

**Liquid Filled & Fillable Gauges**

**USG Location:** Clawson, MI

Open Front 2-1/2" (63mm) & 4" (100mm) - Stainless Steel Wetted Material

**MODEL 656**

**Description:**

CASE and RING: 304 Series stainless steel case and bayonet-style ring with pressure relieved back vent

WINDOW: 2-1/2" (63mm) - High Temperature Acrylic, Shatter-Resistant Glass optional<sup>1</sup>  
4" (100mm) - Laminated Shatter-Resistant Glass<sup>1</sup>

POINTER: Black anodized aluminum, micro-adjustable (100mm only)

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 corrosion-resistant 304 Series stainless steel components. Optional dampened movement available as special order and subject to minimum buy quantity.

BOURDON TUBE: Seamless 316L stainless steel

CONNECTION: 2-1/2" (63mm) - 316L stainless steel, 1/4-18 NPT standard  
4" (100mm) - 316L stainless steel, 1/2-14 NPT standard (1/4-18 NPT optional)

CONNECTION TYPE: Stem Mount (LM), Center Back Mount (CBM, 2-1/2" or 63mm only), Front Flange Panel Mount (LBM), U-Clamp (LBM, 2-1/2" or 63mm only), and Mid-Flange Panel Builders (LBM), Screw check standard.

ACCURACY: 2-1/2" (63mm) - ±1.6% of span (Grade B+); 4" (100mm) - ±1% of span (Grade 1A)

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

Standard Model	List Price
2-1/2" (63mm) Dry Case, 1/4" NPT LM Connection with PSI scale	\$ 57.75
2-1/2" (63mm) Dry Case, 1/4" NPT CBM Connection with PSI scale	\$ 65.40
2-1/2" (63mm) Dry Front Flange Case, 1/4" NPT LBM Connection with PSI scale	\$ 72.00
2-1/2" (63mm) Dry U-Clamp Case, 1/4" NPT LBM Connection with PSI scale	\$ 74.90
4" (100mm) Dry Case, 1/2" NPT LM Connection with PSI scale	\$ 108.20
4" (100mm) Dry Case, 1/4" NPT LM Connection with PSI scale	\$ 108.20
4" (100mm) Dry Front Flange Case, 1/4" NPT LBM Connection with PSI scale	\$ 144.05

<sup>1</sup> USG does not offer standard glass window with Model 656 gauges as an option due to safety concerns.

<sup>2</sup> Minimum order size 10 units for custom dial. Set-up charge one

<sup>3</sup> Add "NACE Cert" in a separate line item

Options:	List Adder
1/4" NPT Connection (4" or 100mm only)	\$ 0.00
Metric Dial <sup>3</sup> (KPA, BAR, KG/CM <sup>2</sup> )	\$ 1.50
Dual Scale Dial	\$ 0.00
Custom Dial (\$100 set-up charge) <sup>2</sup>	\$ 0.00
Shatter-Resistant Window (2-1/2" only)	\$ 3.25
Factory Glycerin Fill (2-1/2" or 63mm)	\$ 8.75
Factory Silicone Fill (2-1/2" or 63mm)	\$ 17.55
Factory Mineral Oil Fill (2-1/2" or 63mm)	\$ 17.55
Factory Glycerin Fill (4" or 100mm)	\$ 29.25
Factory Silicone Fill (4" or 100mm)	\$ 40.95
Factory Mineral Oil Fill (4" or 100mm)	\$ 40.95
Oxygen Service	\$ 45.00
Service Identification Tag	\$ 5.50
NIST Certification	\$ 160.00
<b>NEW!</b> NACE Certificate of Compliance <sup>3</sup>	\$ 137.00



Figure 1: Model 656LG in LM and LBM, U-Clamp Connections

**Master Gauge Co.**



**WHEN UNDER PRESSURE THINK OF US!**

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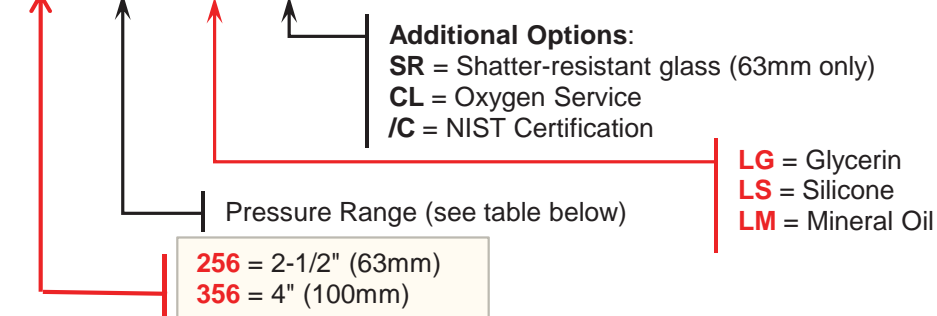
**USG Location: Clawson, MI**

