



*We're There.*



## PRODUCT OVERVIEW

# Pressure Gauges



|                        | <b>DPG Digital</b> | <b>P1S 100 Series</b>                                   | <b>P3S 300 Series</b>                                             | <b>P9S 90 Series</b>                                                        |
|------------------------|--------------------|---------------------------------------------------------|-------------------------------------------------------------------|-----------------------------------------------------------------------------|
| <b>Dial Size</b>       | 2.5" (63mm)        | 3.5" (90mm)<br>4" (100mm)<br>4.5" (115mm)<br>6" (150mm) | 4.5" (115mm)<br>6" (150mm)<br>8.5" (215mm)<br>10" (250mm)         | 1.5" (40mm)<br>2" (50mm)<br>2.5" (63mm)<br>3.5" (90mm)                      |
| <b>Tube and Socket</b> | 316 SS             | Phosphor bronze/brass                                   | 316L SS/brass                                                     | Phosphor bronze/brass                                                       |
| <b>Connection</b>      | 1/4" NPT           | 1/4" NPT                                                | 1/4" NPT for 600 psi or lower<br>1/2" NPT for 1,000 psi or higher | 1.5" dial: 1/8" NPT<br>2" dial: 1/8", 1/4" NPT<br>2.5", 3.5" dial: 1/4" NPT |
| <b>Range</b>           | Vac-0-15,000 psi   | Vac-0-5,000 psi/kPa                                     | Vac-0-20,000 psi/kPa                                              | Vac-0-600 psi/kPa                                                           |



|                        | <b>PDT/PDX Differential/Duplex</b> | <b>PEM/PEM-LF/PEU Economy</b>                                             | <b>PET/PET-LF Gas or Water Test</b>                        | <b>PFE Sprinkler</b>                        |
|------------------------|------------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------|---------------------------------------------|
| <b>Dial Size</b>       | 4.5" (115mm)<br>6" (150mm)         | 1.5" (40mm)<br>2" (50mm)<br>2.5" (63mm)<br>4" (100mm)                     | Gas Test: 2" (50mm)<br>Water Test: 2.5" (63mm)             | 3.5" (90mm)                                 |
| <b>Tube and Socket</b> | 316L SS/phosphor bronze/brass      | Phosphor bronze/brass or lead free phosphor bronze/brass                  | Phosphor bronze/brass or lead free phosphor bronze/brass   | Phosphor bronze/brass                       |
| <b>Connection</b>      | 1/4" NPT                           | 1.5" dial: 1/8" NPT<br>2" dial: 1/8", 1/4" NPT<br>2.5", 4" dial: 1/4" NPT | Gas Test: 3/4" FNPT<br>Water Test: 3/4" female swivel hose | 1/4" NPT                                    |
| <b>Range</b>           | 0-600 psi                          | Vac-0-5,000 psi/kPa                                                       | 0-300 psi/kPa                                              | 0-300 psi/kPa or<br>0/80/retard-250 psi/kPa |



|                        | <b>PN2/PN2-ZR NACE - MR0175-2002</b> | <b>PPC/PPC-ZR Process</b>     | <b>PPD/PRD/PSD/PVD Differential</b>        | <b>PRL Regulator</b>                           |
|------------------------|--------------------------------------|-------------------------------|--------------------------------------------|------------------------------------------------|
| <b>Dial Size</b>       | 4" (100mm)<br>6" (150mm)             | 4.5" (115mm)                  | 2.5" (63mm)<br>3.5" (90mm)<br>4.5" (115mm) | 1.5" (40mm)<br>2" (50mm)                       |
| <b>Tube and Socket</b> | 316 SS                               | 316L SS/phosphor bronze/brass | SS and others                              | 316 SS                                         |
| <b>Connection</b>      | 1/4" or 1/2" NPT                     | 1/4" or 1/2" NPT              | 1/4" or 1/2" NPT and others                | 1.5" dial: 1/8" NPT<br>2" dial: 1/8", 1/4" NPT |
| <b>Range</b>           | Vac-0-20,000 psi/kPa                 | Vac-0-20,000 psi/kPa          | "H <sub>2</sub> O-110 psid                 | Vac-0-5,000 psi/kPa                            |

