

DESCRIPTION

For process analyzers and similar instrumentation, it is important to assure that the process sample fluids are always below the maximum allowable temperature for such instruments, for it 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 the operating temperature 49°C (120°F). The thermal actuator modulates the valve to close the inlet orifice to prevent equipment damage.

It can incorporate a switch to send an alarm when it has been triggered.

APPLICATIONS

- Steam & Water Sampling Systems.
- Automatic Thermostatic Bypass.
- Thermostatic Flow Control.
- High or Low Temperature Relief.
- High Temperature Safety Shutoff.
- Thermostatic Drain Valve.
- Thermostatic Cooling water Control.
- Thermostatic Condensate Drain.
- Heat Exchangers.

FEATURES

- Automatically resets, no operator involvement required.
- No outside Power Source required.
- Rugged, compact design, easy installation, fast response.
- Operating temperatures unaffected by pressure.
- Corrosion resistant: all stainless steel 316L construction.
- Delivers superior value vs. more expensive electric valves.
- Maintenance free.
- Dry contact for remote alarm indication (optional)

SPECIFICATIONS

Max. Pressure	200 barg (2900 psig)
Max. Temperature	180° C (356 °F)
Materials	SS316 Metallic parts / O-rings in Viton
Closing point	49° C (120°F) Other temperatures under requirement.
Connections	1/4 NPT f
Weight	1.2 kg (2.6 lb).
Switch	Type SPDT Degree of protections IP67 Rated operating current (Ie) 10A Rated operating voltage (Ue) 250 VAC Ambient operating temperature -10° to +80°C (with no icing) Ambient operating humidity 35% to 95% RH
(optional)	

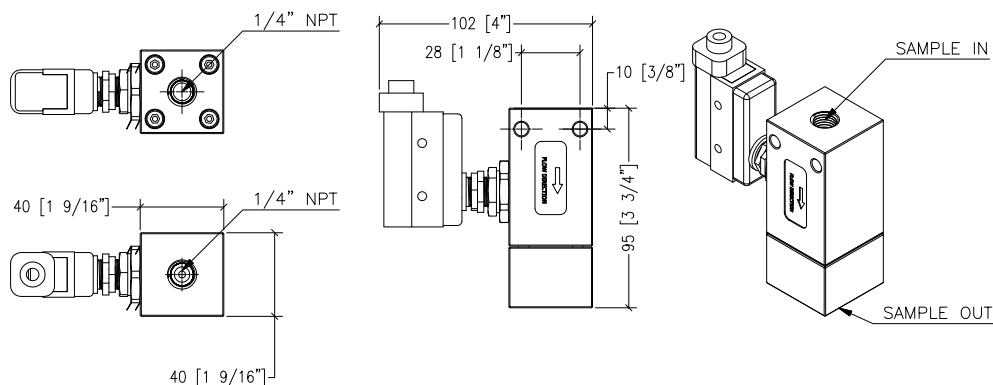
ORDERING INFORMATION

THERMAL SHUT-OFF VALVE	TVS-	--	--
Switch A.- Whithout Switch B.- With Switch.			
Set Temperature 49.- Close at 49 °C (120°F). XX.- Specify others close temperatures.			

SPARE PARTS

Part#	Name
DO-TVS	"O" Rings Kit
SW-TVS	Switch

DIMENSIONS



Units: mm [Inches in brackets]

Due to continuous improvements, Manvia reserves the right to change the design and specifications without notice