

SERIES PTGD | DIFFERENTIAL PRESSURE PISTON-TYPE GAGE

FEATURES/BENEFITS

- Rugged, weather and corrosive proof design supports use in harsh environments
- Over-protection range depending on model, up to 6000 psig (400 bar) allows high-pressure applications
- Flexibility of connection selection fits the most sophisticated designs



APPLICATIONS

- Natural, manufactured or LP gas applications

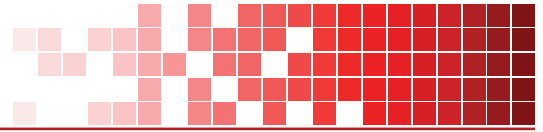
DESCRIPTION

The **SERIES PTGD** Differential Pressure Piston-Type Gage can be used to measure the pressure drop across filters, strainers, pump performance testing, and heat exchanger pressure drop monitoring. Its simple, rugged design possesses weather and corrosive resistant gage front with a shatter resistant lens. The Series PTGD contains a piston-sensing element which provides different differential pressure ranges with full-scale accuracies of $\pm 2\%$. Constructed with aluminum or 316 SS and available with two 1/4" female NPT end connections, the Series PTGD provides over-range protection rated to 3000 psig (200 bar) or 6000 psig (400 bar) depending on model. Standard models come with in-line connections. Back or bottom connections are also available.

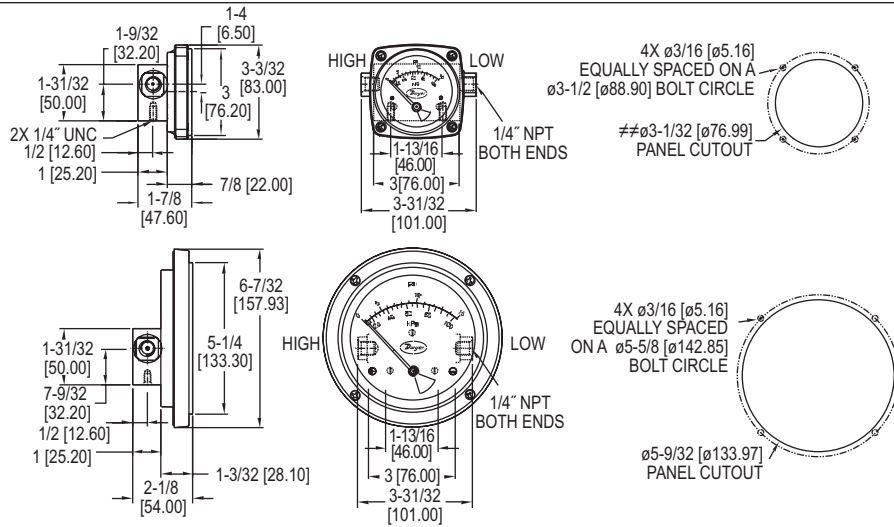
SPECIFICATIONS

Service	Compatible gases and liquids.
Wetted Materials	Gage body: aluminum or 316 SS; Piston: aluminum or 316 SS; Spring 302 SS; Seals: Buna-N (standard); PTFE, Ceramin magnet; Dial case: Nylon 6 30% glass filled gage case.
Window	Acrylic.
Accuracy	$\pm 2\%$ FS ascending.
Temperature Limit	176°F (80°C).
Pressure Limit	3000 psi (206 bar) for aluminum body; 6000 psi (400 bar) for SS body.
Size	2.5" (63 mm) or 4.5" (115 mm).
Mounting Orientation	Mount in any position.
Process Connections	1/4" female NPT end connections standard; 1/4" female NPT back or bottom connections available. All styles available with 1/4" BSP.
Weight	Aluminum: 2.5" 0.88 lb (399 g); 4.5" 1.35 lb (612 g); Stainless steel: 2.5" 1.75 lb (794 g); 4.5" 2.3 lb (1.04 kg).





DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

<p>SERIES</p> <p>PTGD - Differential pressure piston-type gage</p> <p>WETTED PARTS</p> <p>-A - Aluminum -S - 316 stainless steel</p> <p>SIZE</p> <p>-A - 2.5" -C - 4.5"</p> <p>RANGE</p> <p>-01 - 5 psid/0.25 bar -99 - 5 psid/0-600 gpm SQRT scale -37 - 8 psid/0.55 bar -02 - 10 psid/0.75 bar -03 - 15 psid/1.0 bar -04 - 20 psid/1.6 bar -05 - 25 psid/1.6 bar -06 - 30 psid/2.0 bar -07 - 40 psid/3.0 bar -08 - 50 psid/3.5 bar -09 - 60 psid/4.0 bar -10 - 80 psid/5.5 bar</p>	<p>-11 - 100 psid/7.0 bar -12 - 150 psid/10.0 bar -13 - 5 psid/0.25 kg/cm² -14 - 10 psid/0.75 kg/cm² -15 - 15 psid/1.0 kg/cm² -16 - 20 psid/1.6 kg/cm² -17 - 25 psid/1.6 kg/cm² -18 - 30 psid/2.0 kg/cm² -19 - 40 psid/3.0 kg/cm² -20 - 50 psid/3.5 kg/cm² -21 - 60 psid/4.0 kg/cm² -22 - 80 psid/5.5 kg/cm² -23 - 100 psid/7.0 kg/cm²</p>	<p>-24 - 150 psid/10.0 kg/cm² -25 - 5 psid/25 kPa -26 - 10 psid/75 kPa -27 - 15 psid/100 kPa -28 - 20 psid/160 kPa -29 - 25 psid/160 kPa -30 - 30 psid/200 kPa -31 - 40 psid/300 kPa -32 - 50 psid/350 kPa -33 - 60 psid/400 kPa -34 - 80 psid/550 kPa -33 - 100 psid/700 kPa -34 - 150 psid/1000 kPa</p>	<p>OPTIONS</p> <p>-N - EDPM seals -PY - Glycerin fill -PF - Pointer follower -RP - Reverse port -SP1 - 1 SPDT DIN plug -SP2 - 2 SPDT DIN plugs -V - FKM seals</p> <p>VARIANT 2</p> <p>-A - 1/4" female NPT inline -B - 1/4" female NPT rear -C - 1/4" female NPT bottom -D - 1/4" female BSP inline -E - 1/4" female BSP rear -F - 1/4" female BSP bottom</p>
---	--	---	--

ACCESSORIES

Model	Description
A-627	Universal pipe mounting kit, for 2" diameter pipe only
NISTCAL-PG1	NIST traceable pressure calibration certificate for pressure gages over 1% accuracy

Important Notice: Dwyer Instruments, Inc. reserves the right to make changes to or discontinue any product or service identified in this publication without notice. Dwyer advises its customers to obtain the latest version of the relevant information to verify, before placing any orders, that the information being relied upon is current.

