Stainless steel liquid filled gauges
Model GFS

Nominal size 63mm, 100 mm,
Accuracy: Class 1.6 (1.6%) for 63 mm, Class 1 (1%) for 100 mm

Features

- Rugged stainless steel construction
- Socket and case welded
- Protection IP65
- Usable to full scale
- Overload protection 130 %
- Dry or liquid filled
- Measuring system stainless steel



Ranges

-1 ... 0 kg/cm^2 up to 0 ... 1600 kg/cm^2
-30 in. Hg ... 0 psi up to 0 ... 23,000 psi

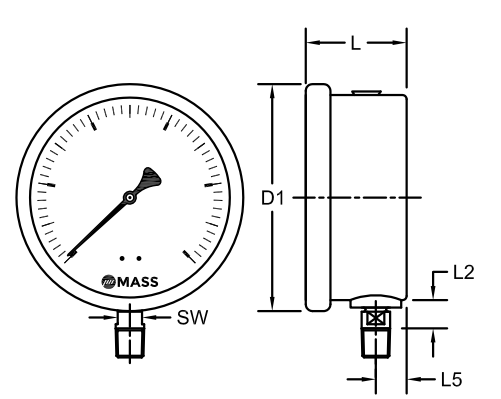
Applications

Power packs
Hydraulic machinery
Pumps
Power plants
Pipelines
Transmission stations

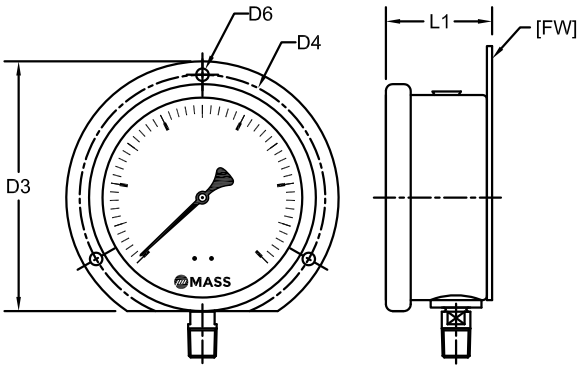
Technical specification	**GFS**	
Dial size in mm	63	100
Construction	Open front cylindrical case with crimp type bezel ring	
Measuring principle Range in kg/cm2 Overpressure limit Pressure type	Bourdon tube 1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1600 -1/0 -1/0.6 -1/1.5 -1/3 -1/5 -1/9 -1/15 -1/24 130 % F.S., short time. Gauge, vacuum and compound	
Process connection	1/8" 1/4" BSP / NPT (M)	1/4" 3/8" 1/2" BSP / NPT (M), M20x1.5(M)
Connection location	Lower, back	
Material Pressure connection Tube Case/bayonet ring Window Dial Pointer Movement	 Stainless steel 304, 316, 316L Stainless steel 316, optional 316L Stainless steel 304 , optional 316L Acrylic glass, optional laminated safety glass Aluminum, black markings on white background Plastic, Black | Aluminum, black Stainless steel 304	
Accuracy	Class 1.6 (1.6% F.S)	Class 1 (1 % F.S.)
Permissible Ambient temperature Medium temperature Storage temperature Effect	 -25 ... 60 °C Max. 100 °C -40 ... 60 °C Max. 0,3 % / 10 K	
Protection according	IP65	
Conformity according to RL 94/9/EC appendix X for mechanical equipment in potential hazardous areas (for 63mm only)	Optional, Marking CE EX II 2 GD c File no. XXXXXXXX at notified body 0044, TUV NORD CERT (only with safety glass)	
Filling liquids	Glycerin, silicone, halocarbon, others on request	
Mounting	Standard stem, optional panel, bracket, surface or others on request	
Weight with liquid filling in kg	0.21	0.75
Accessories, options	Diaphragm seals, valves, dampener, gauge saver, etc	

All specifications are subject to change without notice.

