



# Sanitary Solutions

Process Solutions for the Sanitary, Food,  
Biotech & Pharmaceutical industries.

**Level**

**Pressure**

**Rupture Discs**

**Temperature**

**Diaphragm seals**



**Measurement  
Solutions**

## Level

### DM330 Sanitary level transmitter

Ametek Drexelbrook's DM330 Magnetostrictive level transmitter for sanitary and food applications utilises Ametek's industry leading and sophisticated Magnetostrictive positioning technology for superior accuracy, resolution and durability in the toughest environments.

- 3A approval
- Electro polished finish to 0.45  $\mu\text{m}$  or 0.62 $\mu\text{m}$  Ra
- CIP (clean in place) operation
- Easy zero and span adjustment
- 316SS wetted parts
- $\pm 0.1\%$  accuracy (includes repeatability)
- Resolution down to 0.025% of span
- IP68 enclosure



### 7024 Sanitary level switch

The 7024 UNIFLOAT, Sanitary level Switch, from Drexelbrook offers up to 7 individual set points in a single instrument. The patent reed mechanism offers unmatched reliability and field adjustment of the set points without removing from the process.

- 3A approval
- Electro polished finish to 0.45  $\mu\text{m}$  or 0.62 $\mu\text{m}$  Ra
- CIP (clean in place) operation
- Field adjustment of set points
- 316SS wetted parts
- NEMA 4X enclosure



# Level

## “ThePoint” RF Admittance level switches

Sophisticated coating rejection technology and robust construction make ‘ThePoint’ level technology the ideal choice for demanding applications.

- Solid construction, no moving parts
- CIP
- Electro polishing options
- Patent coating rejection technology
- Robust and ultra-reliable



## “UNIVERSAL IV” RF Admittance level transmitter

The UNIVERSAL IV RF Admittance level transmitter with coating rejection, CIP compatible, no moving parts and easy clean down makes it the ideal choice for sanitary applications requiring a no fuss and dependable level transmitter.

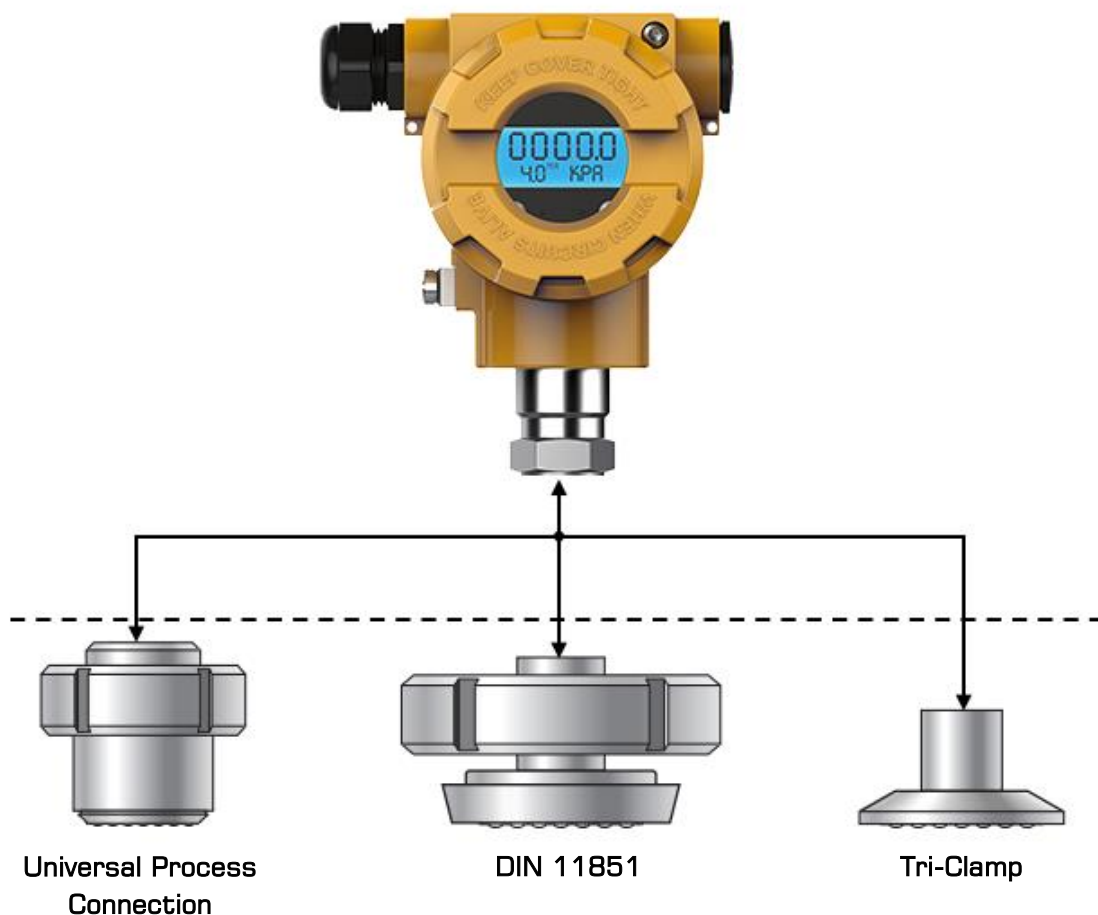
- Solid construction with no moving parts
- CIP
- Electro polishing options
- Patent coating rejection technology
- Robust and ultra-reliable
- No dead bands or near zones
- Millisecond response times