# Pressure Gauges



**PAG/PSQ 3A Sanitary**

2.5" (63mm)  
4" (100mm)

316L SS

316 SS, electro-polished with  
0.75", 1.5" or 2" Tri-Clamp®

Tri-Clamp® is a registered trademark of Tri-Clover, Inc.

Vac-0-1,000 psi/bar



**PAM Ammonia**

2.5" (63mm), 3.5" (90mm)  
4" (100mm), 6" (150mm)  
8.5" (215mm)  
10" (250mm)

316L SS

1/4" NPT

Vac-0-300 psi/°F



**PBC Forged Brass Case**

2.5" (63mm)  
4" (100mm)

Brass

2.5" dial: 1/4" NPT  
4" dial: 1/4", 1/2" NPT

Vac-0-10,000 psi/kPa



**PCC Colour Coded**

4" (100mm)

316L SS/phosphor  
bronze/brass

1/4" or 1/2" NPT

Vac-0-20,000 psi/kPa



**PCT/PCT-LF Contractor**

4.5" (115mm)

Phosphor bronze/brass or lead  
free phosphor bronze/brass

1/4" NPT

Vac-0-5,000 psi/kPa



**PFP Premium Filled**

2.5" (63mm)  
4" (100mm)  
6" (150mm)  
Bayonet ring

316 SS

2.5" dial: 1/4" NPT  
4", 6" dial: 1/4", 1/2" NPT

Vac-0-20,000 psi/kPa



**PFP-ZR Premium StabilizR™**

2.5" (63mm)  
4" (100mm)

316 SS

2.5" dial: 1/4" NPT  
4" dial: 1/4", 1/2" NPT

Vac-0-20,000 psi/kPa



**PFQ/PFQ-LF Filled**

1.5" (40mm), 2" (50mm)  
2.5" (63mm)  
4" (100mm)  
Crimped ring

316 SS/phosphor bronze or 316  
SS/lead free phosphor bronze

1.5" dial: 1/8" NPT  
2" dial: 1/8", 1/4" NPT  
2.5" dial: 1/4" NPT, 7/16"-20 SAE  
4" dial: 1/4", 1/2" NPT

Vac-0-15,000 psi/kPa - PFQ  
Vac-0-15,000 psi/bar - SAE



**PFQ-ZR StabilizR™**

2.5" (63mm)

Phosphor bronze/brass

1/4" NPT

Vac-0-10,000 psi/kPa



**PLP Low Pressure**

2.5" (63mm)  
4" (100mm)  
4.5" (115mm)  
6" (150mm)

316 SS/brass

1/2" NPT

Vac-0-10 psi/kPa



**PSC Safety Case**

4" (100mm)  
4.5" (115mm)  
6" (150mm)

316L SS

1/4" or 1/2" NPT

Vac-0-20,000 psi/kPa



**PSP Spiral Tube**

1" (25mm), 1 1/8" (30mm)  
1.25" (32mm), 1.5" (40mm)

304 SS/beryllium  
copper/brass

1/8" NPT

0-5,000 psi



**PTG Test**

4" (100mm)  
6" (150mm)  
Mirror band for precise  
reading

316 SS/brass

1/4" or 1/2" NPT

Vac-0-10,000 psi/kPa



**PTS Tube Stub**

2.5" (63mm)

316L SS

1/4" tube stub

Vac-0-5,000 psi/kPa



**PWL Welding**

1.5" (40mm)  
2" (50mm)  
2.5" (63mm)

