

# For Commercial Applications

Job Name \_\_\_\_\_  
 Job Location \_\_\_\_\_  
 Engineer \_\_\_\_\_  
 Approval \_\_\_\_\_

Contractor \_\_\_\_\_  
 Approval \_\_\_\_\_  
 Contractor's P.O. No. \_\_\_\_\_  
 Representative \_\_\_\_\_

## Series FR 500 Thermostatic Freeze Relief Kits

**Sizes: 1/8", 1/4", 1/2" and 3/4"**  
**(3, 8, 15 and 20mm)**

Series FR 500 Thermostatic Freeze Relief Kits are designed to keep water from freezing in the backflow preventer, while avoiding discharges based on the air temperature dropping below freezing. Series FR 500 thermostatically measures the water temperature and opens at 35°F (1.6°C) and closes at 40°F (4.4°C).



FR 500

### Features

- Compact
- Easy to Install
- Low Maintenance
- Controlled by Water Temperature vs. Air Temperature
- IAPMO Approved

### Specifications

A thermostatic freeze relief kit shall be installed on the back-flow preventer to prevent freezing. The relief kit shall thermostatically measure the water temperature and open at 35°F (1.6°C) and close at 40°F (4.4°C). Relief kit shall be a Watts Regulator Company Series FR 500.

### Materials

Body: Bronze  
 Springs: Stainless Steel  
 Internals: DZR Brass

### Pressure – Temperature

Working Temperature: 35°F (1.6°C)  
 Maximum Pressure: 175psi (12.06 bar)

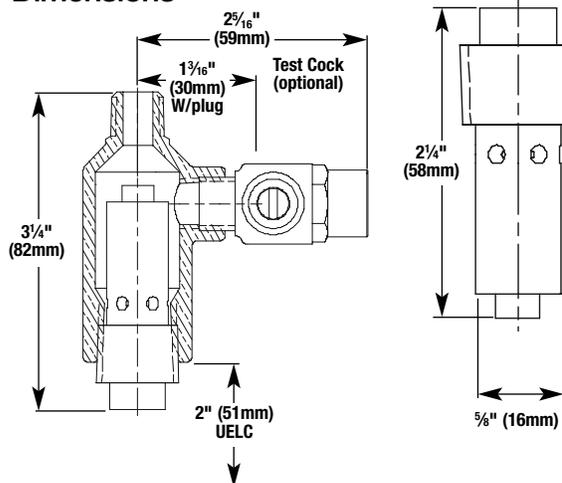
### Approvals



**Note:** 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.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.

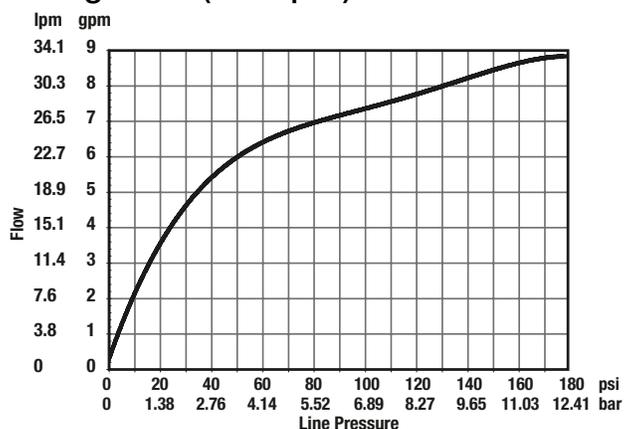
### Dimensions



Sizes: 1/8" and 1/4" (3 and 5mm)

Sizes: 1/2" and 3/4" (15 and 20mm)

### Discharge Rate (Full Open)



**Water Safety & Flow Control Products**