# Level & Pressure

## APC2000 Hydrostatic level and pressure Transmitters

This SMART, HART or Profibus compatible pressure transmitter from Aplisens is ideal for measurement of pressure or for hydrostatic level measurements in atmospheric vessels with your choice of sanitary connection and adjustable range.

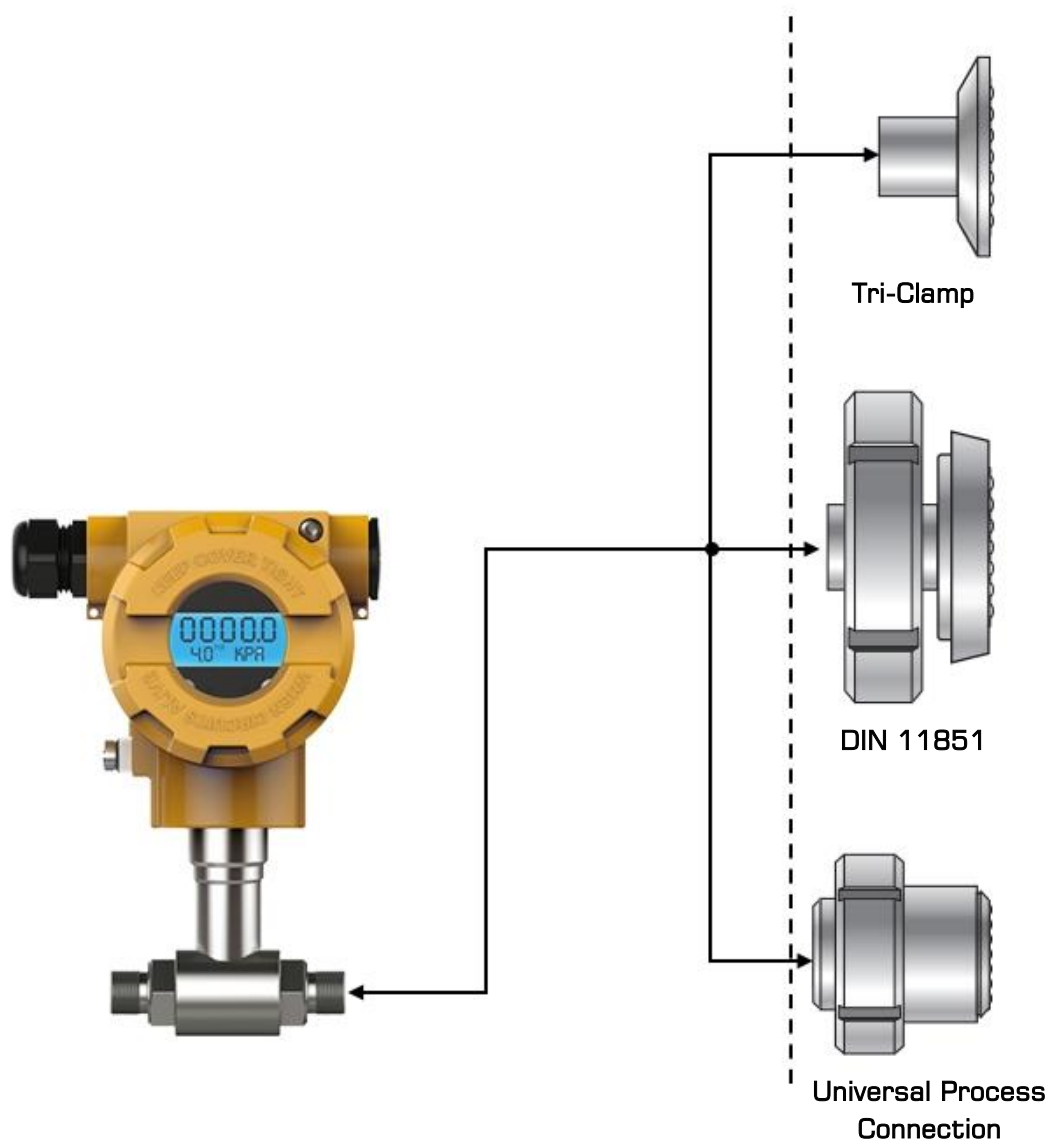


- Choice of Sanitary process connections, size and fill
- Typical surface finish of 0.2  $\mu\text{m Ra}$
- Electro polish is optional
- Local display and keypad
- HART and Profibus output protocols
- Remote or local mounted seals
- Available in full 316SS construction
- Adjustable ranges Pa to MPa.

# Level & Pressure

## APR2000 Differential Pressure transmitter

The APR2000 can be utilised for differential pressure measurement for for hydrostatic level measurements of pressurised vessels with HART or Profibus and your choice of process connection.

