



ISO9001:2015  
CERTIFIED

# Winning® SHUT OFF VALVE

## IN-LINE THERMAL CONTROL VALVE

### Benifits and Design Features:

- Eliminates live steam losses
- Downstream actuator for greater sensitivity
- Reliable shutoff: ram-type plug provides tight shutoff
- Compact, low mass for fast response
- Operating temperatures unaffected by variable inlet pressures
- Corrosion resistant: all stainless steel construction
- Operates in any orientation



### Application:

WINNING® Thermal Control Valve (Safety Shutoff Valves) are ideal for use in conjunction with tracer tubing and tracing systems using pre-traced tubing bundles. They are ideal for replacing conventional steam traps on winterization tracing, instrument tracing, condensate return system freeze protection, tracing for processes under 150°F (66°C), and other applications requiring in-line flow control based on temperature.

Excessively hot samples can cause damage to expensive and sensitive hardware and electronics. For process analyzers and similar instrumentation, it is important to assure that the process samples fluids are always below the maximum allowable temperature for such instruments. Sample coolers are commonly used to reduce sample temperatures to the acceptable limits. In the event of a loss of cooling fluid to the sample cooler, or if the desired sample temperature is exceeded for any reason, the SHUT OFF valve will close to prevent equipment damage.

### Operation:

The THERMAL CONTROL Valve responds only to temperature. After condensate forms and cools to near the setpoint, the THERMAL CONTROL Valve modulates the flow to maintain a constant condensate discharge temperature. THERMAL CONTROL Valves are wide open at start-up for rapid venting and initial heat-up. THERMAL CONTROL Valves are self-draining after shutdown, to eliminate freeze damage. For heating of temperature sensitive instruments or process fluids, the reduced temperature available for tracing simplifies operations and eliminates overheating problems. For other heat transfer fluids, THERMAL CONTROL Valves maintain a constant discharge temperature, thus providing benefits of accurate process temperature control and improved efficiency.

### Specification:

| Product Name   | Model | TUBE O. D. SIZE | Body Material | Maximum Temp<br>(° C) | Maximum Pressure<br>(MPa) | Flow Rate<br>(Cv) | Dimensions<br>(mm) | Net Weight<br>(kg) |
|----------------|-------|-----------------|---------------|-----------------------|---------------------------|-------------------|--------------------|--------------------|
| SHUT OFF VALVE | FP14  | 1/4"            | Stainless 304 | +120                  | 2MPa                      | 0.5               | Φ26*124            | 0.31               |

### Note:

Standard Temperature "XXX" Available:

95°F, 100°F, 105°F, 120°F, 130°F, 140°F. Other options, consult factory.

Beijing Winning® Thermo Control Equipment Co., Ltd.

Web: <http://www.valcoo.com>

Tel: 86-10-8404-4009

Fax: 86-10-8433-9655

Add: Chaoyang District, Beijing, China



ISO9001:2015  
CERTIFIED