

# FLECK 5800 XTR2

## ENHANCED WITH ACCUSENSE™ TECHNOLOGY

### INSTALLATION GUIDE

This installation guide augments the 5800 XTR2 Service Manual (PN 43359-02).

The Fleck XTR2 Electronic Control now features AccuSense sensor technology capability as of software version 4.0+.

For a complete installation, the following components are required:

**1 ONE OF THE FOLLOWING FLECK 5800 XTR2 VALVES:**

- PN 580008-009.....Set up for 8" tanks
- PN 580008-010.....Set up for 9" or 10" tanks
- PN 580008-011 .....Set up for 12" tanks
- PN 580008-015.....Setup for 9" or 10" tanks

**2 ONE OF THE FOLLOWING STRUCTURAL POLYGLASS TANKS:**

- PN CH34204-03010201-30 ..... 0844 PG 2.5" T UI BLK 9100 SNSRTK COMP BASE
- PN CH34205-03010201-30..... 0948 PG 2.5" T UI BLK 9100 SNSRTK COMP BASE
- PN CH34206-03010201-30..... 1054 PG 2.5" T UI BLK 9100 SNSRTK COMP BASE
- PN CH34299-03010201-30..... 1248 PG 2.5" T UI BLK 9100 SNSRTK COMP BASE

**3 ONE PENTAIR ACCUSENSE SENSOR PROBE ASSEMBLY**

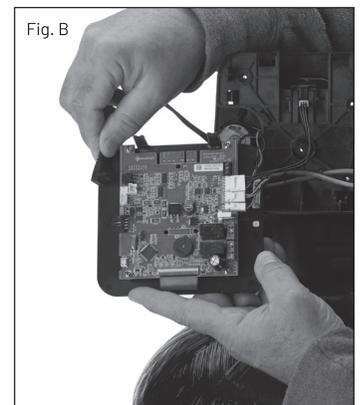
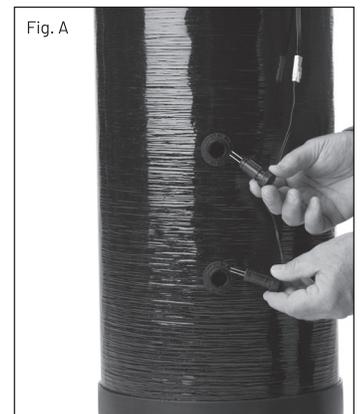
- PN 61893 ..... KIT, SENSOR PROBE ASSEMBLY

**SENSOR PROBE INSTALLATION (FIG. A AND FIG. B)**

1. Do not install sensor probes in tank sensor ports before loading tank with gravel and/or resin. Sensor probes could be damaged by falling gravel and/or resin during loading. (Reference "5800 XTR2 Enhanced with AccuSense Technology Top 3 Tips for Success" for tips on application suggestions.)
2. Load sensor resin tank with distributor tube, gravel and/or resin per your normal loading procedure. Dry loading is preferred as some water will exit the tank through the sensor ports without probes installed.
3. Please note that the sensor probe with the longest wire must be installed in the lower tank sensor port.
4. Use a clean cloth to remove any debris (resin, etc.) from the tank bulkheads (sensor tank ports, Fig. A.)
5. Apply 100% silicone lubricant (included) to each O-ring and install in the O-ring groove on the end of each probe.

**NOTE:** Be careful not to get silicone on the gold-plated sensor probe pins as this could affect sensor conductivity readings.

6. The probe assemblies are keyed for easy alignment; align probe pins to pin holes in the tank, and push each probe into the tank bulkhead.
7. Install the red probe retainer clips into bulkhead. Ensure that each clip is fully seated in the bulkhead.
8. Plug sensor wire harness into appropriate circuit board receptacle, Fig. B.
9. Connect white end of sensor wire harness to white end of the sensor probe assembly.
10. Install probe cover included with tank.



## BEGIN VALVE SETUP

Follow the setup instructions outlined in the Fleck 5800 XTR2 Service Manual as you power up the system.

