



INSTALLER'S MANUAL ADDENDUM

THIS MANUAL IS TO BE LEFT WITH THE OWNER OF THE EQUIPMENT FOR REFERENCE PURPOSES AND TECHNICAL GUIDANCE. IT IS STRONGLY RECOMMENDED THAT QUALIFIED DEALER SERVICE PERSONNEL BE CONTACTED IN THE EVENT OF AN UNKNOWN INTERRUPTION OF SERVICE OR APPARENT PRODUCT MALFUNCTION. AN ANNUAL PREVENTATIVE MAINTENANCE INSPECTION BY A WATER PROFESSIONAL IS RECOMMENDED TO ENSURE TROUBLE-FREE AND CONTINUOUS OPERATION.

TOB / TOC / TOK QUICK START INSTRUCTION SHEET

CONDITIONS FOR OPERATION

- Water to be filtered should preferably be free of oil and suspended matter.
- Water to be filtered should be relatively free of turbidity for maximum service life.
- Feed water should be free of Iron Reducing bacteria and Sulfate Reducing bacteria.
- Maximum Hydrogen Sulfide: 2 ppm
- Water pH: wide range
- Operating pressure: 20 – 90 psi
- Operating temperature: 35 – 100 °F (1 – 37 °C)

INSTALLATION REQUIREMENT

- Check valve must be installed on the inlet of the valve to maintain air pocket.
- Check valve with intake screen must be installed on draw fitting of the valve (Factory supplied).
- Ensure that drain line is properly secured. Due to air discharge during backwash, the drain line may dislodge from point of entry.

GENERAL OPERATION

When the system is operating, one of two displays will be shown. Pressing “NEXT” will alternate between the displays. One of the displays is always the current time of day. The second display is the days remaining before the system goes through a regeneration (backwash and rinse) cycle.

NOTE: if your display is showing CAPACITY REMAINING, then it is not set correctly. Refer to “SYSTEM SETUP” below and adjust the setting(s) accordingly.

TO SET TIME OF DAY

In the event of a prolonged power outage, time of day flashes, indicating that this needs to be reset. All other information will be stored in memory no matter how long the power outage. Please complete the steps as shown to the right. To access this mode, press “SET CLOCK”.

1. Accessed by pressing “SET CLOCK”.
2. Adjust hours with “▼” and “▲”.
3. Press “NEXT”.
4. Adjust minutes with “▼” and “▲”.
5. Press “NEXT” to complete and return to normal operation.

SYSTEM SETUP

For initial set-up, please complete the steps as shown to the right. Access this mode by pressing “NEXT” and “▼” simultaneously.

1. Accessed by pressing “NEXT” and “▼” simultaneously.
2. Select “FILTERING” using “▼” and “▲”.
3. Press “NEXT”.
4. Adjust BACKWASH time to 15 minutes using “▼” and “▲”.
5. Press “NEXT”.
6. Adjust BRINE time to 30 minutes using “▼” and “▲”.
7. Press “NEXT” until GALLON CAPACITY shown on the display.
8. Select “OFF” using “▼” and “▲”.
9. Press “NEXT” to exit SYSTEM SETUP. Press REGEN during the set up if you need to return to the previous step.

CYCLE SEQUENCE PROGRAMMING

CYCLE SEQUENCE instructions allow the setting of the order of the cycle. There are total 9 cycles in the system, only 3 cycles are needed to allow the Carbon filter works. Please complete the steps as shown to the right. Access this mode by pressing "NEXT" and "▼" simultaneously, and pressing "NEXT" and "▼" simultaneously again.

1. Press "NEXT" and "▼" simultaneously for 3 seconds until FILTERING appears on the display and release. Then press "NEXT" and "▼" again for 3 seconds and release.
2. Press the "▼" or "▲" button until BACKWASH appears. Press "NEXT" to go to Step 3.
3. Press the "▼" or "▲" button until BRINE appears. Press "NEXT" to go to Step 4.
4. Press the "▼" or "▲" button until END appears. Press "NEXT" to exit CYCLE SEQUENCE.
Press REGEN if you need to return to the previous step.

