



Installation and User's Manual

GF1081 V1.4



www.PipeBurstPro.com

800-246-LEAK (5325)

Congratulations on the purchase of your new PipeBurst Pro Jr. Flood Control System!

Please visit www.PipeBurstPro.com for new components, features, tips and tricks and troubleshooting information.

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Installation

1. Tool Requirements

Note: These tool requirements assume the TickerValve is already installed by a licensed plumber.

- 1.1. Electric drill, drill bits, and screwdriver tips to mount the VIP Jr. and FloTrol to your wall as desired.
- 1.2. Phillips #1 or #2 hand screw driver for final hand tightening.
- 1.3. Utility knife.

2. Instructions

2.1. **EXTREMELY IMPORTANT:** INSTALL TICKERVALVE **AFTER** ALL FIRE SUPPRESSION LINES THAT MAY BE IN PLACE FOR THE FACILITY.

2.2. Use a licensed plumber to install the TickerValve in the facilities' inlet water line(s). Proper placement of the valve is extremely important to fully protect the facility from fire and water damage.

Note: Insure that adequate pipe thread sealant is used during valve installation. A soap bubble test is recommended to detect leaks at the pipe connections.



Common TickerValve Installation

2.3. Attach TickerValve actuator to the valve head and secure with 2 nuts provided.

2.4. Position the Valve Interface Panel Jr. (VIP Jr.).

Note: Verify that the TickerValve wires will reach the VIP Jr., the SideKick will reach from the VIP Jr. desired water detection point, and the AC adapter will reach from the VIP Jr. to the AC outlet.

2.5. If the system has been purchased with the optional FloTrol and / or Base Hardwire Kit, connect those wires at this time. See section 5 – FloTrol and / or 0 – Base Hardwire Kit Security for connection information.

2.6. If the PipeBurst Pro Jr. system is to be connected to a security system, make those connections at this time. See section 7 – Security System Interface for connection information.


2.7. Use the open holes located on the left and right side of the case to mount the VIP Jr.

Note: Hardware not included.

2.8. Connect the water proof Deutsch plug from the actuator to the VIP Jr.

2.9. Plug in AC adapter to standard 120VAC outlet.

Note: A battery backup, similar to those used on computer systems, may be used for uninterrupted protection.

2.10. The basic system is now installed, and the TickerValve can be turned on and off by pressing  on the keypad.

Setup and Operation

3. Valve Interface Panel Jr. (VIP Jr.)

3.1. Component Description

- a. The VIP Jr. is the central control and user interface for the PipeBurst Pro Jr. system. It operates the TickerValve and indicates the system state with two LEDs and an audible alarm. Shown here with the attached SideKick.
- b. Every 28 days the VIP Jr. will automatically cycle the TickerValve keeping it free and clear of hard water build up and ready to operate when needed.






VIP Jr. with SideKick

- c. The VIP Jr. will cycle the TickerValve closed and back to open if it is open or between the open and closed position at the time of a power outage. If the TickerValve is closed at the time of a power outage the VIP Jr. will not move it from the closed position.

3.2. Button Function

a. WATER ON / OFF:

1. Press  to manually open and close the TickerValve.
2. When water has been detected press  once to acknowledge the alarm and turn off the beeper. The leak is then repaired and  is pressed again to open the valve.

3.3. System Condition

WATER ON	Green LED
WATER OFF	Red LED
WATER DETECTED	Red LED and Audible Alarm

4. SideKick

4.1. Component Description

- a. The SideKick is a stainless steel water detection device that utilizes gold plated sense pads to signal the VIP Jr. if water is detected. This signal will, trigger the alarm, close the TickerValve, and provide protection against further water damage.

