

Temperature Safety Valve TPS 371

(Temperature Protection System)

The purely mechanical safety-turn-of-system TPS 371 (patent registration), which requires no external sources (electricity, hydraulics, etc) gives an optimal protection to the downstream analytical technique. Damages, caused by too high temperatures of the probe (loss of cooling water, etc.), could be avoided.

The standard trip temperature is 50 °C, other temperature settings are available upon request.

A very exact and precise reaction is ensured by using a Three-Ball-Shutting system. The shut off time is less than 5 seconds after the temperature reaches the setpoint.

For safety reasons the system has an easy to handle reset function, which must be activated after a breakdown.

The actual position of the valve (open or closed) is indicated.

An optional switch is available to provide a signal for a remote alarm.



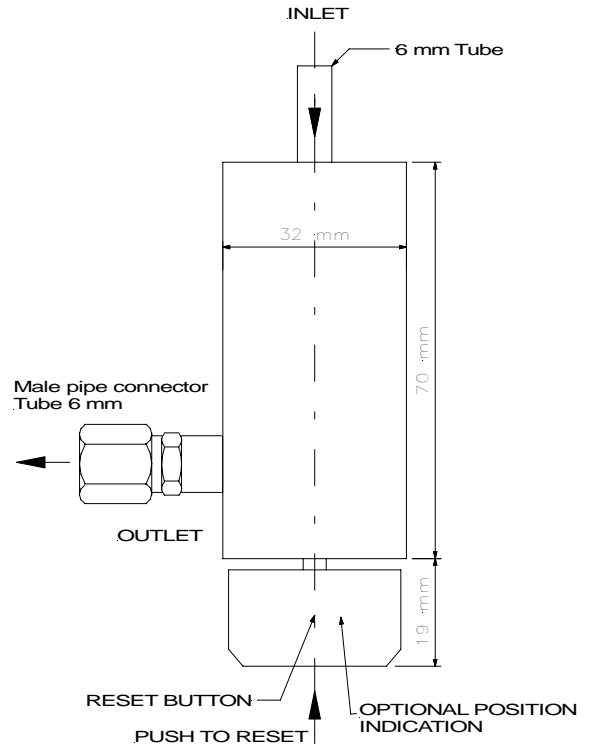
- ☞ **Pressure Rating up to 200 bar**
- ☞ **Protects Personnel and Analyzers**
- ☞ **No external sources required**
- ☞ **Shut Off Time less than 5 sec**
- ☞ **Easy Reset**

Area of Applications

- ☞ Loss of cooling water
- ☞ Insufficient cooling water pressure or flow
- ☞ High cooling water temperature
- ☞ Fouled or plugged sample cooler

Specifications:

Temperature Rating:	120 °C
Trip Temperature:	50 °C ± 2 °C (Standard)
Shut Off Time:	< 5 sec.
Reset - Temperature:	39 °C
Hysteresis:	approx. 10 °C
Inlet Pressure:	200 bar
Outlet Pressure:	15 bar
Pressure Drop:	Cv = 0.21
Material (Valve):	1.4571
Seale:	Viton
Connections:	Inlet: Tube Ø 6mm Outlet: Swagelok® Ø 6mm
Position Indication:	Inductive proximity Switch normally open (PNP)
Flow:	10 - 60 l/h
Weight:	500 g



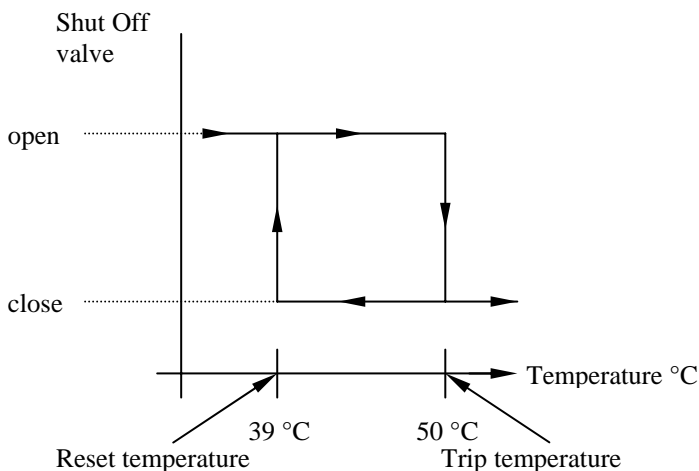
Technical changes without notice

Other trip temperature settings and applications upon request.

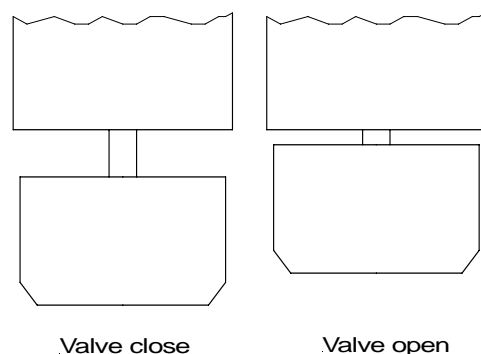
Attention:

**Valve reset possible only after reaching reset - temperature
Do not disassemble this valve
Maximum downstream regulated pressure should be limited to 20 bar**

Shut Off schemata



Position Reset button



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