

## Sanitary Gauges

## Commercial Gauges

TYPE 1032  
SANITARY GAUGE

**ACCURACY**  
2½", 3½", 4½" – ±1.5% F.S. for pressure ranges 100 psi and above. ±2.0% F.S. for vacuum, compound and ranges below 100 psi

**DIAL SIZE**  
2½", 3½", 4½"

**CASE & RING MATERIAL**  
300 series stainless steel

**TUBE & SOCKET MATERIAL**  
316 stainless steel

**WETTED PARTS**  
Electropolished 12 to 20 RA surface finish  
316 stainless steel

**MOUNTING CONNECTION**  
Lower, back (1½" or 2" Tri-Clover)

**RANGES**  
15# thru 1000#, including compound and vacuum

Meets EN 10204 : 2004 3.1 requirement for material traceability; documents provided as standard

Sanitary pharmaceutical, biotech or food applications requiring Tri-Clamp® type fittings and highly polished stainless steel surfaces.

TYPE 1036 SANITARY GAUGE  
with TYPE 1037 SANITARY  
INSTRUMENT FITTING

**ACCURACY**  
±1.5% F.S. for pressure ranges 100 psi and above. ±2.0% F.S. for vacuum, compound and ranges below 100 psi

**DIAL SIZE**  
3½"

**CASE & RING MATERIAL**  
300 series stainless steel

**TUBE & SOCKET MATERIAL**  
316 stainless steel

**WETTED PARTS**  
Electropolished 12 to 20 RA surface finish  
316 stainless steel

**MOUNTING CONNECTION**  
Lower, back (1½" Tri-Clover)

**RANGES**  
15# thru 1000#, including compound and vacuum

## TYPE 1037 INSTRUMENT FITTING

**CONSTRUCTION**  
316 L stainless steel

**WETTED PARTS**  
Electropolished 12 to 20RA surface finish

**MOUNTING CONNECTION**  
(1½" thru 2" Tri-Clover)

**HEAT NUMBER**  
Stamped on fitting

Meets EN 10204 : 2004 3.1 requirement for material traceability; documents provided as standard

Sanitary pharmaceutical, biotech or food applications requiring Tri-Clamp® type fittings with zero deadleg and highly polished stainless steel surfaces.

TYPE D1005PS GENERAL  
PURPOSE DIGITAL GAUGE

\*Protective Boot Optional

**ACCURACY**  
±0.5% of span

**CASE SIZE**  
2½"

**CASE MATERIAL**  
Noryl®

**WETTED MATERIALS**  
17-4 PH stainless steel sensor;  
316 stainless steel socket

**SOCKET SIZE**  
¼ NPT

**CONNECTION**  
Lower (6 o'clock), 3, 9 and 12 o'clock

**RANGES**  
Vac. thru 19,999, including compound

**POWER SOURCE**  
Two AAA alkaline batteries

**BATTERY LIFE**  
1000 hrs.

**OPERATING TEMPERATURE**  
14/140°F (-10/60°C)

**STORAGE TEMPERATURE**  
-4/158°F (-20/70°C)

**AGENCY APPROVALS**  
CE, EN 61326 (1998)  
CE, EN 61326 Annex A (heavy industrial)

This product is an excellent choice for a wide variety of pressure measurement applications. When compared to mechanical gauges the D1005PS offers overall enhanced value.

## TYPE 1005P/1005/1005S



**ACCURACY**  
ASME B 40.100 Grade B (±3-2-3% of span)

**DIAL SIZE**  
1½", 2", 2½", 3½" (4½" available with steel case/ring and plastic window, Type 1000)

**CASE MATERIAL**  
1005P – ABS, black  
1005 – Black painted steel  
1005S – Stainless steel (1½" & 2" only)  
*Optional, color other than black, vent hole, panel mount sleeve for 1005P back connect*

**WETTED MATERIAL**  
Bronze/brass. *Optional sockets, nickel plated, Teflon taped, top or side connections, throttle plugs*

**SENSING ELEMENT**  
Bourdon tube; Ashcroft patented PowerFlex™ movement

**CONNECTION**  
½ and ¼ NPT back and lower (1½"  
1005S available in ½ NPT back only; 1½"  
1005/1005P available in ½ NPT lower and back; 4½" Type 1000 available in ¼ NPT only)

**RANGES**  
Vac.-6000 psi and compound\*





\*All ranges listed may not be available in all sizes/connections. Please consult individual spec sheets.

