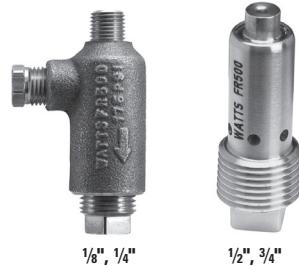


**INSTALLATION INSTRUCTIONS****FPTC-1****Thermostatic Freeze Relief Kits**

Sizes: 1/8" – 3/4" (3 – 20mm)

The FPTC-1 Thermostatically measures the water temperature and will open at 35°F and close at 40°F. This design keeps the water from freezing in the backflow preventer, while avoiding discharges based on the air temperature dropping to or below freezing.

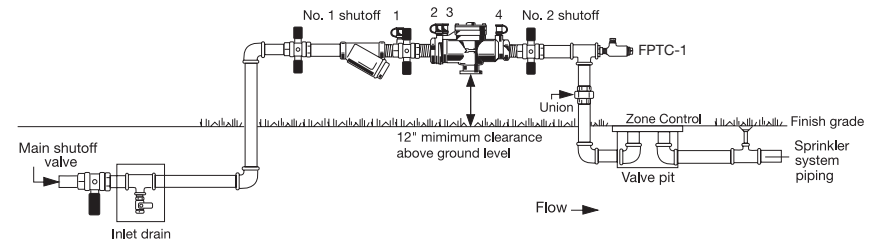
**Installation Instructions**

The FPTC-1 should be installed where freezing is of concern based on exposed piping. When the valve is used in conjunction with a backflow preventer, the FPTC-1 should be located downstream of the assembly. Please note that additional FPTC-1s can be located upstream if desired.

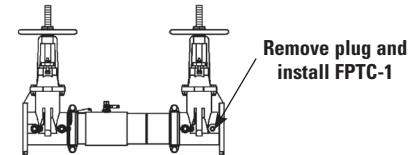
The valve can be installed at any orientation to the centerline of the pipeline. However, whenever possible the valve should be vertical down to horizontal. This will allow the water to drain out of the FPTC-1's outlet and avoid the potential of an ice dam impairing the function of the valve.

Care should be given to ensure that discharged water will be adequately piped away from areas where slipping on ice could be a danger, like roadways and pathways. Do not insulate the FPTC-1 or install it where it will be exposed to a heat source.

- 1/8" & 1/4" (3 & 8mm) install FPTC-1 via downstream tee
- 1/2" & 3/4" (15 & 20mm) install FPTC-1 via downstream tee or with additional shutoff tap

**Downstream Tee Installation**

**Note:** That when insulating piping, freeze relief should not be insulated to guarantee that this is the coldest section.

**Additional Shutoff Tap Installation**

**CALIFORNIA PROPOSITION 65 WARNING**  
**WARNING:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. (California law requires this warning to be given to customers in the State of California.)  
**For more information: [www.watts.com/prop65](http://www.watts.com/prop65)**

**Limited Warranty:** FEBCO warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge.

**THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

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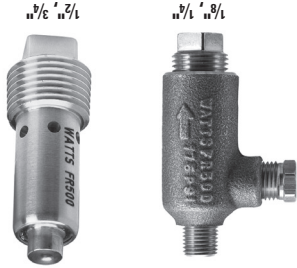
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# FPTC-1

## Thermostatic Freeze Relief Kits

Sizes: 1/8" – 3/4" (3 – 20mm)



The FPTC-1 Thermostatically measures the water temperature and will open at 35°F and close at 40°F. This design keeps the water from freezing in the backflow preventer, while avoiding discharges based on the air temperature dropping to or below freezing.

### Installation Instructions

The FPTC-1 should be installed where freezing is of concern based on exposed piping. When the valve is used in conjunction with a backflow preventer, the FPTC-1 should be located downstream of the assembly. Please note that additional FPTC-1s can be located upstream if desired. The valve can be installed at any orientation to the centerline of the pipeline. However, whenever possible the valve should be vertical down to horizontal. This will allow the water to drain out of the FPTC-1's outlet and avoid the potential of an ice dam impairing the function of the valve. Care should be given to ensure that discharged water will be adequately piped away from areas where slipping on ice could be a danger, like roadways and pathways. Do not insulate the FPTC-1 or install it where it will be exposed to a heat source.



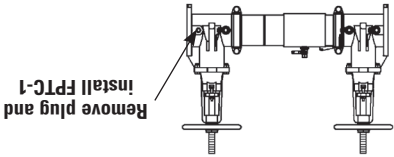
**Limited Warranty:** FEBCO warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. **THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product. Some States do not allow an implied warranty on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. **SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.**

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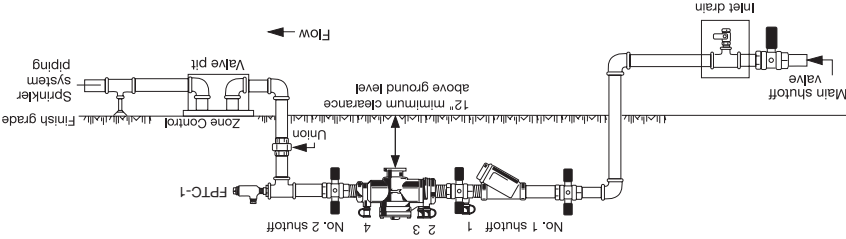
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### Additional Shutoff Tap Installation

**Note:** That when insulating piping, freeze relief should not be insulated to guarantee that this is the coldest section.



### Downstream Tee Installation

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