

# Safety Zone Reflective Glow Gauge



2.5" Model -20S (1/4" NPT)  
 4" Models-40S (1/4" NPT) & 41S (1/2" NPT)  
 6" Models-60S (1/4" NPT) & 61S (1/2" NPT)

**Glow-in-the-Dark dial and Reflective Pointer** (US Patent No.: 6,415,672 B1)

**Dry, Liquid Fillable or Pre-Filled.** (VibraGauge® dampened movement option also available)

- >Case Relief Grommet
- >"Visual Systems" compliance (T.P.M.), with "easy to set" operating zone tabs
- >Glow Dial - Photoluminescent polycarbonate (black figures) (ambient rated to 200F)
- >Black Aluminium (Adjustable) Pointer with Retro-Reflective Enhancement
- >AISI 316 Stainless Steel Wetted Parts
- >AISI 316 Stainless Steel Case
- >AISI 316 Stainless Steel Bayonet Ring (w/ Adjustable Reflective Safety Zone Tabs)
- >Orifice Restrictor Screw for Pulsation (Removable)

**ACCURACY**  
 ± 0.5% Full Scale (ASME B40.1 Grade 2A)(± 1.0% on Model 20S)

**LENS**  
 Laminated Safety Glass, removable/replaceable - 4mm thick .

- MOUNTING TYPES**
- No Code:** Bottom Connection
  - LB:** Lower Back Connection (**CB:** Center-Back, Special, N/A on 21/2")
  - FP:** Front Flange for Panel Mounting
  - C:** C-Clamp Fixing for Panel Mounting (Not Available on Solid Front Model)
  - R:** Rear Flange for Wall Mounting
  - S:** Solid Front/Blow-out Back (Safety Case)

**PRESSURE RANGE CODES** (up to 60,000 psi available on 6 inch SF/BOB case)

Range Code	Range (psi)	Range Code	Range (psi)	
V30	30"Hg - 0 Vacuum	300	0-300	
R315	Receiver 3-15	400	0-400	
C15	30"Hg -0- 15	600	0-600	
C30	30"Hg -0- 30	800	0-800	
C60	30"Hg -0- 60	1K	0-1,000	
C100	30"Hg -0- 100	1500	0-1,500	
C160	30"Hg -0- 160	2K	0-2,000	
C200	30"Hg -0- 200	3K	0-3,000	
C300	30"Hg -0- 300	4K	0-4,000	
15	0-15	5K	0-5,000	
30	0-30	6K	0-6,000	
60	0-60	10K	0-10,000	
100	0-100	15K	0-15,000	
160	0-160	20K	0-20,000	HIGH PRESSURE CONNECTIONS REQUIRED
200	0-200	30K	0-30,000	HIGH PRESSURE CONNECTIONS REQUIRED
		35K	0-35,000	HIGH PRESSURE CONNECTIONS REQUIRED



**Model Shown: 41S-6K-G**  
 To order other models by part number, see below.

**HIGH PRESSURE CONNECTIONS AVAILABLE**

20K =1/4" MPF(Female)	1/4" MPM(Male)	9/16" MPM(Male)
30K =1/4" HPF(Female)	1/4" HPM(Male)	9/16" HPM(Male)
35K =1/4" HPF(Female)	1/4" HPM(Male)	9/16" HPM(Male)

**SPECIAL ADDER CODES**

psi/Bar scale	= -B
psi/kPa scale	= -K
Monel wetted parts	= -M

**Note:** On Model 20S Max Pressure = 20K, High Pressure Connection Required = 1/4MPM(Male)

**HOW TO ORDER BY PART NUMBER**

- 1 **Model Number (code)** (VibraGauge® option: add "V" to model)
- 2 Choose **Pressure Range (code)**.
- 3 Choose **Mounting Type (code)**.
- 4 Special Adder Codes: **G= Safety Zone Reflective Glow Gauge Option**
- 5 Liquid filling, if desired: GF=Glycerin, SF=Silicone, FF=Fluorolube or VibraGauge® dampened movement (no need for liquid filling)

**FOR EXAMPLE: 41S-6K-G**

- 4 inch Fillable, All Stainless, 1/2 inch NPT
- 0-6,000 psi
- Standard Bottom Mount
- Safety Zone Reflective Glow Gauge Option

1-Model	2-Range Code	3-Mounting Type	4-Special Adder Codes	5-Filling
41S	6K		G (Glow Gauge)	None

We manufacture a wide range of instruments to customer's special requirements  
 We shall be pleased to discuss and advise on your specifications.