Applications include compressors, filter regulators, medical equipment, automotive diagnostic, beverage dispensing, industrial machinery and a variety of other applications.

## Commercial Gauges

TYPE 1001T PANEL GAUGE	TYPE 1008A/AL GENERAL SERVICE GAUGE	TYPE 3005/3005P HYDRAULIC GAUGE	TYPE 1005M, XRG AGRICULTURAL AMMONIA
			
<b>ACCURACY</b> ASME B 40.100 Grade B ( $\pm 3-2-3\%$ of span)	<b>ACCURACY</b> ASME B 40.100 Grade B ( $\pm 3-2-3\%$ of span)	<b>ACCURACY</b> ASME B 40.100 Grade B ( $\pm 3-2-3\%$ of span)	<b>ACCURACY</b> ASME B 40.100 Grade B ( $\pm 3-2-3\%$ of span)
<b>DIAL SIZE</b> 1½", 2", 2½", 3½"	<b>DIAL SIZE</b> 63mm (2½"), 100mm (4")	<b>DIAL SIZE</b> 63mm (2½")	<b>DIAL SIZE</b> 2½"
<b>CASE MATERIAL</b> Black painted steel	<b>CASE &amp; RING MATERIAL</b> 304 stainless steel, dry, liquid filled or field fillable	<b>CASE MATERIAL</b> 3005 – 304 stainless steel, dry, liquid filled or field fillable 3005P – Black ABS dry or glycerine filled	<b>CASE MATERIAL</b> Black painted steel
<b>WETTED MATERIAL</b> Bronze/brass.	<b>WETTED MATERIAL</b> Bronze/brass	<b>WETTED MATERIAL</b> Bronze/brass	<b>WETTED MATERIAL</b> 316 stainless steel/steel
<b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement	<b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement	<b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement	<b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement
<b>CONNECTION</b> ½ NPT back, ¼ NPT back (1½" not available in ¼ NPT)	<b>CONNECTION</b> ¼ NPT lower and back <i>Optional, metric and SAE connection</i>	<b>CONNECTION</b> 3005 – ¼ NPT lower and back 3005P – ¼ NPT lower <i>Optional, metric and SAE connection</i>	<b>CONNECTION</b> ¼ NPT lower <i>Optional, 0.020" orifice stainless steel throttle plug</i>
<b>RANGES</b> Vac.-6000 psi and compound*	<b>RANGES</b> Vac.-15,000 psi and compound	<b>RANGES</b> Vac.-15,000 psi and compound	<b>RANGES</b> 0/60 psi, 0/150 psi, 0/400 psi
<b>Note:</b> For panel mount refrigeration gauge (recovery, recycling) specify 1001T, XRR gauge			
*All ranges may not be available in all ranges/connections. Please consult individual spec sheets.			
Applications include instrument panels, air-conditioning equipment, air and gas compressors, machine tools and a variety of other applications.	Applications include hydraulic systems, machine tools, pressure washers/sprayers and a variety of other applications.	Applications include hydraulic systems, machine tools, pressure washers/sprayers, compressors, irrigation equipment and a variety of other applications.	This product was designed to withstand rugged agricultural applications. Features include stainless tube and socket, in addition to glass window, necessary for anhydrous ammonia applications.

