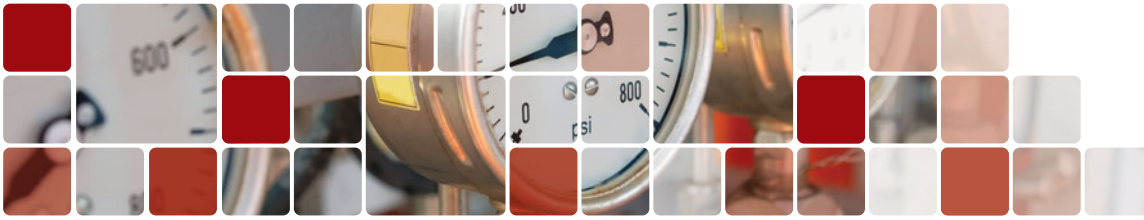




## PRESSURE & TEMPERATURE ACCESSORIES



# INDUSTRIAL PRESSURE & TEMPERATURE GAUGES

Our selection of **Industrial Pressure Gauges** includes hygienic pressure gauges, low pressure gauges, full safety pattern gauges, boiler gauges and pressure gauges with 4-20mA output.

Industrial Pressure Gauges

Hygienic pressure gauges

All stainless steel pressure gauges

Low pressure standard capsule gauges

Phenolic case pressure gauges

Mini hygienic pressure gauges

Square profile pressure gauges

Boiler gauges

Full safety pattern gauges

Schaeffer type pressure gauges

Our **Temperature Gauges** and **Thermometers** includes low cost back entry thermometers, anti-vibrating temperature gauges, bimetal type temperature gauges, industrial gas expansion type temperature gauges and our digital thermometers with optional 4-20mA output.

Temperature Gauges & Thermometers

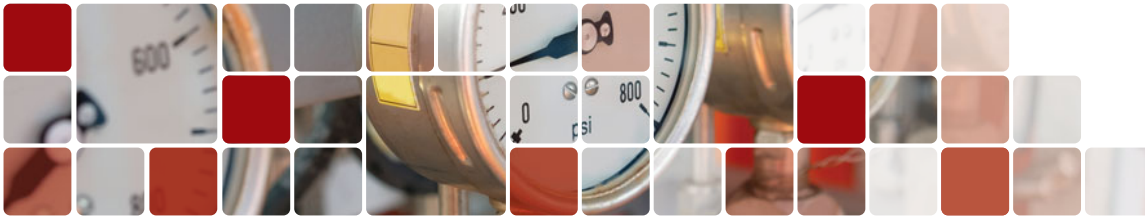
Low cost back entry thermometers

Anti-vibrating type temperature gauges

Bimetal type temperature gauges

Industrial gas expansion type temperature gauges

Digital thermometers



# PRESSURE TRANSMITTERS & DIAPHRAGM SEALS

Our range of **Pressure Transmitters** includes compact pressure transmitters and differential pressure transmitters with optional Atex intrinsic safety.



### Pressure Transmitters

#### Product specifications

- 0-25 mbar / 0-1000 bar (gauge pressure)
- 0-400 mbar / 0-1000 bar (absolute pressure)
- Output 4-20mA
- Stainless steel wetted parts
- Available with cooling tower
- Optional digital display

This pressure transmitter is designed to measure gauge pressure, vacuum pressure and absolute pressure of gases, vapours and liquids.

Its stainless steel housing is ideal for industrial environments. Special circuits are built in to allow adjustment of zero and span.



We supply a wide range of **Diaphragm Seals** for hygienic and chemical applications. Our diaphragm seals are made to suit the pressure sensing instrument and the application.

### Diaphragm Seals

Our most common diaphragm seals are made from stainless steel grade 316L which is the standard material for the pharmaceutical industry. CNC lathes combined with computer controlled welding equipment enables us to produce the highest quality diaphragm seals.



