

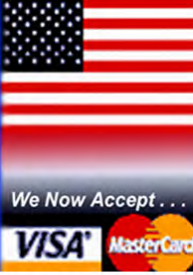


Made With Pride In The U.S.A.

**Lumenite Control Technology, Inc.**

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## 3A Sanitary Pressure Gauges ANSI Grade 'A' Accuracy Conform To All 3A Sanitary Standards

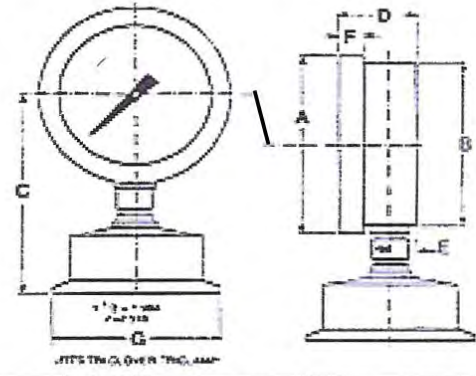


- Conforms to all 3A sanitary standards with ANSI grade "A" accuracy
- Stainless Steel welded tube and socket
- Electropolished 316L stainless steel diaphragm
- Available in every type sanitary connection fitting
- 100% helium leak tested
- All stainless steel internal mechanism
- Ambient temperature range = up to 300°F standard
- 100% hand calibrated and certified to exceed the current ASME B40.1 pressure gauge publication
- 90mm standard case, larger sizes available on special order
- Calibrated accuracy = 1.5% f.s. for ranges 100 p.s.i. or more
- All gauges designed for CIP clean in place. Dry gauges suitable for autoclave sterilization
- All gauges designed to withstand 50% over-pressure error with minimal loss of accuracy
- 100% filled with Dow chemical, high purity, pharmaceutical grade OPTIM glycerin, optional

### Standard Pressure Ranges

#### Pressure

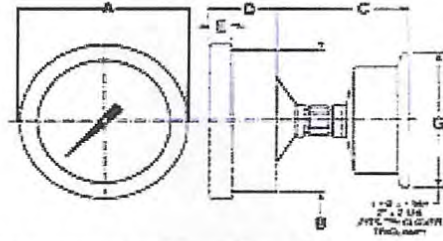
psi	Figure int.	Minor grad.
0/15	1	0.2
0/30	5	0.5
0/60	5	1
0/100	10	1
0/160	20	2
0/200	20	2
0/300	30	5
0/400	50	5
0/600	50	10
0/800	100	10
0/1000*	100	10



A	B	C	D	E	F	G	
						1 1/2	2
3 31/32 (101)	3 19/32 (91)	3 9/16 (90)	1 7/32 (31)	13/32 (10)	15/32 (12)	2 (51)	2.5 (64)

#### Compound

	Figure int.		Minor grad.	
	In. Hg	psi	In. Hg	psi
	30" Hg/15 psi	5	3	1
30" Hg/30 psi	10	5	1	1
30" Hg/60 psi	10	10	2	1
30" Hg/100	10	10	2	1



A	B	C	D	E	G	
					1 1/2	2
3 31/32 (101)	3 19/32 (91)	2 (51)	1 3/16 (30)	15/32 (12)	2 (51)	2.5 (64)

### Metric Pressure Ranges

#### Pressure

Kg/cm <sup>2</sup> (kilograms per Sq. centimeter)	bar	Figure interval	Minor graduation	kPa (kilopascal)	Figure interval	Minor graduation	Psi Outer scal of Dual range*
0/1	0/1	0.1	0.01	0/100	10	1	0/14
0/1.6	0/1.6	0.2	0.02	0/160	20	2	0/22
0/2.5	0/2.5	0.5	0.05	0/250	50	5	0/35
0/4	0/4	0.5	0.05	0/400	50	5	0/55
0/6	0/6	0.5	0.1	0/600	50	10	0/85
0/10	0/10	1	0.1	0/1000	100	10	0/140
0/16	0/16	2	0.2	0/1600	200	20	0/220
0/25	0/25	5	0.5	0/2500	500	50	0/350
0/40	0/40	5	0.5	0/4000	500	50	0/550
0/60	0/60	5	1	0/6000	500	100	0/850