## Commercial Gauges

TYPE 1005P, XUL SPRINKLER SERVICE GAUGE	TYPE 1007P, XOR REFRIGERATION MANIFOLD	TYPE 2071 CONTRACTOR GAUGE	TYPE 40DDG/50DDG DIRECT DRIVE GAUGE
 <p>UL LISTED FM APPROVED LOOK FOR THESE MARKS ON OUR PRODUCTS</p>	 <p>FlutterGuard standard feature of this product</p>		
<p><b>ACCURACY</b> ASME B 40.100 Grade B (<math>\pm 3-2-3\%</math> of span)</p>	<p><b>ACCURACY</b> <math>\pm 1\%</math> at zero, <math>\pm 2\%</math> three fourths of scale, <math>\pm 5\%</math> last fourth of scale</p>	<p><b>ACCURACY</b> ASME B 40.100 Grade A (<math>\pm 2-1-2\%</math> of span)</p>	<p><b>ACCURACY</b> ASME B 40.100 Grade B (<math>\pm 3-2-3\%</math> of span)</p>
<p><b>DIAL SIZE</b> 3½"</p>	<p><b>DIAL SIZE</b> 2½"</p>	<p><b>DIAL SIZE</b> 4½"</p>	<p><b>DIAL SIZE</b> 40mm (1½") or 50mm (2")</p>
<p><b>CASE MATERIAL</b> ABS/polycarbonate blend</p>	<p><b>CASE MATERIAL</b> ABS, red (high pressure) ABS, blue (low pressure) <i>Optional, black, ABS</i></p>	<p><b>CASE &amp; RING MATERIAL</b> Aluminum with back-flange case, painted black; chrome plated ring</p>	<p><b>CASE MATERIAL</b> ABS polycarbonate blend, black</p>
<p><b>WETTED MATERIAL</b> Bronze/brass</p>	<p><b>WETTED MATERIAL</b> Bronze/brass</p>	<p><b>WETTED MATERIAL</b> Bronze/brass soldered, siphon required for steam service</p>	<p><b>WETTED MATERIAL</b> Beryllium copper coil, silicone dampened Integral ABS polycarbonate blend socket <i>Optional, ½ NPT or ¼ NPT brass, throttle plug</i></p>
<p><b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement</p>	<p><b>WETTED MATERIAL</b> Bronze/brass</p>	<p><b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement</p>	<p><b>SENSING ELEMENT</b> Spiral wound Bourdon tube</p>
<p><b>CONNECTION</b> ¼ NPT lower</p>	<p><b>SENSING ELEMENT</b> Bourdon tube; Ashcroft patented PowerFlex™ movement with FlutterGuard™</p>	<p><b>CONNECTION</b> ¼ NPT lower <i>Optional, throttle plugs</i></p>	<p><b>CONNECTION</b> 40mm – ½ NPT back 50mm – ½ NPT or ¼ NPT back</p>
<p><b>RANGES</b> 0-300 psi (water), 0-80 psi retard to 250 psi (air)</p>	<p><b>CONNECTION</b> ¼ NPT lower</p>	<p><b>RANGES</b> Vac-600 psi and compound</p>	<p><b>RANGES</b> 0-60 psi (180° arc); 0-100 psi, 0-160 psi, 0-200 psi, 0-300 psi, 0-400 psi (235° arc) For optimum gauge life, select a gauge with a full scale pressure range of approximately twice the maximum excursion pressure</p>
<p><b>RANGES</b> Vac/0/120 psi retard to 250 psi, 0/500 psi Vac/0/500 psi retard to 800 psi, 0/800 psi <i>Optional, alternate refrigerant ranges</i></p> <p><b>Note:</b> for panel mount refrigeration gauges (recovery, recycling) see Type 1001T gauge. Specify 1001T, XRR gauge</p>	<p><b>RANGES</b> Vac/0/120 psi retard to 250 psi, 0/500 psi Vac/0/500 psi retard to 800 psi, 0/800 psi <i>Optional, alternate refrigerant ranges</i></p> <p><b>Note:</b> for panel mount refrigeration gauges (recovery, recycling) see Type 1001T gauge. Specify 1001T, XRR gauge</p>	<p><b>RANGES</b> Vac-600 psi and compound</p>	<p><b>RANGES</b> 0-60 psi (180° arc); 0-100 psi, 0-160 psi, 0-200 psi, 0-300 psi, 0-400 psi (235° arc) For optimum gauge life, select a gauge with a full scale pressure range of approximately twice the maximum excursion pressure</p>
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These gauges are UL-393 listed, UL of Canada listed and FM approved for fire protection sprinkler service for either water or air systems.