Flanged diaphragm seals



Flanged seals extended type



Slip on flanged seals



Pancake seals



DIN hygienic diaphragm seals



RJT hygienic diaphragm seals



SMS hygienic diaphragm seals



IDF hygienic diaphragm seals



Tri-clamp hygienic diaphragm seals



Bolted chemical seals



Varivent hygienic diaphragm seals



Pulp and paper seals



Flanged seals with internal diaphragm



Tank spud diaphragm seals



High pressure seals



Plug seals



Homogeniser seals



Hygienic inline seals



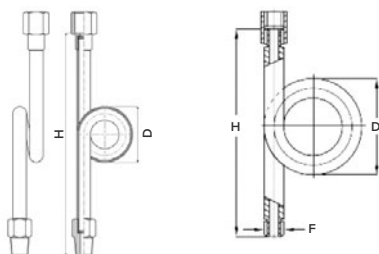
# SYPHONS & COOLING TOWERS

**Syphons** are used to protect pressure gauges from high steam temperatures that could damage the internal parts. U-shaped syphons are suitable for horizontal mounting, ring shape syphons for vertical mounting. **Cooling Towers** protect the pressure gauge from excessively high process media temperatures.



## Ring Syphon

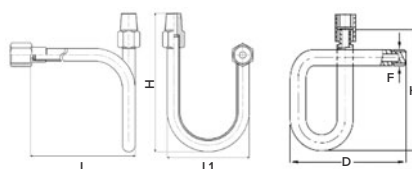
**Material:** AISI316  
**Execution:** Made from seamless pipe, with or without female swivel coupling  
**Connections:** ½" BSP or NPT



	Ver. 1	Ver. 2
Max temperature	240°C	550°C
Max pressure (bar)	PN160	PN400
H:	240	240
D:	80	100

## U Syphon

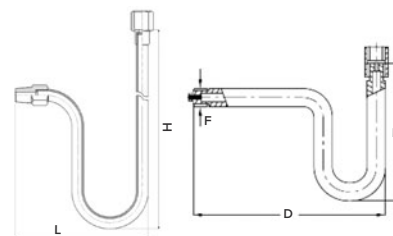
**Material:** AISI316  
**Execution:** Made from seamless pipe, with or without female swivel coupling  
**Connections:** ½" BSP or NPT



	Ver. 1	Ver. 2
Max temperature	240°C	550°C
Max pressure (bar)	PN160	PN400
H:	170	170
D:	160	160
L:	135	-
L1:	90	-

## U Syphon (Type 2)

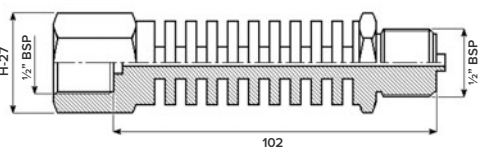
**Material:** AISI316  
**Execution:** UNI 4672 made from pipe with threaded connections welded and female swivel coupling  
**Connections:** ½" BSP or NPT



	Ver. 1	Ver. 2
Max temperature	240°C	450°C
Max pressure (bar)	PN160	PN400
H:	170	170
D:	365	225

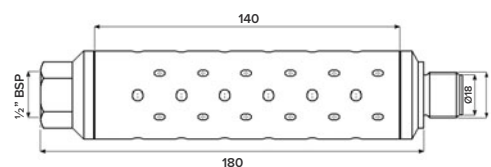
## Cooling Tower - CT1

**Material:** Stainless Steel AISI316  
**Process connection:** ½" BSP or NPT  
**Pressure rating:** 600 bar  
**Max temperature:** 150°C or 250°C when fitted with a chemical seal



## Cooling Tower - CT2

**Material:** Stainless Steel AISI316  
**Process connection:** ¼", ⅜", ½" BSP or NPT  
**Pressure rating:** 600 bar  
**Max temperature:** 350°C



## Important Notes...

### Up to 60°C

All pressure gauges may be used.

### Up to 100°C

A gauge with stainless steel wetted parts must be used.

