

FS34PRESSMPT – Water Heater Kit with 3/4" Press x MPT Valve

Leak Detection & Automatic Water Shut-off System Installation and Operating Manual

Congratulations on your purchase of a FloodStop electronic water leak detection and automatic water shut-off kit for water heaters. This product has been designed to give you years of reliable service and minimize home water damage by detecting water leaks and automatically shutting off the water supply.

To ensure proper installation and to maximize the performance of your FloodStop water leak detection system, please read this manual thoroughly.

PLEASE READ CAREFULLY BEFORE PROCEEDING: If a leak is detected, the FloodStop valve will shut off the water going to the water heater. This will stop the continuous flow of water from the water supply valve to the water heater. However, all or some of the water that is already in the water heater and hoses may still leak out onto the floor.

FEATURES:

- Control Panel has easy to read, lighted function buttons
- AC Power with battery [DC] backup – For continued operation in the event of power outages
- Solid brass, full port motorized ball valves for dependable, long lasting performance
- Valves automatically shut-off the water supply when a leak is detected
- Automatic monthly maintenance cycling of the valves to ensure reliable operation
- Valves can be opened and closed with the touch of a button
- Activates an audible alarm when a leak is detected
- Mute button to silence the audible alarm
- Can be reset and reused continuously with the touch of a button
- Can be tested at any time with the touch of a button
- Can accommodate additional water leak sensors
- 1 Year Limited Warranty

THIS PACKAGE CONTAINS:

- A** [1] FloodStop Motorized 3/4" NPT MIP x FIP Valve
- B** [1] Control Panel
- C** [1] Leak Sensor with Paper Sleeve
- D** [1] AC Adapter
- E** [1] Wire Harness
- F** [1] Hook & Loop Mounting Pad
- G** [2] Mounting Screws with Anchors
- H** [1] Pigtail to connect to Wi-Fi unit or Building Maintenance System

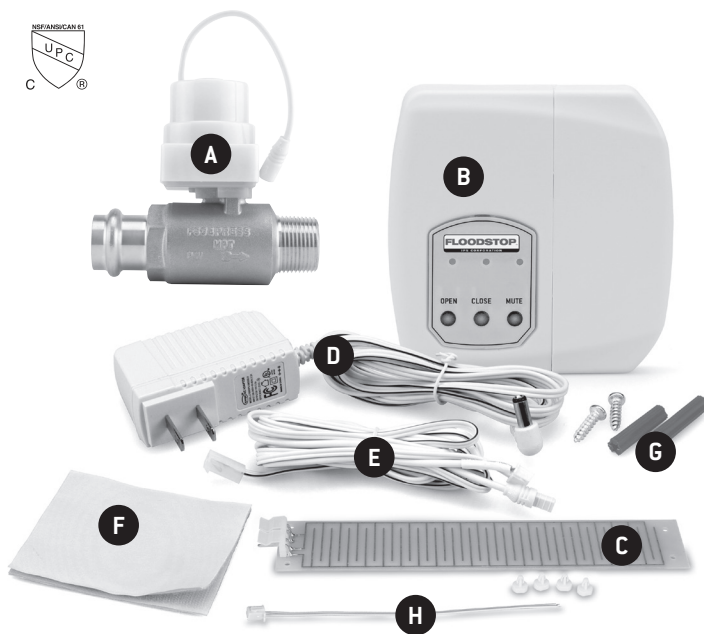
Check to make sure everything in the package matches the Contents Listing above. Read the instructions thoroughly before installing or operating the FloodStop system.

WARNING: Do not put finger[s] inside FloodStop Valves. Risk of serious injury may occur. Caution: Do not grip plastic motor drive for leverage when tightening FloodStop Valves.

STOP: You may need to purchase additional fittings to install the FloodStop Valve to your existing water line. We recommend that you contact a licensed plumber.

WARNING:

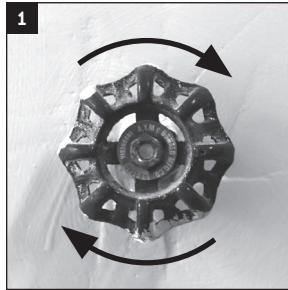
- For use with water only.
- Do not install on gas line.