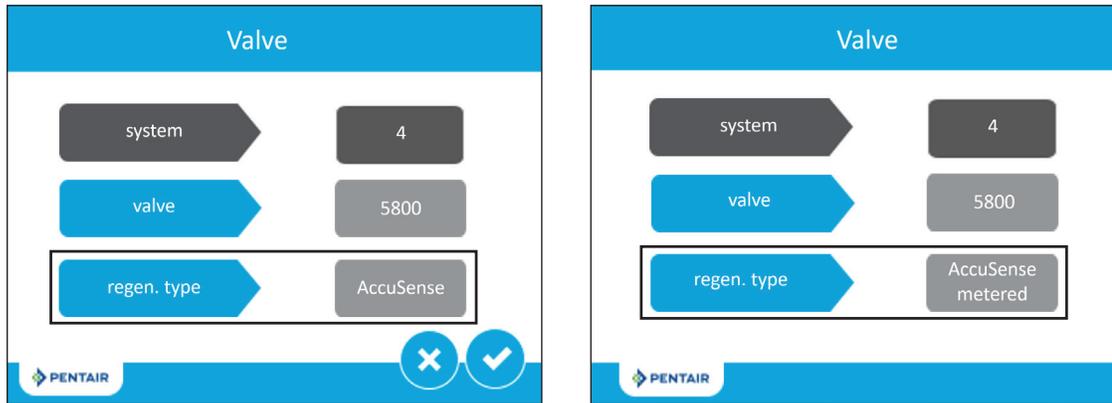
### To Choose Sensor Regeneration Type

From the XTR2 main Master Settings screen, press the valve button to display the valve screen.

Press the regen. type button and scroll through the options until the AccuSense metered option is seen.

Press the check mark button to select.

## REGEN TYPE SELECTIONS



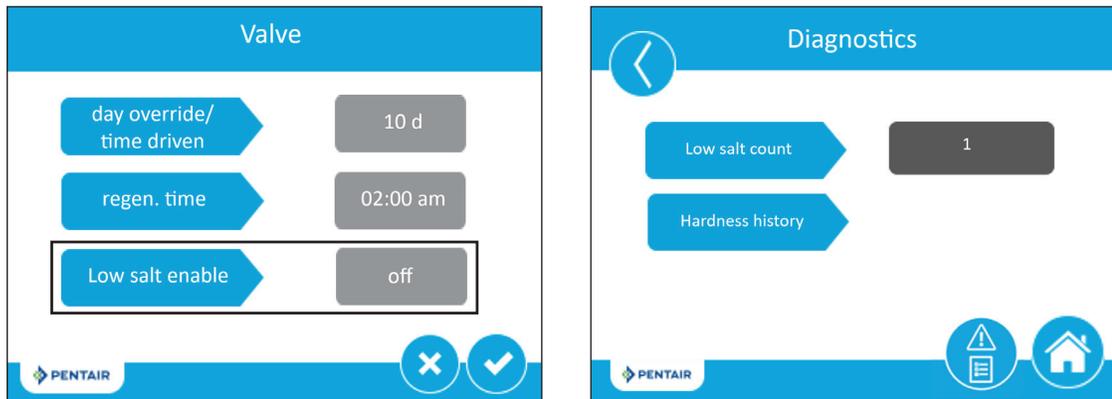
**NOTE:** Hardness and hardness units settings will no longer be available when in the regen. type: AccuSense mode.

Proceed to program valve settings as normal, including meter, when using AccuSense with meter (reference 5800 XTR2 Service Manual for additional instructions).

