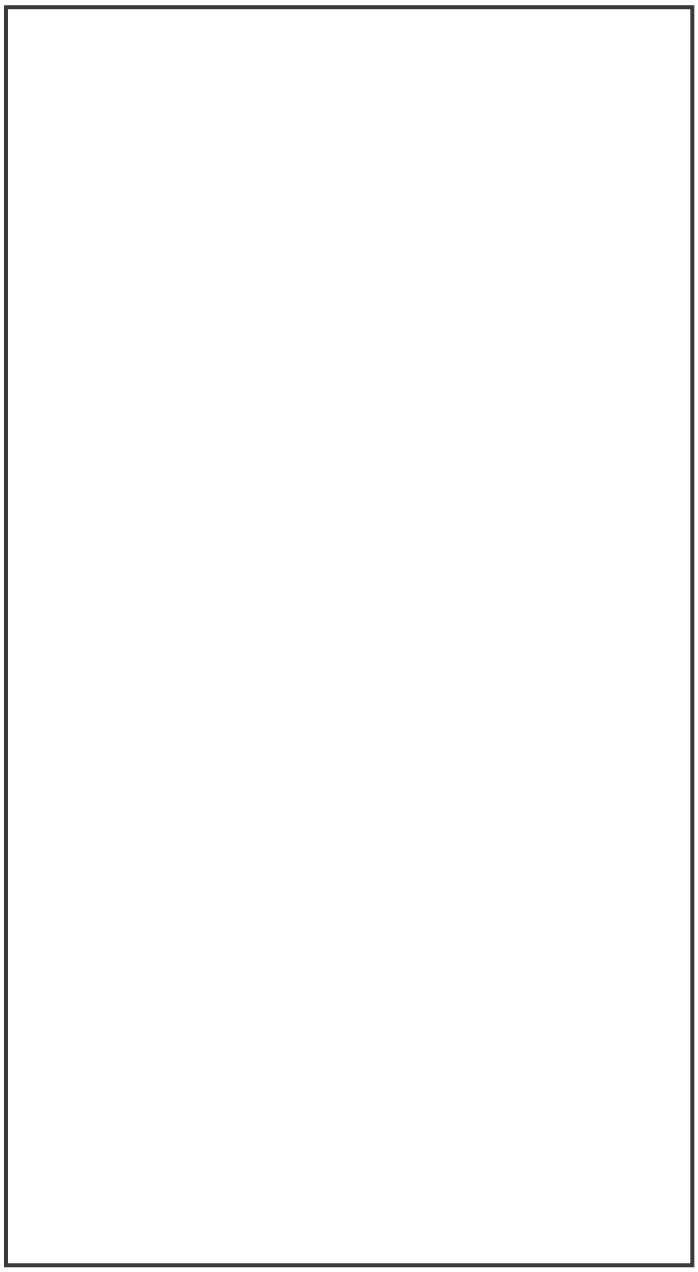
Hold the **SETTINGS** Button for 3 seconds for programming mode. **UP/DOWN** to adjust values. **SETTINGS** to accept and advance.

TIME OF DAY 12:01 PM	**SET HARDNESS** This value is the maximum compensated water hardness in grains per gallon of the raw water supply. Add 5 GPG for every 1 PPM Iron present in the water.
YEAR 2012	**SET PEOPLE** This value is the number of people living in the home. It is used to calculate the amount of water needed for daily use and the reserve capacity of the system.
MONTH AUGUST	
DAY 21	**SALT SETTING** **Standard Setting is highly recommended by the manufacturer for this model**
SET HARDNESS 20 GRAINS	**High Efficiency** will utilize 3lbs of salt per cubic foot of resin. Removal of the salt grid in the brine tank is highly recommended for this setting.
SET PEOPLE 4	**Standard will utilize 6lbs of salt per cubic foot of resin. Recommended setting for capacity effectiveness and regeneration frequency.**
SALT SETTING HIGH EFFICIENCY STANDARD IRON & MN	**Iron and MN** will utilize 12lbs of salt cubic foot of resin. A resin cleaner may also be needed to properly clean the resin when higher iron levels (3 to 5ppm) are present.
WATER TYPE MUNICIPAL WELL / OTHER	**WATER TYPE** If you are on clean city water choose the MUNICIPAL option so that the unit does not waste water performing a back wash every regeneration. If you are on well water or other choose WELL / OTHER to perform a back wash every regeneration.
REGEN TIME 2:00 AM	
PROGRAMMING COMPLETE	**After all installation and programming is complete, wait 6 hours and then perform a manual regeneration to get soft water.**

Installation

DO NOT RUN HOT WATER THROUGH THE

Cabinet



Twin Tank