

FUELLING SOLUTIONS

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GAUGES

GAMMON DIFFERENTIAL PRESSURE GAUGES

These gauges are a spring-loaded cylinder type and have a TEST valve or push-button to check that the cylinder has full, free travel. Typically, the 30psi spring versions are used unless otherwise specified.

They measure the Differential Pressure across the filter vessel, increasing pressure indicating that the filtration elements / cartridges are becoming clogged and will need replacing on / before a specified pressure level.

Common Features

- Read differential pressure directly at top of piston
- Accurate within 1/2 psi at system pressures to 300psi
- No subtraction calculation required
- All models available in aluminium or stainless steel
- Positive and negative Surge Pressures will not influence calibration
- Multiple calibrations: Front face - psi and kPa
Back face - Bar and kg/cm²
- Every glass tube tested to 1200psi
- Rugged construction: Suitable for vehicle or stationary use
- Built-in Gauge Protection Filter, 10 microns
- Maximum Operating Pressure: 300psi
- Fittings: 1/4" NPT female, 1/4" BSP available
- Temperature Range: Standard Viton Seals: -30° to 160°F; -34° to +71°C
Low Temperature Seals: -90°F/-68°C
- Ultraviolet Light Protection: film cover prevents rays from degrading fuel in the glass tube.
- Two scale ranges available, 0-15 and 0-30psi. Any 0-15psi gauge can be converted to 0-30psi by ordering kit GTP-9104 containing a new spring and a new nameplate (scale).

System pressure gauges available to mount at top of all models

To add a 2" face diameter gauge, order:

GTP-686A for 0-60psi GTP-686C for 0-160psi
GTP-686B for 0-100psi GTP-686D for 0-300psi



GAMMON GAUGE CONTROL SYSTEM



PEAK HOLD
With Push Button
TEST VALVE
GTP-534-PB-PH



PUSH BUTTON
IN FRONT
GTP-534 PBF

GAMMON DIFFERENTIAL PRESSURE GAUGES

Unique Features

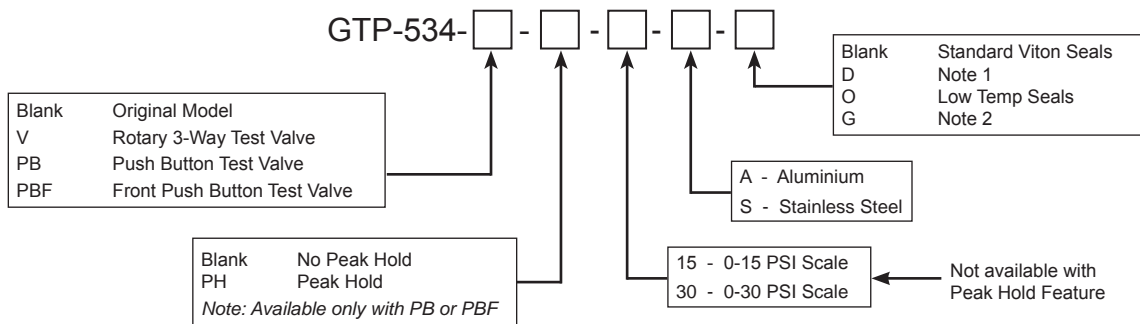
Peak-Hold reading - The maximum differential pressure that is measured during an operation automatically locks the piston so that the operator will have that information without actually having watched the gauge at the time. After the reading has been seen, the operator releases the piston by turning a knob. It is usually impossible for the operator to see the gauge while refuelling an aircraft so the highest differential pressure reading is rarely seen, just as in the case of an unmanned facility such as pipeline or hydrant system. This feature eliminates that problem.

Push Button Test Valve - Hold the button inward to relieve pressure under the piston. System pressure will force the piston down so operator can observe motion. Erratic movement of the piston indicates contamination of piston and glass tube, requiring cleaning.

Note: This test releases about 30ml of fuel that can be collected in a cup or directed to recovery systems.

Pressure Relief Feature - Incorporated in all Push Button models is a pressure relief valve set at 300psi to protect the gauge from excessive pressure if isolation valves have been closed.

