

LG20 GLASS LIQUID LEVEL GAUGES



The LG20 Glass Liquid Level Gauge is a rugged flat glass gauge for mid-range pressure and temperature applications. Standard construction includes a solid one-piece chamber machined from carbon steel with covers, toughened glass and bolts. All metal parts are rustproofed. Recessed gasket seat prevents movement and insures leak-free service.

Features:

- **Quality Materials:** Tempered glass conforms to BS3463, DIN 7081. All parts are ASTM grade and listed in ANSI 31.3.
- **No-Leak Design:** Recessed gasket seat in chamber and cover prevents leaks often caused by shifting gaskets.
- **Liquid-Gas or Liquid-Liquid Interface Applications:** Available in either reflex or transparent styles to satisfy all application requirements.
- **NACE Compatible:** Wetted parts conform to NACE MR0175 specifications for sour gas service.



LG20-R
(REFLEX STYLE)



LG20-T
(TRANSPARENT STYLE)

SPECIFICATIONS

Connections:

- 1/2" FNPT top and bottom connections

Pressure/Temperature Ratings:

- See Table 1

Gauge Length/Weight (See Table 2):

- Gauge sections are available in 3-9 standard glass sizes. For longer size requirements, multiple units can be constructed with multiple vision slots in a continuous chamber.

MATERIALS

Liquid Chamber:

- Carbon Steel

Cover:

- Carbon Steel

Bolts and Nuts:

- B7 Bolts and H2 nuts

TABLE 1 – PRESSURE/TEMPERATURE RATINGS

Temp	Maximum Pressure (psi)													
	Reflex Gauge							Transparent Gauge						
	Glass Size							Glass Size						
	3	4	5	6	7	8	9	3	4	5	6	7	8	9
100°F	2726	2610	2494	2349	2219	2103	2001	1755	1595	1508	1349	1247	1102	1001
200°F	2596	2465	2349	2219	2088	2001	1900	1668	1552	1436	1305	1175	1059	957
300°F	2436	2320	2204	2088	1972	1871	1755	1552	1450	1334	1218	1102	1001	899
400°F	2248	2132	2030	1929	1813	1711	1610	1465	1349	1247	1146	1044	928	856
500°F	2059	1958	1813	1755	1653	1552	1450	1349	1247	1160	1044	957	856	754
600°F	1856	1755	1668	1552	1479	1378	1305	1175	1102	1015	928	856	754	682



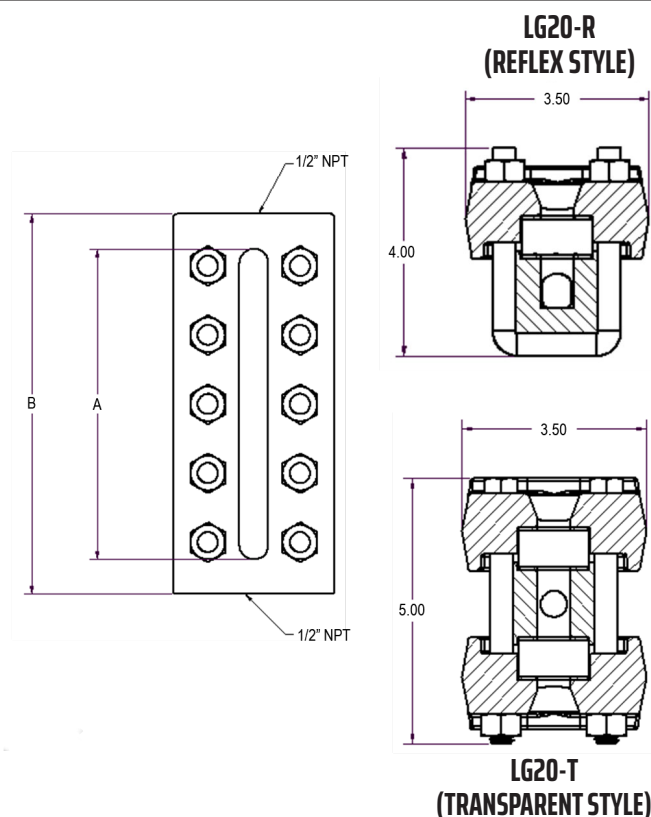
TABLE 2 - GAUGE LENGTHS/WEIGHTS

Glass Size	(A) Visible Length	(B) Overall Length	Assembly Center-to-Center*	Weight	
			LG20 + Set of GV20s	Reflex	Transparent
3	5 3/4"	7 1/4"	10 3/4"	11 lbs	17 lbs
4	6 3/4"	8 1/4"	11 3/4"	12 lbs	19 lbs
5	7 7/8"	9 3/8"	12 7/8"	14 lbs	21 lbs
6	9 1/8"	10 5/8"	14 1/8"	16 lbs	24 lbs
7	10 1/4"	11 3/4"	15 1/4"	18 lbs	27 lbs
8	11 7/8"	13 3/8"	16 7/8"	20 lbs	30 lbs
9	12 5/8"	14 1/8"	17 5/8"	21 lbs	32 lbs
24	15"	16 1/2"	20"	24 lbs	38 lbs
X**	19 7/8"	21 3/8"	24 7/8"	32 lbs	49 lbs

*Dimension when using 3/4" pipe nipple connections to GV20s.

**X Level Gauge denotes size 3 and size 9 combined into one level gauge.

SPECIFICATIONS



HOW TO ORDER

EXAMPLE MODEL NO. **LG20-R3**

LG20 Medium Pressure Glass Liquid Level Gauge, 1/2" FNPT Connections, Reflex Style, Size 3 Glass, 5 3/4" Visible Length, 7 1/4" Overall Length.

LG20 - R 3
SERIES

STYLE

R - Reflex

T - Transparent

GLASS SIZE - OVERALL LENGTH

3 - 7 1/4"

6 - 10 5/8"

9 - 14 1/8"

4 - 8 1/4"

7 - 11 3/4"

24 - 16 1/2"

5 - 9 3/8"

8 - 13 3/8"

X - 21 3/8"

*Contact Factory for Additional Information about Overall Length and Center to Center dimensions.

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08/2026

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