INSTALLATION

1. Close the main water supply valve.

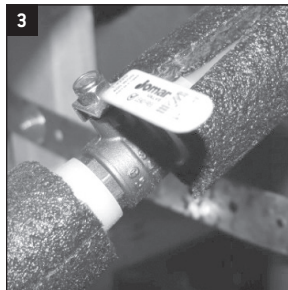
Step 4 instructs you to install the FloodStop Motorized 3/4" Press x MPT Valve between the rigid water line coming off the manual cold-water valve and the water heater. Most rigid lines will be copper. Evaluate your line to ensure this model is appropriate to install, as it is intended to install to rigid copper from the water supply side. Use an appropriate copper press tool to install valve to water supply side. Then determine what size union you will need between the FloodStop valve and the water heater. Note that in some cases you can use a flexible or corrugated water heater connector in place of a union.



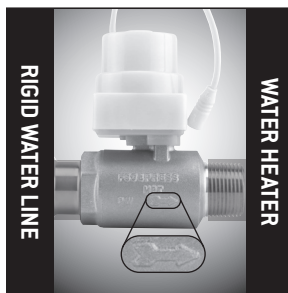
2. Open faucet nearest water heater to relieve water pressure.



3. Shut off the manual cold-water valve that supplies water to the water heater. Note that the top of the water heater will usually be marked "Cold" or "Inlet" at the point where the cold-water line is connected.



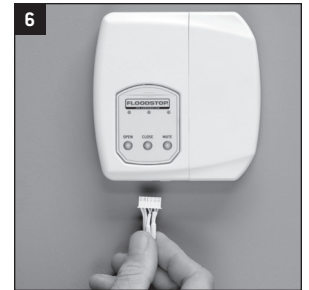
4. Install the FloodStop Valve between the rigid water line coming from the manual cold-water valve and the water heater, positioned so that the arrow on the side of the valve is pointing toward the water heater (in the direction of the flow of water.) **NOTE:** The FloodStop Valve should be installed within 2 feet of the water heater so that the Leak Sensor can lay flat on the floor.



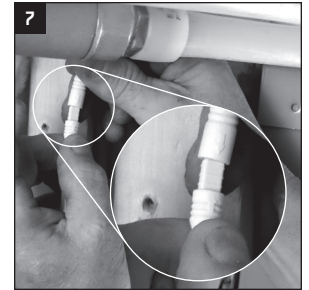
5. Mount the FloodStop Control Panel in an easily accessible location within 30 inches of the FloodStop Valve. You may mount the panel using the screws and anchors, or the Hook & Loop Mounting Pad provided. When using the Hook & Loop Mounting Pad, make sure the adhesive is put on a clean, dry surface.



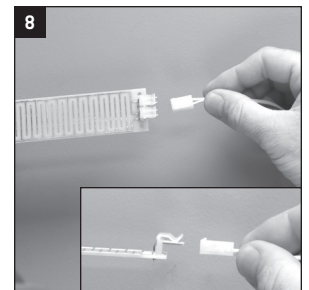
6. With the contacts of the wire harness connector facing you, plug the 6-pin connector end of the Wire Harness into the bottom of the Control Panel.



7. Take the short wire coming from the Control Panel and connect to the FloodStop Valve wire (make sure the arrow on the side of the plugs line up with each other).



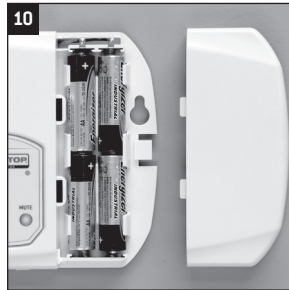
8. Connect the plug on the end of the long flat wire coming from Control Panel to either set of prongs on the Leak Sensor, pushing until plug snaps in place. Then place Leak Sensor on the floor at the base of the water heater – in the water heater pan if there is one. **NOTE:** Additional Leak Sensors can be connected in series for added protection. For additional Leak Sensors, purchase FloodStop Water Leak Sensor (Part #2007 – FSAX01) available where you purchased your FloodStop System. **CAUTION:** Do not place Leak Sensor or cord in a walkway, or other location that may cause someone to trip and fall. **NOTE:** The Leak Sensor comes with a Paper Sleeve. This prevents the Leak Sensor from coming into contact with conductive materials (metal, tile, concrete, etc.) If the Leak Sensor were to contact one of these materials, it could trigger an inadvertent alarm. The sensor will still be able to detect water with the paper sleeve on.



