



ISO 9001 CERTIFIED

## HAT/FP

FREEZE PROTECTION VALVE

**epitécnica**  
Europa

### DESIGN FEATURES

- ◆ Stainless steel body, fittings, spring and plug
- ◆ Corrosion resistant - Long service life
- ◆ Narrow temperature band
- ◆ Compact, low mass - Fast response
- ◆ Ram-type plug for reliable tight shutoff
- ◆ Downstream actuator for greater sensitivity
- ◆ Sensitive to temperature only
- ◆ Unaffected by pressure variations
- ◆ Easy installation with pipe wrench
- ◆ Discharges the minimum amount of water required to prevent freeze damage



### ADVANTAGES

Typically freeze protection is effected by cracking open manual bleed valves. This method is at best risky. Human error or plugging of partially cracked valves annually accounts for large amounts of freeze damage to expensive equipment. **HAT/FP** valves eliminate this type of problem by automating freeze protection, reducing water consumption, and eliminating damage and down time. The unique ram-type plug and seat provide reliable, tight shutoff longer than any other design available. All **HAT/FP** valves are factory-tested and covered by a 36 month prorated warranty.

### APPLICATIONS

**HAT/FP** (Freeze Protection) valves are ideal for protection of piping, valves, fittings, pumps, condensate systems, safety showers, fire lines, spray nozzles, freeze sensitive equipment, or as backup protection on traced systems/equipment.

### OPERATION

Athermostatic element inside the valve senses temperature and if this falls below 35°F (1.7°C) the valve modulates open allowing water to flow. The valve will remain open as long as the water flowing by the sensor is less than 40°F (4.4 C). However, when the water flowing by the sensor becomes greater than 40°F (4.4°C) the valve will close.