Open Front 2-1/2" (63mm) & 4" (100mm) - Stainless Steel Wetted Material

**MODEL 656**

Sample USG Spec:

**256 025 LG SR**



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

<b>Model:</b>		6562			
<b>Gauge Size:</b>	2-1/2" (63mm)	2-1/2" (63mm)			
<b>Connection Size:</b>	1/4" NPT	1/4" NPT			
<b>Connection Type:</b>	LM	CBM			
<b>Mounting Type:</b>	Stem Mount	Stem Mount			
<b>Dial Scale<sup>4</sup>:</b>	PSI	PSI & KPA	PSI & BAR	PSI	PSI & KPA
<b>Fill Fluid Type<sup>5</sup>:</b>	See Note	See Note	See Note	See Note	See Note
<b>Pressure Range:</b>	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.
VAC 0 - 30" Hg	256000	256098	256222	256024	256196
30" - 0 - 15 PSI	256001	256184	256223	256025	256197
30" - 0 - 30 PSI	256002	256151	256224	256026	256198
30" - 0 - 60 PSI	256003	256185	256225	256027	256199
30" - 0 - 100 PSI	256004	256186	256226	256028	256200
30" - 0 - 150 PSI	256005	256187	256227	256029	256201
0 - 15 PSI	256007	256156	256230	256031	256204
0 - 30 PSI	256008	256174	256231	256032	256205
0 - 60 PSI	256009	256173	256232	256033	256206
0 - 100 PSI	256010	256160	256233	256034	256207
0 - 160 PSI	256011	256169	256234	256035	256208
0 - 200 PSI	256012	256155	256235	256036	256209
0 - 300 PSI	256013	256158	256236	256037	256210
0 - 400 PSI	256014	256170	256237	256038	256211
0 - 600 PSI	256015	256171	256238	256039	256212
0 - 1,000 PSI	256016	256096	256240	256040	256214
0 - 1,500 PSI	256017	256191	256241	256041	256215
0 - 2,000 PSI	256018	256153	256242	256042	256216
0 - 3,000 PSI	256019	256152	256243	256043	256217
0 - 4,000 PSI	256020	256192	256244	256044	256218
0 - 5,000 PSI	256021	256193	256245	256045	256219
0 - 6,000 PSI	256022	256194	256246	256046	256220
0 - 10,000 PSI	256023	256195	256247	256047	256221

<sup>4</sup>Contact USG Sales for other dual scale and metric single scale dials.

<sup>5</sup>For factory liquid filling, add LG for Glycerin and LS for Silicone as suffix. Contact USG Sales for other case fill options.