### Up to 150°C (approx.)

A gauge fitted with diaphragm seal or cooling tower must be used.

### Up to 250°C (approx.)

Diaphragm seal and cooling tower.

At this temperature a diaphragm seal combined with a 100mm cooling tower is recommended on a stainless steel gauge. A high temperature system fill fluid is required.

### Up to 400°C (approx.)

Diaphragm seal and armoured capillary.

At this temperature a high temperature diaphragm seal with 2 metres of armoured capillary is recommended on a stainless steel gauge. A high temperature system fill fluid is required.

# MANIFOLD VALVES

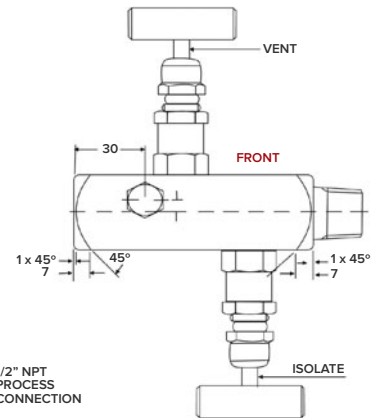
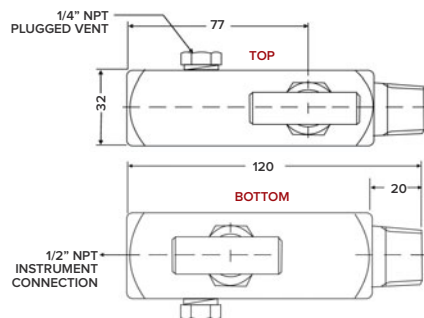
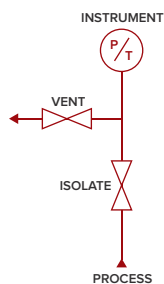
Our selection of rugged instrument **Manifold Valves** are suitable for isolation, bleeding, calibration, and the testing of pressure instruments.

## 2 Valve Manifold

With threaded vertical port inlet and female outlet. The vent/test connection is positioned on the front side. The venting bonnet is positioned on the right hand side and the isolating bonnet on the left hand side.



**Process side:** 1/2" NPT male  
**Instrument side:** 1/2" NPT female  
**Vent/Test:** 1/4" NPT female

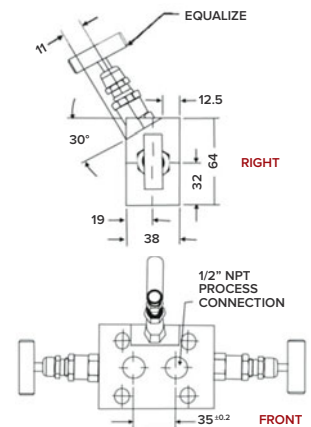
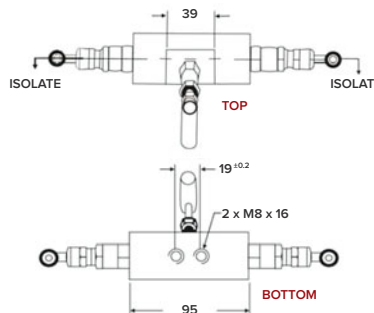
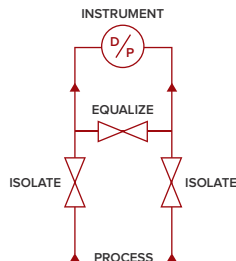


## 3 Valve Manifold

With two threaded horizontal port inlets on the front side and two flange outlets on the back side. The two isolating bonnets are positioned on the left and right hand side, the equalising bonnet is of angular design positioned on the top for easy operation.