#### Vacuum

-1/0	-1/0	0.1	0.01	-100/0	10	1	30" Hg
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#### Compound

-1/0/1.5	-1/0/1.5	0.05	0.05	-100/0/150	50	5	30" Hg/0/20
-1/0/3	-1/0/3	0.05	0.05	-100/0/300	50	5	30" Hg/0/40
-1/0/5	-1/0/5	0.5	0.1	-100/0/500	50	10	30" Hg/0/70
-1/0/9	-1/0/9	1	0.1	-100/0/900	100	10	30" Hg/0/125

## Product Specifications

ACCURACY	1.5% F.S. for pressure ranges 100 psi and above. 2.0% F.S. for vacuum, compound and ranges below 100 psi
CASE AND RING MATERIAL	300 series stainless steel
RING TYPE	bayonet, removable
BOURDON TUBE AND SOCKET MATERIAL	316SS stainless steel 316L stainless steel
DIAPHRAGM MATERIAL AND SURFACE FINISH	12 to 20RA
PROCESS CONNECTION	1-1/2" or 2" Tri-clamp
CONNECTION LOCATION	lower or back
SYSTEM FILL	glycerin
WINDOW MATERIAL	polycarbonate black painted aluminum with external adjust (std.)
POINTER	
DIAL	white with black markings
MOVEMENT	300 series stainless steel
AGENCY APPROVALS	3A compliance <sup>(1)</sup>
CLEAN OR STEAM IN PLACE (CIP OR SIP)	temperature limit of 300°F (149°C)
TEMPERATURE ERROR	±0.16%/10°F change at 70°F
AUTOCLAVE OR STERILIZE	temperature limit of 300°F (149°C)

## Options

LIQUID FILLED CASE <sup>(2)</sup>	
USP FOOD GRADE GLYCERIN	available
FOOD GRADE SILICONE	available
NEOBEE-M20(SYSTEM FILL)	available
SHATTERPROOF GLASS WINDOW	available
POLYCARBONATE WINDOW	standard
POLYSULPHONE WINDOW	available (recommended for autoclave or sterilization)
1-1/2" CHERRY BURRELL GH LINE CONNECTION	available
1-1/2" OR 2" CHERRY BURRELL I LINE CONNECTION	available
CONNECTION AT 3:00	available
CONNECTION AT 9:00	available
SERIAL NUMBER OR SERVICE MARKING ON DIAL	available
TAGGING OF INSTRUMENT WITH SS TAG (WIRED)	available
EXTERNAL ZERO ADJUSTMENT, TAMPERPROOF DESIGN	available
ZERO & SPAN ADJUSTMENTS	standard (includes external zero adjust)

(A)

LUMENITE 3A SANITARY GAUGE
LSPG

(B)

LOWER MOUNT (standard)	CENTER BACK MOUNT
LM	CM

(C)

GLYCERIN FILLED	DRY
F	D



(E)

(D)

SIZE & TYPE OF SANITARY FITTINGS
C1.5 = 1.5" Tri-Clamp
C2 = 2" Tri-Clamp
K1.5 = 1.5" K-Clamp
K2 = 2" K-Clamp
A1.5 = 1.5" 16A bevel seat & 13H nut
A2 = 2" 16A bevel seat & 13H nut
P1.5 = 1.5" PV fitting & nut
P2 = 2" PV fitting & nut

**Note:** alternate fittings are available, allow 4 weeks for delivery

PRESSURE RANGE
15 = 0-15psi
30 = 0-30psi
60 = 0-60psi
100 = 0-100psi
160 = 0-160psi
200 = 0-200psi
300 = 0-300psi
400 = 0-400psi
600 = 0-600psi
800 = 0-800psi
1000 = 0-1000psi

Sample Order :

    A    B    C    D    E    

Model LSPG-LM-F-C2-100psi = Lumenite 90mm sanitary pressure gauge, standard lower mounting, glycerin filled, 2" tri-clamp tank connection, and 0 to 100psi pressure range