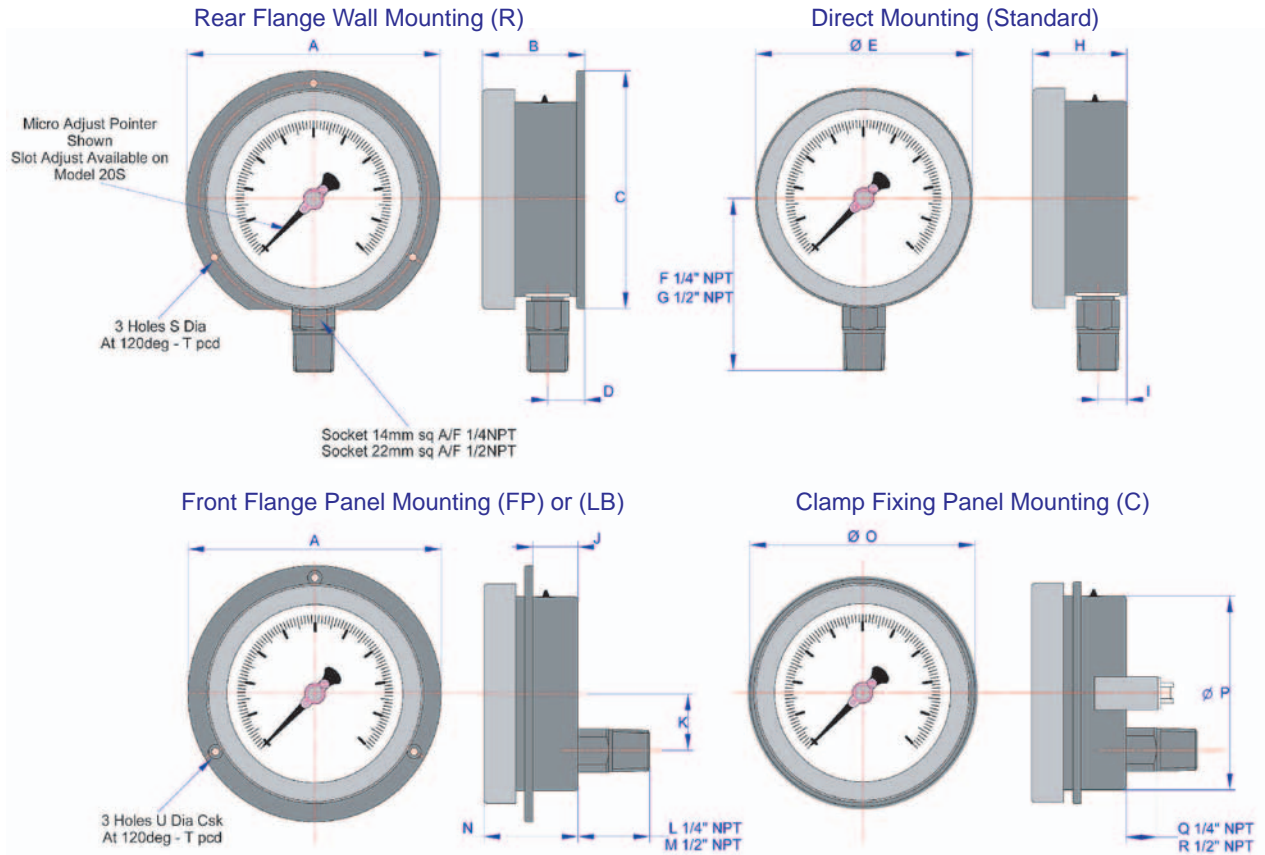
Specifications and dimensions given in this leaflet represent the state of engineering at the time of printing.  
 Engineering modifications may take place without prior notice.

# Safety Zone Reflective Glow Gauge (316 SS)

2.5" Model -20S (1/4" NPT)

4" Models-40S (1/4" NPT) & 41S (1/2" NPT)

6" Models-60S (1/4" NPT) & 61S (1/2" NPT)



	A Dims	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	Cut Out
(20S) 63mm 2.5in	85 3.35	39 1.54	78.5 3.09	11.5 0.45	68.5 2.70	58 2.28	-	31 1.22	9.5 0.37	21.5 0.85	18 0.71	29 1.14	-	37 1.46	67 2.64	62 2.44	13 0.51	-	3.8 0.15	75 2.95	3.5 0.14	66 2.60
(40S/41S) 100mm 4in	132 5.2	51 1.99	121 4.76	17.5 0.69	112 4.41	83 3.27	88 3.46	48.5 1.91	15 0.59	24.5 0.96	32 1.26	34 1.34	39 1.54	48.5 1.91	110 4.33	99 3.90	18 0.71	18 0.71	6 0.24	118 4.65	6 0.24	106 4.17
(60S/61S) 160mm 6in	196 7.72	51 1.99	184 7.84	17.5 0.69	162 6.38	109 4.29	114 4.49	48.5 1.91	15 0.59	24.5 0.96	32 1.26	34 1.34	39 1.54	48.5 1.91	172 6.77	148 5.83	18 0.71	18 0.71	5.8 0.23	178 7.01	5.8 0.23	153 6.02

## SOLID FRONT GAUGE (S)

(20S) 63mm 2.5in	85 3.35	43 1.70	78.5 3.09	20.5 0.81	63.5 2.50	58 2.28	-	42 1.65	19.5 0.77	21 0.83	18 0.71	28 1.10	-	42 1.65	-	62 2.44	12 0.47	-	3.8 0.15	75 2.95	3.5 0.14	66 2.60
(40S/41S) 100mm 4in	132 5.20	65 2.56	121 4.76	30 1.18	112 4.41	83 3.27	88 3.46	65 2.56	29 1.14	41 1.61	34 1.34	37 1.46	42 1.65	67 2.64	-	99 3.90	21 0.83	21 0.83	6 0.24	118 4.65	6 0.24	106 4.17
(60S/61S) 160mm 6in	196 7.72	66 2.60	184 7.24	30 1.18	162 6.38	109 4.29	114 4.49	65 2.56	29 1.14	41 1.61	34 1.34	37 1.46	42 1.65	92 3.62	-	148 5.83	21 0.83	21 0.83	5.8 0.23	178 7.01	5.8 0.23	155 6.10

Gas and Steam in excess of 25 Bar pressure can represent danger if there is a rupture in the Bourdon Tube measuring this gas. To minimize the danger, gauges in this application should be Solid Front type, having solid front between Bourdon tube and dial, safety window and blow-out back to allow any blast to release to the rear of gauge.

Although there is not necessarily any great risk in the use of gauges for gases at pressure less than 25 Bar, a blow-out valve should be incorporated and the purchaser should have regard to the nature of the gas and the installation conditions and, if necessary, order a gauge of the **Solid Front type**.

Surface mounted gauges should be fitted with distance pieces of not less than 3/4" (20mm) long to allow them to be mounted away from wall or panel.

Before use please consult our recommendation regarding selection and installation or consult ASME B40.100

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