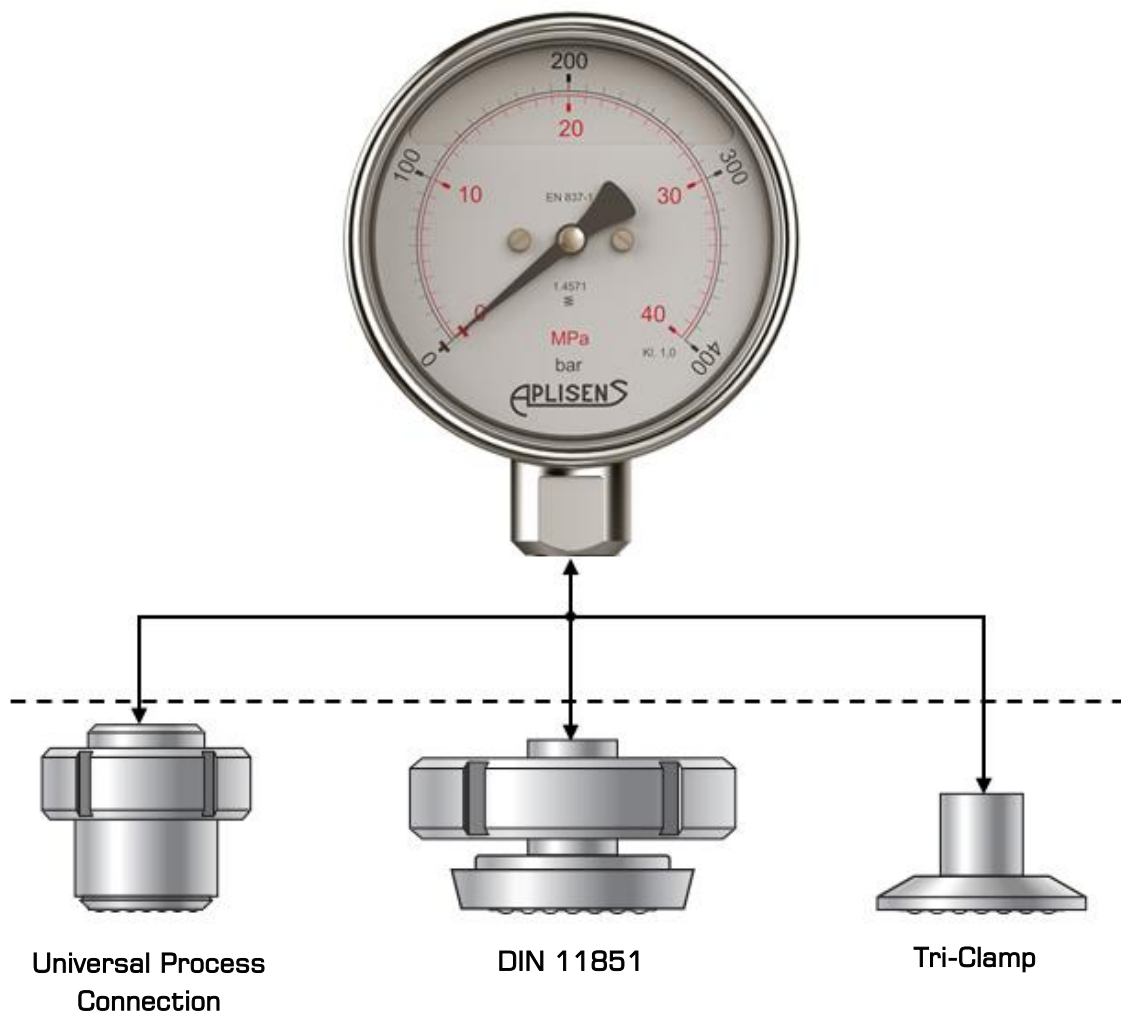


- Choice of Sanitary process connections, size and fill
- Typical surface finish of 0.2  $\mu\text{m Ra}$
- Electro polish is optional
- Remote or local mounted seals
- Available in full 316SS construction
- Adjustable ranges from Pa to MPa
- 4-20 mA HART or Profibus