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**MODEL 656**

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

<b>Model:</b>		<b>6562</b>			
<b>Gauge Size:</b>	2-1/2" (63mm)		2-1/2" (63mm)		
<b>Connection Size:</b>	1/4" NPT		1/4" NPT		
<b>Connection Type:</b>	LBM		LBM		
<b>Mounting Type:</b>	Front Flange		U-Clamp		
<b>Dial Scale<sup>4</sup>:</b>	PSI	PSI & KPA	PSI	PSI & KPA	
<b>Fill Fluid Type<sup>5</sup>:</b>	See Note	See Note	See Note	See Note	
<b>Pressure Range:</b>	<b>Spec No.</b>	<b>Spec No.</b>	<b>Spec No.</b>	<b>Spec No.</b>	
VAC 0 - 30" Hg	256048	256249	256072	256275	
30" - 0 - 15 PSI	256049	256250	256073	256276	
30" - 0 - 30 PSI	256050	256251	256074	256277	
30" - 0 - 60 PSI	256051	256252	256075	256278	
30" - 0 - 100 PSI	256052	256253	256076	256279	
30" - 0 - 150 PSI	256053	256254	256077	256280	
0 - 15 PSI	256055	256257	256079	256283	
0 - 30 PSI	256056	256258	256080	256284	
0 - 60 PSI	256057	256259	256081	256285	
0 - 100 PSI	256058	256260	256082	256286	
0 - 160 PSI	256059	256261	256083	256287	
0 - 200 PSI	256060	256262	256084	256288	
0 - 300 PSI	256061	256263	256085	256289	
0 - 400 PSI	256062	256264	256086	256290	
0 - 600 PSI	256063	256265	256087	256291	
0 - 1,000 PSI	256064	256267	256088	256293	
0 - 1,500 PSI	256065	256268	256089	256294	
0 - 2,000 PSI	256066	256269	256090	256295	
0 - 3,000 PSI	256067	256270	256091	256296	
0 - 4,000 PSI	256068	256271	256092	256297	
0 - 5,000 PSI	256069	256272	256093	256298	
0 - 6,000 PSI	256070	256273	256094	256299	
0 - 10,000 PSI	256071	256274	256095	256300	

**Notes:**

**Figure 2:** Model 656 Front Flange with LBM Connection

<sup>4</sup> Contact USG Sales for other dual scale and metric single scale dials.

<sup>5</sup> For factory liquid filling, add LG for Glycerin and LS for Silicone as suffix. Contact USG Sales for other case fill options.



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**MODEL 656**

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<b>Model:</b>		<b>6566</b>					
<b>Gauge Size:</b>		4" (100mm)		4" (100mm)		4" (100mm)	
<b>Connection Size:</b>		1/4" NPT		1/2" NPT		1/4" NPT	
<b>Connection Type:</b>		LM		LM		LBM	
<b>Mounting Type:</b>		Stem Mount		Stem Mount		Front Flange	
<b>Dial Scale<sup>4</sup>:</b>		PSI	PSI & KPA	PSI	PSI & KPA	PSI	PSI & KPA
<b>Fill Fluid Type<sup>5</sup>:</b>		See Note	See Note	See Note	See Note	See Note	See Note
<b>Pressure Range:</b>		Spec No.	Spec No.	Spec No.	Spec No.	Spec No.	Spec No.
VAC	0 - 30" Hg	356000	356151	356025	356177	356050	356178
30"	0 - 15 PSI	356001	356184	356026	356176	356051	356224
30"	0 - 30 PSI	356002	356154	356027	356160	356052	356225
30"	0 - 60 PSI	356003	356187	356028	356208	356053	356226
30"	0 - 100 PSI	356004	356189	356029	356209	356054	356227
30"	0 - 150 PSI	356005	356190	356030	356210	356055	356228
0 -	15 PSI	356007	356193	356032	356152	356057	356153
0 -	30 PSI	356008	356194	356033	356213	356058	356182
0 -	60 PSI	356009	356183	356034	356170	356059	356186
0 -	100 PSI	356010	356175	356035	356214	356060	356185
0 -	160 PSI	356011	356195	356036	356215	356061	356155
0 -	200 PSI	356012	356179	356037	356169	356062	356188
0 -	300 PSI	356013	356158	356038	356174	356063	356180
0 -	400 PSI	356014	356196	356039	356216	356064	356232
0 -	600 PSI	356015	356197	356040	356171	356065	356233
0 -	800 PSI	356016	356198	356041	356217	356066	356234
0 -	1,000 PSI	356017	356199	356042	356156	356067	356235
0 -	1,500 PSI	356018	356200	356043	356218	356068	356236
0 -	2,000 PSI	356019	356201	356044	356219	356069	356237
0 -	3,000 PSI	356020	356202	356045	356172	356070	356238
0 -	6,000 PSI	356021	356204	356046	356173	356071	356157
0 -	10,000 PSI	356022	356205	356047	356221	356072	356240
0 -	14,500 PSI	356023	356206	356048	356222	356073	356241
0 -	23,000 PSI	356024	356207	356049	356223	356074	356242

<sup>4</sup> Contact USG Sales for other dual scale and metric single scale dials.

<sup>5</sup> For factory liquid filling, add LG for Glycerin and LS for Silicone as suffix. Contact USG Sales for other case fill options.

**Notes:**



Figure 3: Model 656 100mm

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