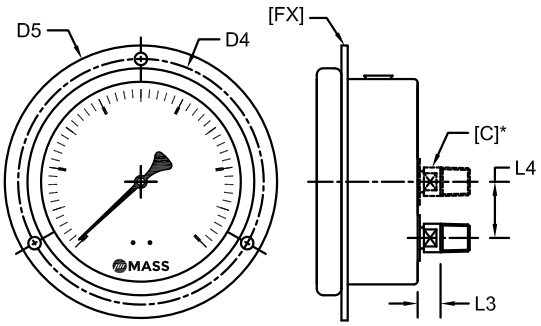
General dimensions in mm



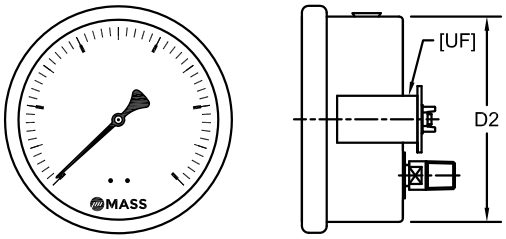
Lower Connection Direct Mounting



Lower Connection Surface Mounting



Back Connection Front Panel Mounting



Back Connection U-Clamp Mounting

DIAL SIZE	63	100
ØD1	67.7	108
Ø D2	61.5	98.5
D3	78	122
D4	75	118
D5	85	132
D6	3.6	6
L	32.5	47.5
L1	37	51
L2	13	16
L3	13	18
L4	-	27
L5	10.8	14.8
SW	11	17

[C]* for 63mm only

Order information

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering units	Filling/case material	Options
(63) 63 mm **(100)** 100 mm	**GFS**	**(A)** Socket 304, Tube 316[1)] **(S)** Socket 316, Tube 316 **(L)** Socket and Tube 316L	**(L)** IP 65	**(04)** 1/2" NPT (M)[1)] **(03)** 3/8" NPT (M)[1)] **(02)** 1/4" NPT (M) **(01)** 1/8" NPT (M) **(15)** 1/2" BSP(M)[1)] **(14)** 3/8"BSP(M)[1)] **(13)** 1/4" BSP(M) **(12)** 1/8" BSP(M) **(16)** M20x1.5(M) [1)]	**(L)** Lower **(B)** Back **(C)** Center back[2)]	**-1/ 0** **-1/ 0.6** **-1/ 1.5** **-1/ 3** **-1/ 5** **-1/ 9** **-1/ 15** **-1/ 24** **0/ 1** **0/ 1.6** **0/ 2.5** **0/ 4** **0/ 6** **0/ 10** **0/ 16** **0/ 25** **0/ 40** **0/ 60** **0/ 100** **0/ 160** **0/ 250** **0/ 400** **0/ 600** **0/ 1000** **0/ 1600**[1)]	**(kg/cm2)** and other equivalent ranges in PSI, Bar, kPa, MPa, etc.	**(=)** No filling **(GV)** Silicone **(GR)** Glycerin **(GX)** Halocarbon **(YW)** Case material 316L (1.4404)	**(NH)** Tagging wired **(DA)** Dial Marking **(CS)** Dual Scale **(OF)** Oil free **(SG)** Safety glass[2)] **(FX)** Front panel **(FW)** Surface plate **(UF)** U-clamp **(ATX)** ATEX listed[3)]

1) Not for 63mm 2) For 63 mm only 3) Safety glass(SG) mandatory for Ex-proof and for 63mm only

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling/case material	Option
63	GFS	S	L	02	L	0/16	KG/CM2	=	NH

Precision Mass Products Pvt. Ltd.
Plot No.: 2306, G.I.D.C. Chhatral, Ta: Kalol, Dist.: Gandhinagar,
Chhatral -382729, Gujarat, India.
Telephone: +91- 2764 233681/82/83 Fax: +91-2764-233440
Email: sales@precisionmass.com www.precisionmass.com

- North Zone : sales.delhi@precisionmass.com
- East zone : sales.kolkata@precisionmass.com
- West zone : sales.mumbai@precisionmass.com
- South zone : sales.chennai@precisionmass.com