**Process side:** 1/2" NPT female  
**Instrument side:** Flange

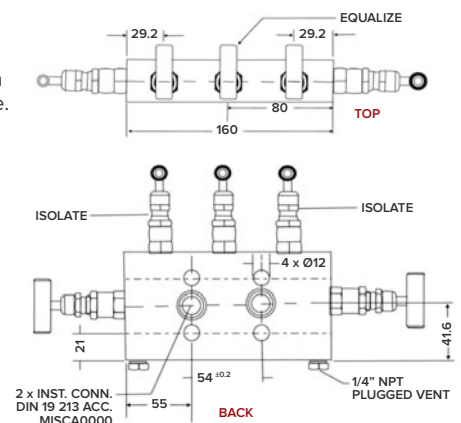
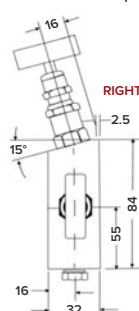
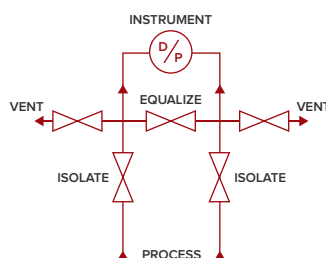


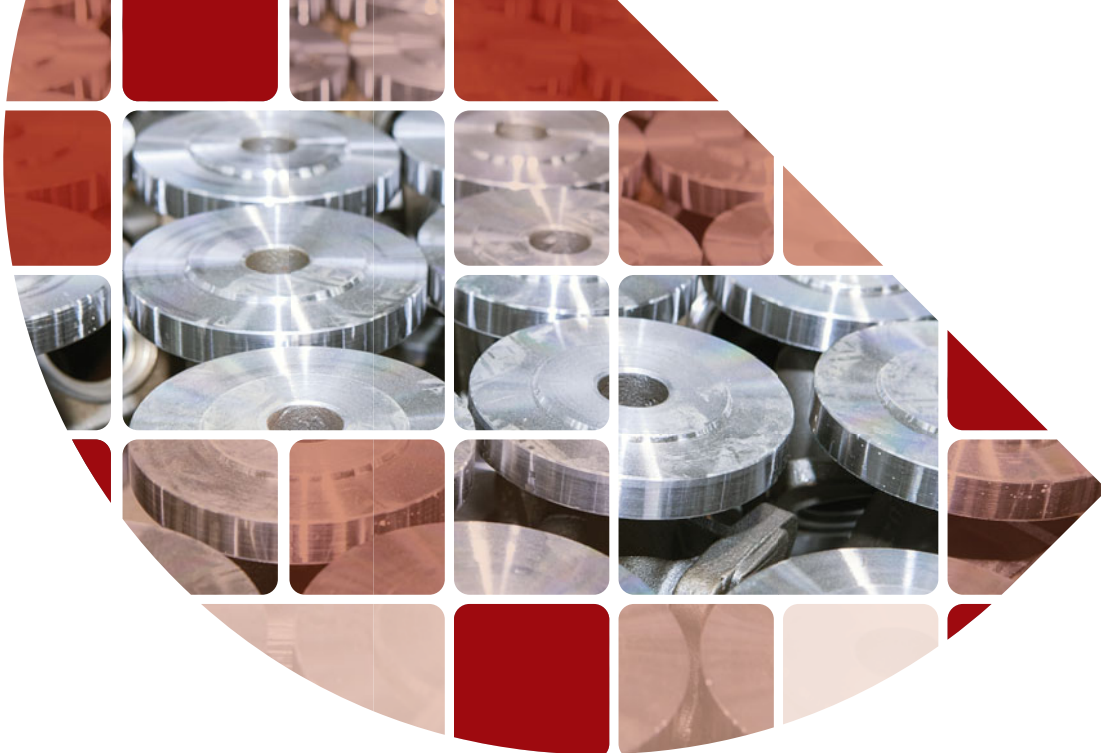
## 5 Valve Manifold

With threaded horizontal port inlets and flange outlets. Two vent/test connections are positioned on the bottom of the body. The isolating and equalizing bonnets are angular positioned on the top side. The venting bonnets are positioned on the left and right hand side.



**Process side:** 1/2" NPT female  
**Instrument side:** Flange  
**Vent/Test:** 1/4" NPT female





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