# Pressure Gauges

## MS100K Pressure Gauge

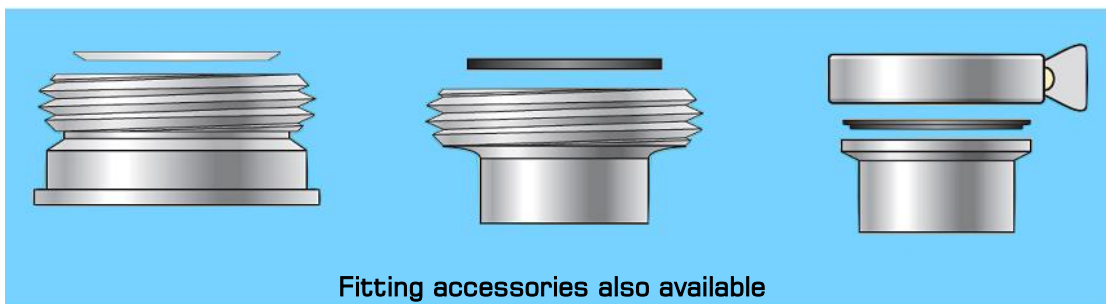
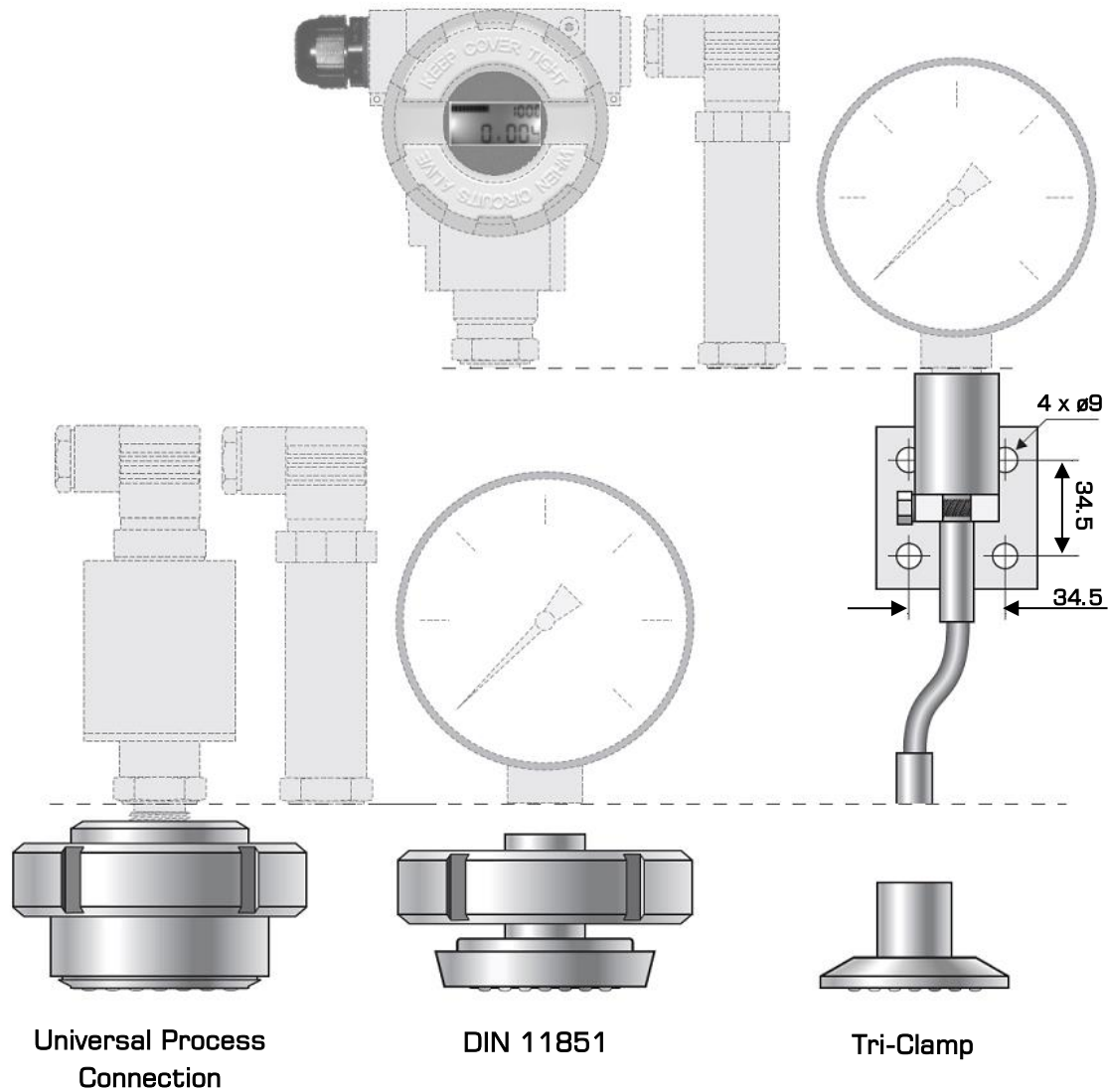
100 mm, stainless steel gauge available with your choice of sanitary connection and configuration. Dials can be supplied dry or glycerine filled and seals filled with an edible food grade oil.



