

Precision Test Gauges

USG Location: Largo, FL

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

MODELS 1403 & 1404

Description:

CASE: Cast Aluminum case with pressure relieved back

RING: **1403** - Steel hinged, black
1404 - Aluminum snap-lock bayonet-style ring, black

WINDOW: Molded Acrylic with gasket¹

POINTER: Knife-edge, black anodized aluminum, micro-adjustable

DIAL: Aluminum with white background, black marking, and mirrored edge. Standard dial scale in PSI.

MOVEMENT: Geared ARC-LOK® movement with phosphor bronze and stainless steel components to minimize friction and wear.

BOURDON TUBE: Seamless Phosphor Bronze (30" Hg through 60 PSI) and Beryllium Copper (100 through 5,000 PSI)

CONNECTION TYPE: Brass, 1/2-14 ANPT Standard (1/4-18 ANPT optional)

MOUNTING TYPE: **1403** - Front Flanged for Panel Mounting
1404 - Flangeless for Stem Mounting

ACCURACY: ±0.25% of span (Grade 3A)



Figure 1: Model 1404 with Dual Scale Dial

Maximum Indication	Figure Interval	Smallest Interval
VAC 30" Hg	2" Hg	0.1" Hg
15 PSI	1	0.05
30 PSI	2	0.1
60 PSI	5	0.2
100 PSI	5	0.5
160 PSI	10	1
200 PSI	10	1
300 PSI	20	1
600 PSI	50	2
1,000 PSI	50	5
1,500 PSI	100	5
2,000 PSI	100	10
3,000 PSI	200	10
5,000 PSI	200	20

Standard Model	List Price
4-1/2", 1/2" ANPT LM & LBM Connection, all pressures	\$ 362.15
6", 1/2" ANPT LM & LBM Connection, all pressures	\$ 453.35

Options:	List Adder
1/4" ANPT Connection	\$ 0.00
Metric Dial (KPA, BAR, KG/CM ²)	Quote
Dual Scale Dial	Quote
Custom Dial (\$100 set-up charge) ²	\$ 100.00
Shatter-Resistant Window (4-1/2" only)	\$ 8.50
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 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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Figure 2: Model 1403

Sample USG Spec:
(Applicable to PSI only gauges)
132025 SR

Additional Options:
SR = Shatter-resistant window
CL = Oxygen Service
/C = NIST Certification

Pressure Range (see table below)

132 = 1/2" ANPT
133 = 1/4" ANPT

Note: This table is not intended to be all inclusive of all possible configurations

Model:		1403			
Gauge Size:		4-1/2"	4-1/2"	6"	6"
Connection Size:		1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT
Pressure Range:		Spec No.	Spec No.	Spec No.	Spec No.
VAC	0 - 30" Hg	132258	133258	132592	133592
30"	0 - 60 PSI			-	172860
	0 - 15 PSI	132255	133255	132593	133593
	0 - 30 PSI	132256	133256	132594	133594
	0 - 60 PSI	132257	133257	132595	133595
	0 - 100 PSI	132259	133259	132596	133596
	0 - 160 PSI	132260	133260	132597	133597
	0 - 200 PSI	132261	133261	132598	133598
	0 - 300 PSI	132262	133262	132599	133599
	0 - 400 PSI	-	-	-	-
	0 - 600 PSI	132264	133264	132601	133601
	0 - 1,000 PSI	132265	133265	132602	133602
	0 - 1,500 PSI	-	-	132603	133603
	0 - 2,000 PSI	132267	133267	132604	133604
	0 - 3,000 PSI	132268	133268	132605	133605
	0 - 5,000 PSI	132269	133269	132606	133606

Notes:

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MODELS 1403 & 1404

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Note: This table is not intended to be all inclusive of all possible configurations

Model:		1404			
Gauge Size:		4-1/2"	4-1/2"	6"	6"
Connection Size:		1/2" ANPT	1/4" ANPT	1/2" ANPT	1/4" ANPT
Pressure Range:		Spec No.	Spec No.	Spec No.	Spec No.
VAC	0 - 30" Hg	132243	133243	132577	133577
	0 - 15 PSI	132240	133240	132578	133578
	0 - 30 PSI	132241	133241	132579	133579
	0 - 60 PSI	132242	133242	132580	133580
	0 - 100 PSI	132244	133244	132581	133581
	0 - 160 PSI	132245	133245	132582	133582
	0 - 200 PSI	132246	133246	132583	133583
	0 - 300 PSI	132247	133247	132584	133584
	0 - 400 PSI	132248	133248	-	-
	0 - 600 PSI	132249	133249	132586	133586
	0 - 1,000 PSI	132250	133250	132587	133587
	0 - 1,500 PSI	132251	133251	132588	-
	0 - 2,000 PSI	132252	133252	132589	133589
	0 - 3,000 PSI	132253	133253	132590	133590
	0 - 5,000 PSI	132254	133254	132591	133591

Notes:



Figure 3: Model 1404

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