

Process Gauges

SOLFRUNT[®] 4-1/2" and 6" - Copper-Alloy Wetted Material

MODELS 1901 and 1903

USG Location: Largo, FL

Description:

CASE and RING: Black Aluminum back-flanged style case with aluminum threaded ring and pressure relieved back.

WINDOW: High temperature acrylic, shatter-resistant glass optional¹

POINTER: Black anodized aluminum, micro-adjustable

DIAL: Aluminum with white background and black marking, including material identifications for Bourdon Tube and Connection. Standard dial is single scale in PSI.

MOVEMENT: Geared movement with components of corrosion-resistant 300 Series stainless steel.

BOURDON TUBE: Phosphor Bronze

CONNECTION: Brass, 1/2-14 ANPT standard (1/4-18 ANPT optional); 1901 Series - Low Mount; 1903 Series - Low Back Mount

ACCURACY: $\pm 0.5\%$ of span (Grade 2A)²

LIQUID FILLING: The standard gauge is dry. Standard fill fluid is Glycerin, with Silicone, Mineral Oil, and other fluids optional.



Figure 1: Model 1901, 4-1/2"

Standard Model	List Price
1901 4-1/2" Dry Case, 1/2" ANPT Connection with PSI scale	\$ 156.25
1901 6" Dry Case, 1/2" ANPT Connection with PSI scale	\$ 261.90
1903 4-1/2" Dry Case, 1/2" ANPT Connection with PSI scale, LBM, Panel Mount	\$ 187.60
1903 6" Dry Case, 1/2" ANPT Connection with PSI scale, LBM, Panel Mount	\$ 256.90

Options (Not all available on both sizes):	List Adder
Liquid Fill Kit (Model 1901 4-1/2" only)	\$ 25.40
1/4" ANPT Connection	\$ 0.00
Metric Dial (KPA, BAR, KG/CM ²) 4.5" Only	\$ 0.00
Dual Scale Dial 4.5" Only	\$ 0.00
Custom Dial (\$100 set-up charge) ³ 4.5" Only	\$ 0.00
1901 4-1/2" Lazyhand (USG Spec 156147)	\$ 80.00
1903 4-1/2" Lazyhand (USG Spec 074963)	\$ 80.00
4-1/2" Shatter-Resistant Window	\$ 8.25
Factory Glycerin Fill (4-1/2" only with fill kit)	\$ 46.65
Factory Silicone Fill (4-1/2" only with fill kit)	\$ 51.60
Factory Mineral Oil Fill (4-1/2" only with fill kit)	\$ 51.60
Oxygen Service	\$ 45.00
Service Identification Tag	\$ 15.50
Screw Check (Restrictor or Snubber)	\$ 6.50
NIST Certification	\$ 160.00

¹ USG does not offer standard glass window with SOLFRUNT gauges as an option due to safety concerns.

² Pressure ranges 10,000 PSI and above have $\pm 0.5\%$ ascending and $\pm 1.0\%$ descending pressures accuracies.

³ Minimum order size of 10 units for custom dials. Set-up charge one time only.

Master Gauge Co.



WHEN UNDER PRESSURE THINK OF US!

1150 W. GRAND AVE. CHICAGO, IL 60642 - TOLL-FREE: 1-800-259-2705 - PHONE: 1-312-666-2705 - FAX: 1-312-666-6458 - MASTERGAUGECo.COM

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Note : This table is not intended to be all inclusive of all possible configurations. Contact USG Sales for pressure ranges not listed or for single scale metric ranges.

Model:	1901			1903		
Connection Type:	Low Mount			Low Back Mount		
Connection Size ⁴ :	1/2" ANPT	1/4" ANPT	1/2" ANPT	1/2" ANPT	1/4" ANPT	1/2" ANPT
Gauge Size:	4-1/2"	4-1/2"	6"	4-1/2"	4-1/2"	6"
Dial Scale ⁵ :	PSI	PSI	PSI	PSI	PSI	PSI
Fill Fluid Type ⁶ :	N/A	N/A	N/A	N/A	N/A	N/A
Pressure Range:	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.
VAC 0 - 30" Hg	150200	155200	132501	150350	155350	132539
30" - 0 - 15 PSI	150201	155201	132502	150351	155351	132540
30" - 0 - 30 PSI	150202	155202	-	150352	155352	-
30" - 0 - 60 PSI	-	-	-	150353	155353	-
30" - 0 - 100 PSI	150204	155204	-	150354	155354	-
0 - 15 PSI	150205	155205	132507	150355	155355	132545
0 - 30 PSI	150206	155206	132508	150356	155356	132546
0 - 60 PSI	150207	155207	132509	150357	155357	132547
0 - 100 PSI	150208	155208	132510	150358	155358	132548
0 - 160 PSI	150209	155209	132511	150359	155359	132549
0 - 200 PSI	150210	155210	132512	150360	155360	132550
0 - 300 PSI	150211	155211	132513	150361	155361	132551
0 - 400 PSI	150212	155212	132514	150362	155362	132552
0 - 600 PSI	150213	155213	132515	150363	155363	132553
0 - 1,000 PSI	150214	155214	132516	150364	155364	132554

⁴ For 6" 1901 & 1903 with 1/4" NPT connection, use 133XXX.

⁵ For dual scale dials or single scale metric dials, contact USG Sales for options and availability.

⁶For factory liquid filling, add LG for Glycerin and LS for Silicone for suffix. Contact USG Sales for other case fill options.

Notes:



Figure 2: Model 1903, 4-1/2"

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