- Choice of Sanitary process connections, size and fill
- Typical surface finish of 0.2  $\mu\text{m Ra}$
- Electro polish is optional
- Remote or local mounted seals
- Adjustable in ranges from full vacuum to 40 MPa

# Diaphragm Seals

## Direct or Remote Mount Diaphragm Seals



### Minimum recommended measuring range (bar)

Mounting	Transmitters	63 mm Gauge	100 mm Gauge	160 mm Gauge
Integral	0.1	2.5	6	6
Remote ( 2 m )	0.5	6	6	6

# Rupture Discs

## Sanitrx HPX Rupture Disc

The SANITRX HPX rupture disc is a semicircular scored reverse acting rupture disc designed specifically for the pharmaceutical, biotech, food, and beverage industries. This rupture disc is available to fit between industry standard sanitary ferrules, NACONNECT® flanges or SANITRX fittings.



### Advantages

- USPVI certified and in compliance with ASME PBE
- 1:1 damage ratio for fail safe operation
- No teeth or shearing mechanism
- Lower resistance to flow than competitive options
- True 95% operating to burst ratio
- Certified full liquid opening service
- Tested in excess of 5 Million Cycles

### Features

- Burst pressure: 68.9 kPa to 1380 kPa
- Standard finish of 0.5  $\mu\text{m}$  Ra
- Electro polished optional
- Sizes: 1" to 4"



# Rupture Discs

## Sanitrx LPX Rupture Disc



A semicircular scored reverse acting rupture disc designed specifically for applications in the pharmaceutical, food & beverage and biotech industries that require pressures below SANITRX® HPX. This rupture disc is available to fit between industry standard sanitary ferrules, NA CONNECT® flanges or SANITRX® fittings. SANITRX LPX Rupture Discs are shipped in sanitary, environmentally friendly, non-toxic packaging.

- Burst pressure: 40 kPa to 68.9 kPa
- Standard finish of 0.5 µm Ra
- Electro polished as an option

## Rupture Disc Connection Options



**Sanitary and Industry Standard (IS)**

Standard Tri-Clamp assembly provides quick-release, easy to change and allow space for the tag extension to pass through the clamp adjacent to the hinge.



**NovAseptic NA-CONNECT® Flanges**

Sanitary rupture discs also specifically fits within the sanitary clamping design of the NovAseptic NA-CONNECT® flanges. This flush-mount holder is becoming increasingly popular in sanitary processing industries because it allows installation of the rupture disc directly against the wall of the vessel to allow for easy cleaning and sterilization.



**MBC™ Multi-Bolt Clamp**

The MBC is a highly durable sanitary clamping device for securing vessel and piping connections in pharmaceutical, biotech, food, beverage, fine chemical, and other sanitary type environments.