Phosphor bronze/brass

1.5" dial: 1/8" NPT  
2", 2.5" dial: 1/4" NPT

0-4,000 psi/kPa

## Thermometers



|                  | TAG HVAC Gold Case          | TAS/TAS-LF Industrial 5" | TBM Bi-metal                                                            | TBT HVAC Bi-metal |
|------------------|-----------------------------|--------------------------|-------------------------------------------------------------------------|-------------------|
| Dial/Scale       | 4.5" (115mm),<br>6" (150mm) | 5" (125mm)               | 1" (25mm), 2" (50mm)<br>3" (75mm), 4" (100mm)<br>5" (125mm), 6" (150mm) | 3.5" (90mm)       |
| Sensing Element  | Brass                       | Brass or lead free brass | SS                                                                      | Brass             |
| Bulb/Stem Length | 2" (50mm)                   | 1.825" (46mm)            | 2.5" (63mm) - 48" (1219mm)                                              | 2" (50mm)         |
| Accuracy         | ±2% full scale              | ±2% full scale           | ±1% full scale                                                          | ±2% full scale    |



|                  | TCT Clamp-On     | TIM/TIM-LF Industrial 9" | TMT Surface Magnet | TNC Non-Contact                           |
|------------------|------------------|--------------------------|--------------------|-------------------------------------------|
| Dial/Scale       | 2.5" (63mm)      | 9" (230mm)               | 2" (50mm)          | LCD size: 1.125" (30mm) x<br>0.75" (19mm) |
| Sensing Element  | Bi-metallic coil | Brass or lead free brass | Bi-metallic coil   | -                                         |
| Bulb/Stem Length | -                | 3.5" (90mm), 6" (150mm)  | -                  | -                                         |
| Accuracy         | ±3% full scale   | ±1% full scale           | ±2% full scale     | ±2% of reading                            |



|                  | TRR Remote Reading                                                               | TSD/THS Solar Digital                                          | TSW/TSW-LF Hot Water                                   | TTD Tridicator                                               |
|------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------|
| Dial/Scale       | 2.5" (63mm), 3.5" (90mm)<br>4" (100mm), 4.5" (115mm)<br>6" (150mm), 8.5" (215mm) | TSD: LCD size: 2.25" (57mm) x 2.25" (57mm)<br>THS: 3" (75mm)   | Dial: 2" (50mm) or<br>2.5" (63mm)<br>Scale: 8" (200mm) | 2.5" (63mm)<br>3" (75mm)                                     |
| Sensing Element  | SS/brass                                                                         | TSD: Brass<br>THS: SS                                          | Brass or lead free brass                               | Brass                                                        |
| Bulb/Stem Length | 6" (150mm)                                                                       | TSD: 3.5" (90mm), 6" (150mm)<br>THS: 2.5" (63mm) - 24" (600mm) | Dial: 1.5" (40mm)<br>Scale: 2.5" (63mm)                | 2.5" (63mm): 2.15" (55mm) stem, 3" (75mm): 2.75" (70mm) stem |
| Accuracy         | Gas actuated: ±0.5% full scale<br>Vapour actuated: ±2% full scale                | ±1 of reading                                                  | ±1% full scale                                         | Pressure: ±3-2-3%<br>Temperature: ±3% full scale             |

## Pressure Transmitters



### LE1 OEM Transmitter

**Features:** Compact SS with ceramic sensor. Developed for OEM applications. CE approved,  $\pm 0.5\%$  accuracy ( $\pm 1\% \leq 45$  psi)

**Range:** Vac to 8,700 psi

**Applications:** Pump and compressor monitoring, refrigeration and HVAC



### LE3 General Purpose Transmitter

**Features:** Can be utilized in many applications. Rugged stainless steel, CE, CSA, NEMA 4X,  $\pm 0.5\%$  accuracy

**Range:** Vac to 5,000 psi

**Applications:** Industrial machinery, hydraulics & pneumatics, compressor controls, boilers, chillers, AC & refrigeration