4.2. Placement

- a. It is important to remember that water must reach the SideKick to activate the system, these locations should be:
 1. Clean and free of dirt and debris.
 2. The lowest point in the flow path of potential water leaks. The system will not have the quick response desired if the sensors are placed on high spots or shielded from the flow of water.
 3. On a hard smooth surface, if possible. Absorbent surfaces such as carpet will potentially increase the amount of water and time needed for the SideKick to react and send the signal to close the TickerValve.
- b. Test each SideKick by placing a small amount of water between the gold sense pads. The VIP Jr. should close the TickerValve and signal with an audible alarm.

Note: SideKick must be dried out after testing before resetting of the system is possible.



SideKick

5. FloTrol

5.1. Component Description

- a. The FloTrol is an optional hardwired remote control switch used to operate the TickerValve and indicate the system state with two LEDs and an audible alarm. While the exterior appearance of the FloTrol looks similar to the VIP Jr. the interior components are different inside.

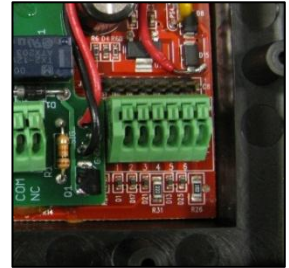


FloTrol

5.2. Installation

- a. Remove the four screws and the back cover from the FloTrol.
- b. Remove the necessary knockout slots with the utility knife and feed 5 conductor solid strand thermostat control wire (not included) through to the "FLOTROL" terminal block. 5 wires are required to make the necessary connections.
- c. Connect the control wire to the "FLOTROL" terminal block on both the VIP Jr. and FloTrol circuit boards. Terminals 1 through 5 must be connected. Wire terminal 1 to 1, 2 to 2, 3 to 3, 4 to 4, and 5 to 5. Terminal 6 is not in use.
- d. Use the open holes located on the left and right side of the case to mount the FloTrol.

Note: Hardware not included.



**VIP Jr. To FloTrol
Terminal Block
(VIP Jr. Rear View)**

5.3. Button Function

- a.  WATER ON / OFF: Press  to manually open and close the TickerValve.

5.4. System Condition

WATER ON	Green LED
WATER OFF	Red LED
WATER DETECTED	Red LED and Audible Alarm

6. Optional Base Hardwire Kit & Wiring Center

6.1. Component Description

- a. The Base Hardwire Kit includes an Adapter Wire, Junction Box, 5 Wall Jacks, and 5 SideKicks.
- b. The Wiring Center includes the wiring center device, 4 mounting screws, and location labels.
- c. This option allows the user to expand coverage to multiple locations throughout the facility.
- d. Considerations and Recommendations
 1. Generally, more sensors create a greater coverage area and leads to a quicker response to a potentially damaging leak.
 2. Place the SideKick near any potential leak source. Some common appliances and fixtures known as likely leakers are: refrigerators, dishwashers, toilets, sinks, showers, and water heaters.



Wiring Center & Junction Box



Base Hardwire Kit



6.2. Installation

- a. Caution: use solid strand Phone, CAT3, or CAT5 control wire for all hardwire kit connection points (not included).
- b. Remove the back cover of the VIP Jr. and locate the jack labeled "SIDEKICK SENSOR". Unplug the SideKick and plug in the Adapter Wire.
- c. Mount the Junction Box securely as desired and plug in the Adapter Wire.
- d. Run the home run cable throughout the facility to gain the greatest protective coverage area.

Note: Installing a SideKick in the same room as the VIP Jr. is recommended as this is usually a key potential leak area of the entire facility.
- e. Mount the Wall Jack plates and terminate the home run cable under each respective terminal.
- f. Terminate the other end of the home run cable wires under respective terminals in the Junction Box and fasten securely.



Note: Place no more than 5 home run cable wires under each terminal in the Junction Box. If there are more than 5 home run cables, the Wiring Center (GF9030) will be needed to complete installation. See www.PipeBurstPro.com for more information on the Wiring Center.
- g. Fully insert each SideKick connector into the Wall Jack; there should be no movement in or out when the wire is pulled and pushed.
- h. Test each SideKick by placing a small amount of water between the gold sensor pads, once system is completely set up. The VIP JR should close the TickerValve and signal with an audible alarm, if it does not; check the connections at the wall jack, Wiring Center, and Junction Box to ensure proper wiring. SideKicks must be dry before resetting of the system, or else it will fault.