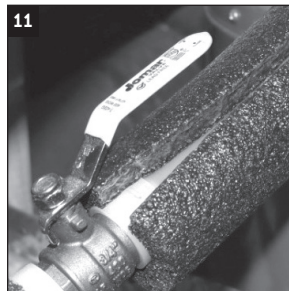
9. Plug the pin on the end of AC Adapter cord into the bottom of the Control Panel. Then plug the AC Adapter into a wall outlet. Green indicator lights will start to flash, showing you have power. **NOTE:** If a nearby wall outlet is not available you will need to purchase a thin low voltage FloodStop 9 ft. AC Adapter Extension Wire [Part #20091 – FSAWAE9], available where you purchased your FloodStop System. This wire extends the length of the AC Adapter cord. Max. extension 30 feet. **CAUTION:** Do not plug the AC Adapter into an extension cord.



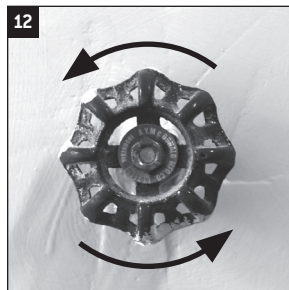
10. FloodStop has a battery backup system that allows the unit to continue working if you have a power outage. To set up the backup system, open the front of the Control Panel and install 4 fresh AA alkaline batteries (not included). **CAUTION:** Replace batteries once a year or sooner as necessary. If batteries need to be changed sooner, a red low battery indicator light will flash, and a beep will sound every 45 to 60 seconds.



11. Open the manual cold-water valve that supplies water to the water heater from step 3.



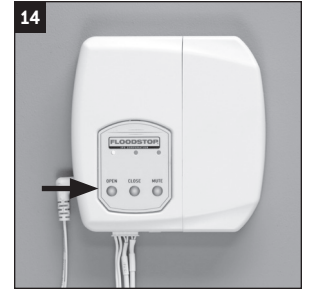
12. Gradually open the main water supply valve.



13. Once the water has stopped sputtering as the air has been bled from the line, shut off the previously opened faucet from step 2.

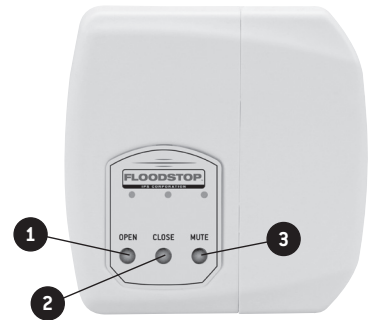


14. Press the OPEN button on the FloodStop control panel to ensure the FloodStop valve is open and operational. Check for leaks.



HOW TO OPERATE YOUR CONTROL PANEL

- 1 Left button opens FloodStop Valve.
 - 2 Middle button closes FloodStop Valve.
 - 3 Right button mutes the audible alarm that sounds when a leak is detected.
- NOTE:** Mute button will not silence the "low battery" chirp (short beep every 45 to 60 seconds.)



TESTING YOUR FLOODSTOP SYSTEM

1. Push the Open button to make sure FloodStop Valve is open.
 - When the FloodStop Valve is opening or closing, you will hear the valve motor operating for a few seconds.
2. Remove the paper sleeve from the leak sensor. Dip your finger in a cup of water and allow a drop or two to fall onto the sensor. An audible alarm will sound, and the red LED will flash. In fact, touching the sensor with your finger will typically trigger an alarm.
 - Push the Mute button to silence the alarm. Note that the red light will continue to flash. This means the FloodStop Valve is closed and will remain closed until you push the Open button.
 - **NOTE:** If water adequately evaporates from the Leak Sensor the audible alarm will stop and the red LED will go solid. You will still need to press the "open" button to rearm the system.
 - Before the FloodStop Valve can be opened, the Leak Sensor needs to be dry. There is no need to unplug the unit when drying off the Leak Sensor.
 - Removing the paper sleeve from the Leak Sensor will save you the time of waiting for the paper sleeve to dry.