### LIS Intrinsically Safe Transmitter

**Features:** Intrinsically safe design for hazardous areas. Rugged stainless steel, CE, CSA, NEMA 4X  $\pm 0.25\%$  accuracy

**Range:** Vac to 8,700 psi

**Applications:** Appropriate for all hazardous areas where an intrinsically safe rating is required



### LXP Explosion Proof Transmitter

**Features:** Designed with explosion proof enclosure

**Range:** Vac to 10,000 psi

**Applications:** Hazardous locations in oil and gas installations including pump and compressor controls

## Diaphragm Seals



### Features:

Suitable for applications with corrosive media or where clogging is a concern. Available in various types of materials, housings and diaphragms. Flanges available in many sizes.

### Ranges:

|                                      |                 |                                      |               |
|--------------------------------------|-----------------|--------------------------------------|---------------|
| <b>D10</b> PVC Diaphragm Seal        | Vac-200 psi     | <b>D70</b> 2-pc Industrial Seal      | 30-2,500 psi  |
| <b>D15</b> Welded Diaphragm Seal     | 50-5,800 psi    | <b>D71</b> 2-pc Industrial NACE Seal | 30-2,500 psi  |
| <b>D20</b> Sanitary Seal             | 30-600 psi      | <b>D81</b> Isolation Ring            | Vac-1,000 psi |
| <b>D30</b> High Pressure Seal        | 1,000-6,000 psi | <b>D85</b> In Line Flow Thru Seal    | 30-600 psi    |
| <b>D40</b> General Purpose 1-pc Seal | 15-1,000 psi    | <b>D90</b> Saddle Weld Seal          | 30-600 psi    |
| <b>D44</b> Flanged Diaphragm Seal    | 0-1,000 psi     |                                      |               |
| <b>D46</b> Flanged Flush Mount Seal  | 30-1,300 psi    |                                      |               |

## Pressure Switches



### Features:

Available in a variety of pressure ranges and actuation methods.

### Ranges:

**2WPS General Purpose**  
Vac - 500 psi

**3WPS Industrial**  
30 - 1,600 psi

**4WPS Low Pressure Diaphragm**  
"H<sub>2</sub>O to 150 psi

**5WPS Differential**  
0 to 5,000 psi

**9WPS Explosion Proof**  
Vac - 10,000 psi



## Accessories



### Features and Ranges:

**SNV/SNV-LF Brass or Lead Free Brass Needle Valve:** 1/4" NPT FxF, 400 psi

**NVA Stainless Steel Needle Valve:** 316 SS or carbon steel body, 1/4" to 1" NPT FxF, MxF, straight or angle body

Soft seat: 6,000 psi  
Hard seat: 10,000 psi  
**SOP Over Pressure Protector:** SS 1/4" or 1/2" NPT NACE or non-NACE  
Bellows type: 2.9-14.5 psi to 58-145 psi  
Piston type: 145-580 psi to 2,320-5,800 psi

More accessories are available. Please contact us for a full list of products.

Products with an "LF" suffix are available with lead free wetted parts

**SSN/SSN-LF Snubber:** Brass, lead free brass or stainless steel, 1/4" or 1/2" NPT  
Brass: 10,000 psi  
Stainless steel: 20,000 psi

**SSP Syphon:** Steel, brass or SS, 1/4" or 1/2" NPT, 3,200 psi

**SMV/SMV-LF Mini Ball Valve:** Brass or lead free brass, 1/4" NPT FxF, MxF, 400 psi

**STP/STP-LF Test Plug:** Brass or lead free brass, 1/4" or 1/2" NPT, 1,000 psi

**SCT Cooling Tower:** 316 SS 1/4" or 1/2" NPT MxF, 1,500 psi

**Thermowell:** Bi-metal, Sanitary, Socket-weld, Weld-in, Flanged, Stepped, Tapered

**Custom Dials:** All custom dials are manufactured to meet your specifications

# WINTERS INSTRUMENTS

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