## NEW ACCUSENSE FEATURES

### LOW SALT EVENT

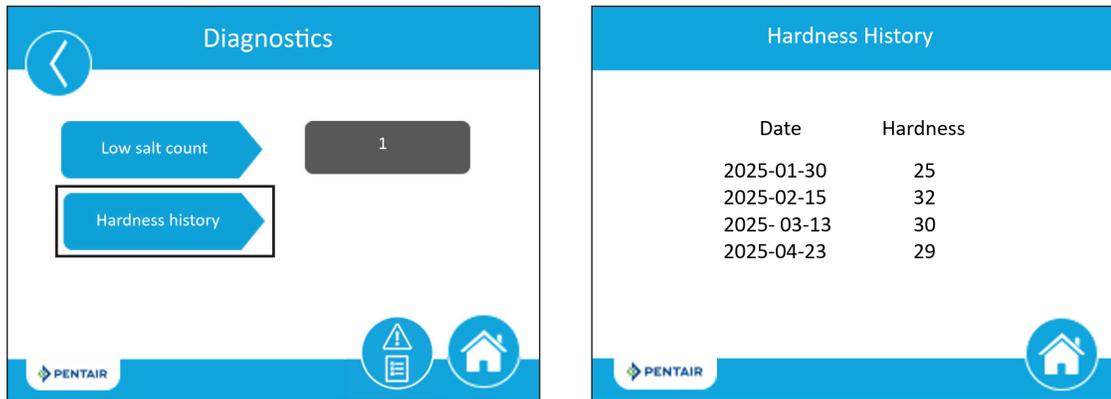
Low salt event monitors the conductivity of brine solution salt during a regeneration using the sensors. When a low salt event occurs, the user will be alerted with a no salt alarm on the control. There will also be a counter in the diagnostic pages to track how many times this low salt event has taken place. This feature can be turned ON/OFF by the user in master settings under the valve submenu.



## NEW ACCUSENSE FEATURES CONTINUED

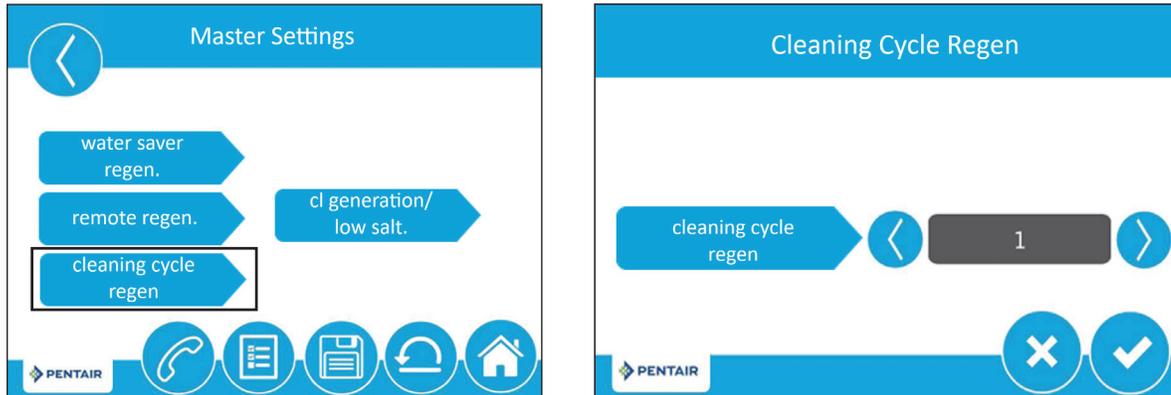
### NEW HARDNESS HISTORY IN DIAGNOSTIC MENU

For AccuSense Metered a new diagnostic screen displays the last four (4) hardness values and the date of hardness change.



### CLEANING CYCLE REGENERATION

Cleaning cycle regen is a regeneration that performs double the user set backwash and rapid rinse times to increase the time to clean and rinse the media. This setting sets the number of standard regeneration cycles, 1-25, between each cleaning cycle regeneration.



### ADAPTIVE CALENDAR OVERRIDE (ADP)

Adaptive calendar override is a feature that adjusts the calendar override based on the average days between regens. This allows the calendar override to modify based on the usage and regen patterns.

Available Settings for AccuSense and AccuSense Metered	
Day Override	<ul style="list-style-type: none"><li>• ADP</li><li>• Adaptive Calendar Override</li><li>• Off</li><li>• 1-99 days</li></ul>

### RESERVE TYPES FOR ACCUSENSE METERED

**Variable Reserve**

**Weekly Reserve**

**Fixed %-** For AccuSense Metered, Fixed % reserve type will only allow 0-20% to be set

**Fixed Volume-** For AccuSense Metered, Fixed volume reserve type will only allow 0-20% of your total volume

SHOULD YOU HAVE QUESTIONS ABOUT SETUP, CONTACT PENTAIR TECH SUPPORT AT [TECH-SUPPORT@PENTAIR.COM](mailto:TECH-SUPPORT@PENTAIR.COM).

For Pentair Product Warranties visit the website or contact Pentair at the phone numbers below:

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**[Pentair.com/assets/residential-filtration-warranty](https://www.pentair.com/assets/residential-filtration-warranty)**



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