Typical applications include checking or servicing refrigerant levels in automotive, residential or industrial air-conditioning units; refrigerant recovery and reclamation units; refrigerant transport systems and large scale air-conditioning and chilling equipment.

These gauges are designed to meet the needs of heating, ventilating, plumbing and air-conditioning contractors.

Typical applications include filter regulator lubricators, portable compressors, air tanks, industrial machinery and a variety of other applications. Excellent shock resistance.

## Commercial Gauges

TYPE 23DDG MINIGAUGE® PRESSURE GAUGE	TYPE 12DDG/15DDG DIRECT DRIVE GAUGE	TYPE MFX FIRE EXTINGUISHER GAUGE	
			
<b>ACCURACY</b> ±5% of span	<b>ACCURACY</b> Standard: ±2% at setpoint (setpoint is normally 50% of range) UL listed: ±3.5% of span of middle three-fifths of scale	<b>ACCURACY</b> Conforms to applicable UL specs*	
<b>DIAL SIZE</b> 23mm (0.906")	<b>DIAL SIZE</b> 1 1/4", 1 1/2"	<b>DIAL SIZE</b> 1 1/4", 1 1/2"	
<b>CASE MATERIAL</b> ABS blend, black	<b>CASE MATERIAL</b> Stainless steel, sealed	<b>CASE MATERIAL</b> Stainless steel, sealed	
<b>WETTED MATERIAL</b> Beryllium copper tube/brass socket	<b>WETTED MATERIAL</b> Stainless steel, sealed	<b>WETTED MATERIAL</b> Beryllium copper/brass	
<b>SENSING ELEMENT</b> Spiral wound Bourdon tube	<b>WETTED MATERIAL</b> Beryllium copper tube/brass socket	<b>SENSING ELEMENT</b> Spiral wound Bourdon tube <i>Optional, silicone-filled tube</i> <i>Spiral tube, beryllium copper</i>	
<b>CONNECTION</b> 1/8" NPT back with 15mm (9/16") wrench flats. <i>Optional, throttle plugs, PT 1/8" (JIS) and R</i> <i>1/8" (BSPT) threads</i>	<b>SENSING ELEMENT</b> Spiral wound Bourdon tube <i>Optional, silicone dampened tube,</i> <i>silicone-filled tube</i>	<b>CONNECTION</b> 1/8" NPT back <i>Optional, special socket configurations</i>	
<b>RANGES</b> 60 psi-100 psi (180° dial arc) 160 psi-300 psi (235° dial arc)	<b>CONNECTION</b> 1/8" NPT back, safety plug in 1500 psi-4000 psi ranges. <i>Optional, 1/4" NPT back, throttle plugs</i>	<b>RANGES</b> Maximum scale pressure from 200 psi to 1200 psi	
Consult factory for high cycle life applications	<b>RANGES</b> 0/60 psi (180° arc) 0/100 psi, 0/160 psi, 0/200 psi, 0/300 psi, (235° arc) 0/700 psi (200° arc) 0/1,200 psi (180° arc) 0/1,500 psi 0/2,000 psi, 0/3,000 psi, 0/4,000 psi (165° arc)	*UL 299 UL 626 UL 1058 UL 1093	
These gauges are perfect for a multitude of applications where a 1 1/2" conventional size gauge is too large, such as mini-FRL's, pneumatic stack valves, air compressors and accessories.	Applications include pumps, air compressors, portable tire inflators, portable oxygen equipment, self-contained breathing apparatus, portable industrial gas cylinders and a variety of other applications.	These products are designed for use on portable fire extinguishers and systems.	