# Rupture Discs

## Cal-Vac & Pos-A-Set Rupture disc Assembly

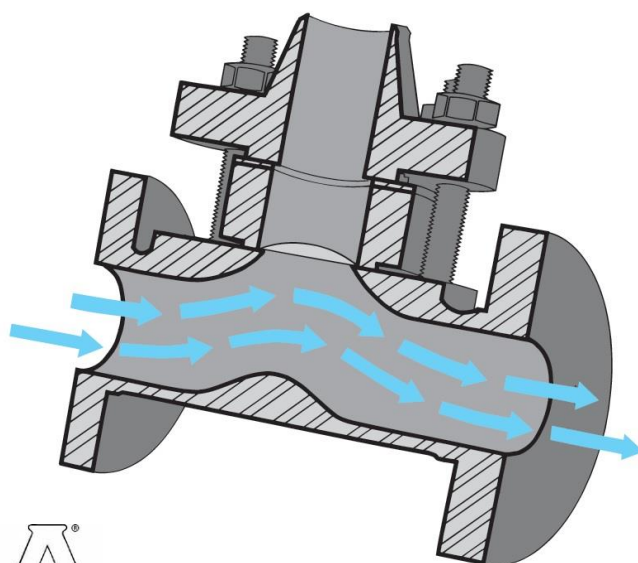
A double acting rupture disc which will relieve an ultra-low (inches of water column) vacuum (negative) pressure or a positive pressure condition. The Cal-Vac and Pos-A-Set range is Ideal for thin wall vessels subject to pulling vacuum under cleaning or evacuation of process while also providing positive pressure protection.



- Bi-Directional protection of your process
- Ultra-low set pressures down to a 2.54 cm of water vacuum or positive.
- Complete sanitary assembly.
- Sizes up to 10"
- CIP Design



## Sanitary Clean Sweep Assembly



The CLEAN-SWEEP Rupture Disc Assembly provides overpressure relief protection for viscous media processes, particularly where product build-up in a piping system may cause excessive overpressure conditions.

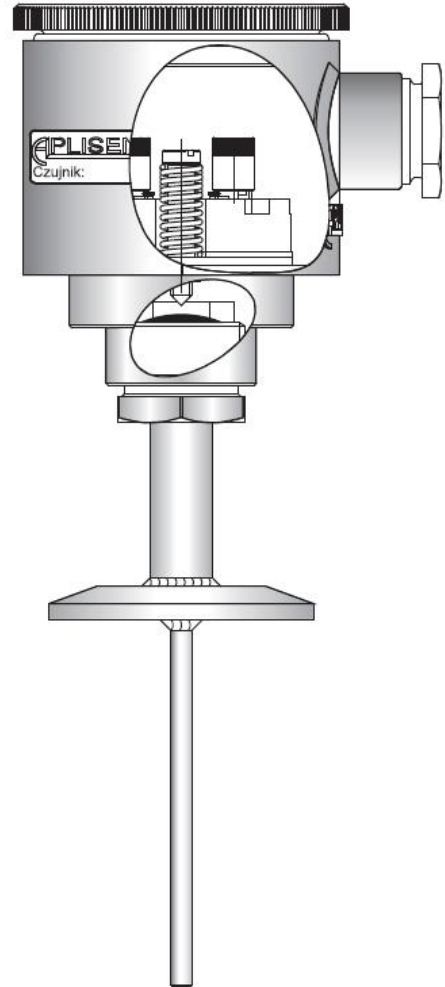
For many years, pipe tees were used in process lines with the rupture disc assembly installed off the leg of the tee. However, viscous product build-up could affect the proper operation and accuracy of the rupture disc.

# Temperature

## CT-CL Sanitary PT100 Sensor/Transmitter

All Stainless PT100 temperature transmitter designed for pharmaceutical and food service. The modular design can be configured as required to suit your application and comes complete with stainless head, M20 electrical entry, Tri-clamp connection and 316SSL wetted parts.

- PT100 with your choice of accuracy class
- SS terminal head with M20 electrical entry
- Tri-Clamp process connection
- Spring loaded RTD insert
- Optional transmitters
  - 4-20 mA
  - 4-20 mA HART protocol
- Optional Electro polishing



## Compatible Transmitters

LI-24 & APT2000



IECEX.  
Remote or integral.  
Local display.  
Galvanic isolation.  
Programmable.  
4-20mA / HART.  
Line compensation.

LI-24G



Galvanic isolation.  
Programmable.  
4-20mA / HART.  
Line compensation.  
DIN Rail option.

GI-22



Galvanic isolation.  
Programmable.  
Line compensation.

AT-2



Programmable.  
Line compensation.



**Measurement  
Solutions**

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