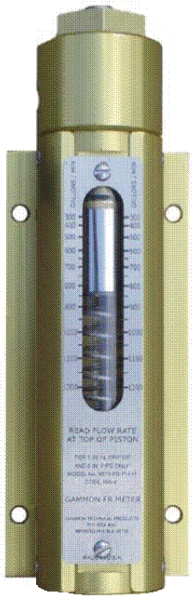
GAMMON DIRECT READING DIFFERENTIAL PRESSURE INDICATOR

- READ DIFFERENTIAL PRESSURE DIRECTLY WITHOUT CALCULATION
- ACCURACY 1/2PSI DIFFERENTIAL AT PRESSURES UP TO 300PSI
- UNAFFECTED BY PRESSURE SURGES
- DUAL CALIBRATION, PSI AND BAR
- BUILT IN GAUGE PROTECTION FILTER
- RUGGED CONSTRUCTION, SUITABLE FOR MOBILE AND STATIONARY USEAGE
- STAINLESS STEEL SCALE
- UPPER AND LOWER SECTIONS CAN BE ROTATED TO ALLOW CONNECTIONS EITHER SIDE



Standard Gauge

Gauge With Test Valve

Introduction.

Differential pressure gauges are installed on filter vessels to display the differential pressure across the filter elements. This information is used to determine when the elements are blocked and require changing, but if readings are taken regularly and displayed graphically a trend can be observed and any deviations can then be investigated fully.

General Description.

This direct reading gauge uses the simplest method of measurement available. The piston is contained in a close fitting glass tube with a spring beneath it. High pressure from the filter inlet is fed to the top of the tube and low pressure from the filter outlet is fed to the bottom of the tube. The differential pressure is read directly from the position of the top of the piston against the scale.

Because of its' simple design the calibration of this gauge is not affected by pressure surges, unlike a "Bourdon Tube" gauge. It can easily be checked for free movement and zero error by fitting a simple 3 port valve to the low pressure side of the gauge, which is piped back to a reservoir such as the vehicle tank. The gauge has a 10 micron filter which ensures that dirt from the high pressure connection will not enter the cylinder, and an ultra-violet light shield to prevent lead oxide deposits forming when used with aviation gasoline (Avgas).

The Gammon gauge has therefore become a standard within the aviation refuelling industry where the flow rates and resultant surge pressures demand the highest equipment standards. However, the design has been improved even further with the introduction of a variant which incorporates an integral push button free movement test/thermal relief valve, as shown above. This prevents the build up of potentially damaging thermal pressures, and allows the gauge to meet the free movement test requirements of API1581.

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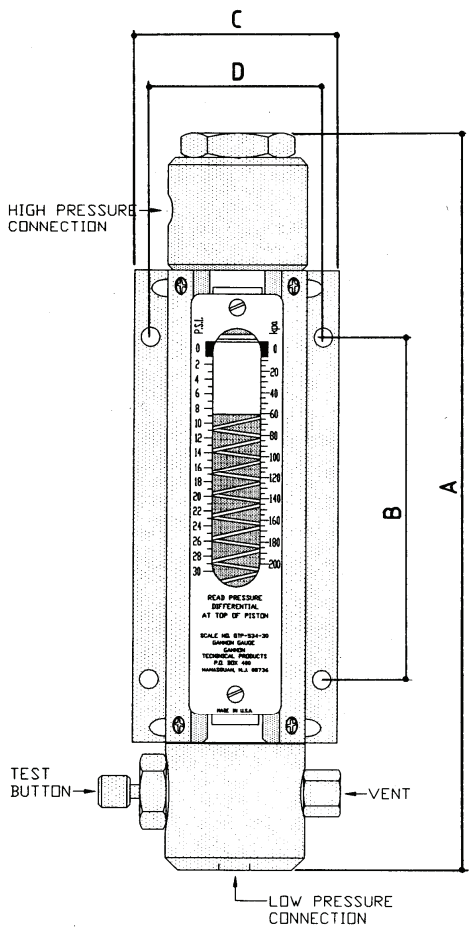
Overall Dimensions.



Dimension	Standard Gauge 6001044002	Gauge With Free Movement Test Valve 6001044050
A	230mm	273mm
B	124mm	124mm
C	76mm	76mm
D	63mm	63mm
Mounting Hole Diameter	7mm	7mm
High/Low Pressure Connections	1/4" BSPP female	1/4"BSPP female
Vent Connection	None	1/8" NPT female
Nett Weight	0.90 Kg	1.25 Kg.

How To Order.

Simply quote the appropriate part number.
Part Number 6001044002. Standard Gauge, BSP threads, 0-30psi. (Gammon GTP-534-30A).
Part Number 6001044050. Gauge with push button free movement test valve, BSPP threads, 0-30psi. (Gammon GTP-534PB-30A).

We can also supply 0-15psi gauges, NPT threaded gauges, all Stainless Steel gauges, and gauges fitted with a built in differential pressure switch.

Detailed Specification.

Material Of Construction:- Aluminium Alloy/ Stainless Steel.
Seals:- Viton.
Maximum Working Pressure:- 300psi.
Cylinder Test Pressure:- 1200psi.
Working Temperature:- minus 40 deg C to plus 70 deg C.
Inlet and Outlet Connections:- 1/4" BSPP female.
Vent Connection (Free movement test variant only):- 1/8" NPT female.

Accessories.

Aljac Fuelling Components can offer a full range of accessories alongside the basic gauge, including free movement test valves, isolation valves, Stainless Steel compression fittings, Stainless Steel sense tubing, and fitting kits including all of the above items.
Retro fit kits are also now available to convert older standard gauges to the latest free movement test valve type (part number 60025528PB).

Please discuss your requirements with our Sales Department.