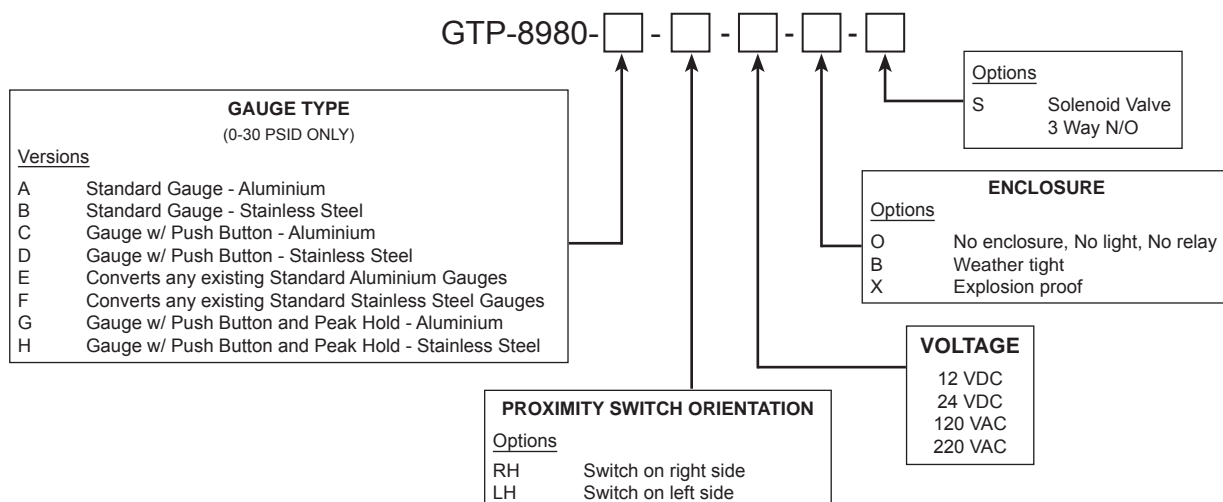
Ordering Information - GTP 534 Series



Note 1 - A suffix D provides 2 Selector Valves, one at each connection. The ports on each valve are labelled A and B so that the gauge can be connected to measure differential pressure alternately on two different filters or on a filter having two stages.