PRESSURE DROP DATA

The maximum pressure drop for this device is 2 psi at a flow rate of 5.5 GPM for NPS-3/4 and larger.

HELPFUL HINTS

- If the Leak Sensor Paper Sleeve is misplaced or becomes unusable, a paper towel can be used in its place.
- The Leak Sensor has two sets of prongs which allows you to connect additional Leak Sensors in series. By linking them together you can achieve greater reach from the Controller Unit.
- The FloodStop valves are programmed to automatically cycle closed and back open on their own as a self-cleaning measure to mitigate against mineral deposits and hard water build-up. This will ensure that the valves will function properly when needed.
- Hanging Wires may be tied together using twist ties (Not provided).

TROUBLESHOOTING

Problem	What to Check
Status light does not illuminate	<ul style="list-style-type: none"> • Make sure there is power to the outlet. • Unplug AC Adapter cord from Control Panel and plug back in. • If an AC Adapter extension wire was used, unplug both ends and reconnect. • Make sure fresh batteries are in the Control Panel. • If operating only on battery power the green "open" light will only flash intermittently.
No water comes out of hot side of faucet	<ul style="list-style-type: none"> • Push Open button to make sure FloodStop Valve is open.
FloodStop Valve does not operate	<ul style="list-style-type: none"> • Make sure both sides of Sensor are dry. • Make sure there is power to the outlet. • Unplug AC Adapter cord from Control Panel and plug back in. • Unplug 6-pin connector from Control Panel and reconnect. • Locate plug connection between Control Panel and the FloodStop Valve that does not operate. Unplug the connection and reconnect, making sure arrows on side of plugs line up. • If an AC Adapter extension wire was used, unplug both ends and reconnect. • Make sure fresh batteries are in the Control Panel. • Push the Close button and wait a few seconds. Then push the Open button.
The alarm goes off for no apparent reason	<ul style="list-style-type: none"> • Leak Sensor is touching metal, or the concrete is sweating causing high humidity. Correct the problem by placing the Paper Sleeve on the Leak Sensor, or use a paper towel as a barrier. • To make FloodStop less sensitive to moisture, use a flathead screwdriver to turn the recessed button on upper left side of control panel clockwise. NOTE: it only turns 180° and the factory setting is already in the middle – so it should only turn 90° either way.

MANUAL OPERATION OF FLOODSTOP VALVE

1. Unplug the connection between the control panel and the FloodStop valve.
2. Pull the plastic motor cover off the FloodStop valve and slide it down the wire until it stops at the plug. Note that no tools are needed to remove the cover.
3. Use a marker and draw a line across the top of the plastic motor housing. This way once the motor is removed you will know how to reposition it for assembly.
4. Remove the 4 screws using a Phillips head screwdriver.
5. Place thumb and finger on plastic gear and rotate clockwise to open valve or counter clockwise to close it. Do not use tools to manually open or close valve.

TERMS AND CONDITIONS

Orders for this product are expressly made conditional on buyer's assent to company's terms and conditions of sale, which can be found at <https://ipscorp.com/pdf/ipsdp-tc.pdf>, or are available upon request by mail. Any terms and conditions in any of buyer's documents that are inconsistent with or add to seller's terms and conditions of sale are hereby rejected and are not binding upon company.



<https://ipscorp.com/terms-and-conditions/>

To obtain warranty service, call our customer service department at 1-800-888-8312, or e-mail us at tncustserv@ipscorp.com.

FLOODSTOP WATER HEATER KIT

This equipment has been tested and found to comply with the limits for a class b digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/tv technician for help.