

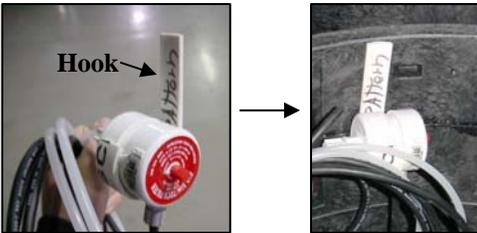


Items Included

- 1 - Pressure Alarm Switch
- 1 - Pressure Switch JHook

## Pressure Alarm Switch (STF-101 & STF-101A) Installation Instructions

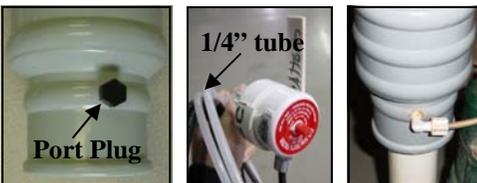
### Step 1 Install Pressure Alarm Switch in upper portion of tank riser.



**Tips:**

Screw or bolt the included hook into the riser and snap the pressure switch into place. (the hook has a predrilled 1/4" hole)  
Try Sim/Tech's STF-JHOOK for organizing extra wires and rope.  
Try Sim/Tech's series of float tree brackets and float holders for organizing and adjusting your floats and wires.

### Step 2 Route 1/4" tube down to 1/4" port on pressure filter and attach to filter port.



**Tips:**

**Make sure tubing doesn't interfere with moving parts (floats, valves, etc.)**  
The black port plug will need to be unscrewed from the pressure filter.  
If tubing requires shortening, shorten on pressure filter end.  
**Do not remove tubing from pressure switch.**

### Step 3 Route wire out of tank with other wiring and wire to alarm.



**Tips:**

Pressure switch can be wired alone or with high level float.  
Need an alarm? Sim/Tech Filter has the STF-107 alert w/latching light.

### Step 4 Adjust pressure switch for desired alarm activation pressure.

**Switch adjustment steps**



1. Remove 1/8" plug on top of switch and insert 7/32" hex wrench.
2. Start pump and let run for one minute (for pipes to fill)
3. If alarm triggers, turn wrench clock-wise one turn (to increase pressure setting) and reset the alarm. Repeat until alarm is not triggered.
4. While pump is running and alarm reset, turn wrench counter-clock-wise until alarm is triggered. This is your operating pressure.
5. Turn wrench one turn clock-wise. (Approximately 3PSI above operating pressure) If nuisance triggering of alarm occurs increase pressure setting in small increments until this issue stops.
6. **Important: After adjusting switch, replace 1/8" plug.**

**Tips:**

The pressure switch comes factory preset at 8 psi.  
A ball valve can be installed on the force main to test for proper operation of the pressure switch and alarm. This is done by closing the valve to simulate a clogged filter.