Note 2 - Same as Note 1 but suffix G denotes 1/4 BSP threads

Ordering Information - GTP 8980 Series

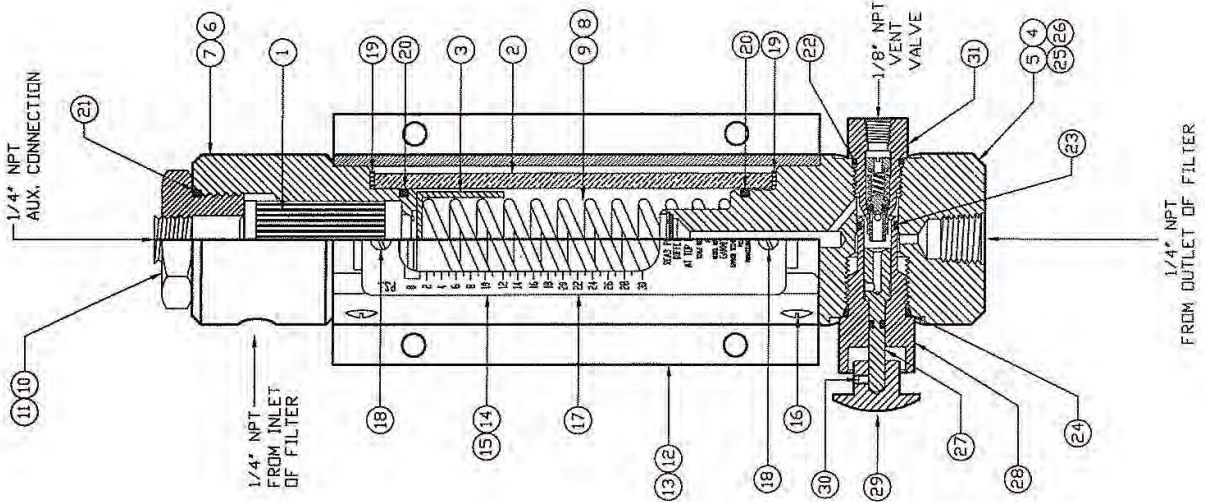


GAMMON DIFFERENTIAL PRESSURE GAUGES

Differential Pressure Indicator with Push Button

Item No	Part No	Description	Qty				Material
			GTP-534-PB-30A	GTP-534-PB-15A	GTP-534-PB-30S	GTP-534-PB-15S	
1	GTP-2233	Filter Element	1	1	1	1	-
2	GTP-547	Glass Cylinder	1	1	1	1	Glass
3	GTP-548	Piston	1	1	1	1	-
4	GTP-552-8PB	Lower Flange Assembly - PB on side	1	1	-	-	Aluminium
5	GTP-552-9PB	Lower Flange Assembly - PB on side	-	-	1	1	Stainless Steel
6	GTP-8935-1	Upper Flange Assembly	1	1	-	-	Aluminium
7	GTP-8935	Upper Flange Assembly	-	-	1	1	Stainless Steel
8	GTP-560-1	Spring 0-15 Range	-	1	-	1	Stainless Steel
9	GTP-560-2	Spring 0-30 Range	1	-	1	-	Stainless Steel
10	GTP-8950	Bleeder Plug Assembly	1	1	-	-	Aluminium
11	GTP-8950-1	Bleeder Plug Assembly	-	-	1	1	Stainless Steel
12	GTP-581-1	Cage	1	1	-	-	Aluminium
13	GTP-537-4	Cage	-	-	1	1	Stainless Steel
14	GTP-690-1	Scale 0-30 Range	1	-	1	-	Stainless Steel
15	GTP-672-1	Scale 0-15 Range	-	1	-	1	Stainless Steel
16	GTP-582	Screw	8	8	8	8	Stainless Steel
17	GTP-1271	UV Shield	1	1	1	1	Mylar
18	GTP-701	Screw	2	2	2	2	Stainless Steel
19	GTP-9341	Washer	2	2	2	2	Nylon
20	GTP-2200-023V	O-Ring	2	2	2	2	Stainless Steel
21	GTP-2200-119V	O-Ring	1	1	1	1	Stainless Steel
22	GTP-2200-906V	O-Ring	1	1	1	1	Viton
23	GTP-2200-012V	O-Ring	1	1	1	1	Viton
24	GTP-2200-908V	O-Ring	1	1	1	1	Viton
25	GTP-9170-10	Lower Flange Assembly - PB on front	1	1	-	-	Aluminium
26	GTP-9170-11	Lower Flange Assembly - PB on front	-	-	1	1	Stainless Steel
27	GTP-552-8J	Push Button Shaft Assembly	1	1	1	1	S/S / Viton
28	GTP-552-8A	Actuator Body	1	1	1	1	Stainless Steel
29	GTP-552-8E	Knob	1	1	1	1	Aluminium
30	-	Set Screw	1	1	1	1	S/S / Nylon
31	GTP-552-8G	Vent Port Assembly	1	1	1	1	S/S / Viton

Ordering Information - Parts List



PRESSURE GAUGES

These gauges are designed to resist pulsation, shock, vibration, weather and most corrosive atmospheres. Fluid medium which does not clog connection port or corrode 316 stainless steel.

Technical Specifications

Accuracy

± 1% of Span (Grade A ANSI B40.1)

Ranges

0-1000 kPa/psi and 0-1600 kPa/psi

Operating temperature

Ambient = -20°C to 60°C

Media: max. +85°C

Connection

Material: 316L Stainless Steel welded to case

Low back mount (LBM) 1/4" BSPT

Bourdon Tube

Material: 316L Stainless Steel

30" Hg to 800 psi by C-type

Movement

Stainless steel

Dial

White painted aluminium

Pointer

Micro Adjustable

Case

304 stainless steel with polished twist lock ring, with panel mount clamp

Ring

Bayonet SST ring with front flange

Window

Tempered glass, sealed to case with gasket suitable for silicone



Ordering Information:

Part No	Description	Size
9095	0-1000 kPa/psi	63mm
PGSS1000	0-1000 kPa / 0-145 psi	100mm
PGSS1600	0-1600 kPa / 0-230 psi	100mm

NB: Order options - Silicon fill

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