DAYS BETWEEN REGENERATIONS, OR TIME OF REGENERATION

For initial set-up or to make adjustments, please complete the steps as shown to the right. Access this mode by pressing "NEXT" and "▲" simultaneously.

NOTE: If your water has a lot of sediment, the days between regenerations can be adjusted to backwash every few nights, or even every night as needed. If you experience some water pressure loss in the house after several days, you can always reset the control valve to backwash more frequently.

1. Accessed by pressing "NEXT" and "▲" simultaneously.
2. HARDNESS: this should be displaying "-nA-". If not, then press REGEN to exit this setting and see SYSTEM SETUP and make sure it is set to those values. If it is set to "-nA-", press NEXT.
3. Day-Override: This is where you set the number of days in between regeneration (backwash and rinse cycles). Using "▼" or "▲" buttons to adjust the number to "3". Press "NEXT" to go to the next step.
4. Next Regeneration Time (hour): Set the hour of day for regeneration using "▼" or "▲" buttons. AM/PM toggles after 12. The default time is 2:00 am
5. Next Regeneration Time (minutes): Set the minutes of day for regeneration using "▼" or "▲" buttons.

MANUAL REGENERATION

If you need to initiate a manual regeneration, either immediately, or tonight at the programmed time for regeneration (typically 2:00 am), complete the following steps.

For Immediate Regeneration:

Press and hold "REGEN" until valve motor starts (typically 3 seconds).

For Regeneration Tonight:

Press and release "REGEN" (notice that flashing "REGEN TODAY" appears).

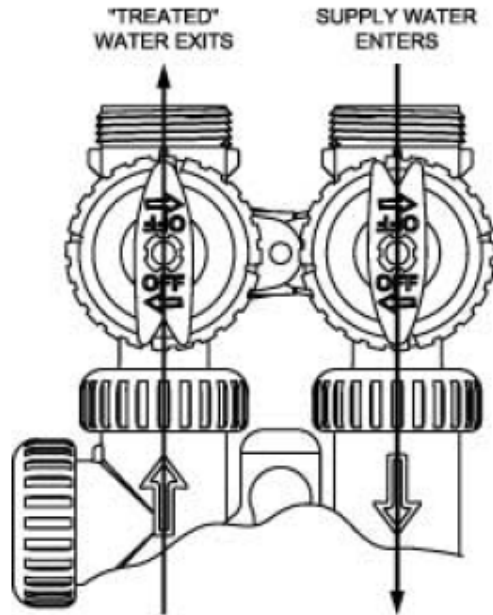
SYSTEM ERROR

If the display toggles between "ERROR" and an error code (i.e. a number), call a service technician and report the error code.

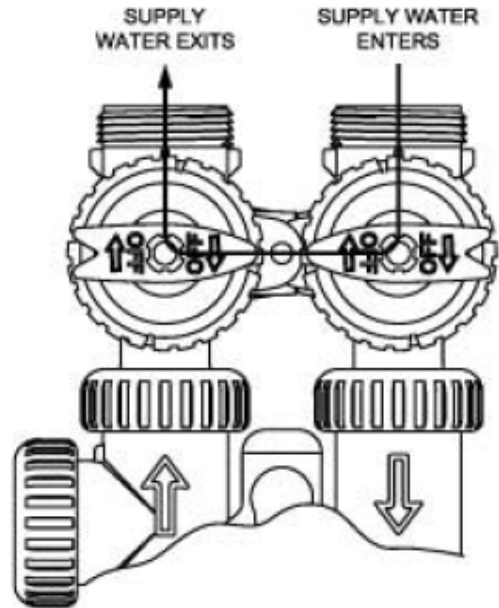
BYPASS OPERATION

To **shut-off water** to the system, please position arrow handles as shown in the bypass operation diagram below. If your valve doesn't look like the diagram below, contact your service technician for instruction on how to shut-off water.

NORMAL OPERATION



BYPASS OPERATION



NOTES:

Installation Date: _____

Drain Control size installed: _____

Water pressure: _____

Iron (ppm): _____

Manganese (ppm): _____

TDS (ppm): _____

pH: _____