8. Cleaning and Maintenance

- 8.1. Annual system cleaning and check is recommended to ensure proper operation. Cleaning the SideKicks with a wet towel accomplishes many tasks at once.
 - a. The cleaning keeps the gold sense pads free of any dirt, debris, or other material that may inhibit the detection of water.
 - b. The operation of the TickerValve and the alarm is checked when the wet sponge bridges across the gold sensor pins. If the valve does not close and/or the alarm does not sound contact your service representative.
 - c. After the TickerValve has closed from the alarm open the valve by pressing . By operating the TickerValve it will help keep clear of hard water mineral build up on interior valve components and free to operate when needed. If the valve does not open or close when  is pressed contact your service representative.

Troubleshooting



9. What To Do When Water Is Detected

- 9.1. When the SideKick detects water the valve will close, the “Water Off” red LED will light, and the alarm will sound.
- 9.2. Press  to acknowledge the alarm.
- 9.3. Locate the source of the leak and repair.
- 9.4. Dry each SideKick that has detected water.
- 9.5. Press  a second time to open the TickerValve and return to normal operation

10. The TickerValve Will Not Open And / Or Close

- 10.1. Ensure the AC power is plugged into the wall outlet. If power is present one of the LED's on the VIP Jr. will be lit.
- 10.2. Ensure the Deutsch plug from the TickerValve to the VIP Jr. is connected.
- 10.3. If power is present and TickerValve and VIP Jr. are properly connected. Remove the two nuts from the bottom of the electric TickerValve actuator and open and close the valve with the manual handle to verify if valve operates smoothly or has seized up due to mineral build up on the inside of the valve.
- 10.4. If problems remain please contact the GreenField Direct Customer Support Department.

11. The TickerValve Starts To Open Or Close But Will Not Complete The Cycle

- 11.1. Press  and the TickerValve will reverse direction in an attempt to free the valve.
- 11.2. Press  a second time to try and open or close the TickerValve.
- 11.3. If it will still not complete the cycle repeat steps 1 and 2 a second time.
- 11.4. If the TickerValve continues to stick remove the actuator and operate the valve with the manual handle to attempt to free the valve.
- 11.5. If problem remains please contact the GreenField Direct Customer Support Department.

Customer Support:

GreenField Direct, LLC

14015 238th Street

Greenwood, NE 68366

<http://www.greenfelddirect.com/contact.php>

Fax: (402) 944-2402

Phone: (800) 246-LEAK (800-246-5325)

E-Mail: info@PipeBurstPro.com

Operating Hours: Monday - Friday, 9:00am - 4:00pmCST (Excludes Major Holidays)

Warranty - PipeBurst Pro Products 7 Year Limited Warranty -

GreenField Direct, LLC of 14015 238th St, Greenwood, NE 68366 ("Warrantor"), warrants to the original purchaser and installed location of the PipeBurst Pro, manufactured by Warrantor, and to any person to whom such originally installed equipment is transferred to via the transfer of said real property that original installation was made, that such equipment shall be free from defects in materials and workmanship during a two (2) year period; additionally the electric valve actuator enclosure and its' electronic components inside, shall be free from interior moisture damage for a period of seven (7) years; both periods commencing upon the receipt of order date for such equipment from the original purchaser thereof; (the "warranty periods").

Note: Full warranty details can be found at:

<http://www.pipeburstpro.com/pdf/Warranty.pdf>

FCC Disclaimer - 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment under FCC rules.

Power Requirements:

- For Indoor Use Only
- Requirements for US & Canada
- Use supplied AC Adapter

VIP Jr.	
Input	100-240V ~50/60Hz 1.0A MAX
Output	18V DC 2.22A



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