

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

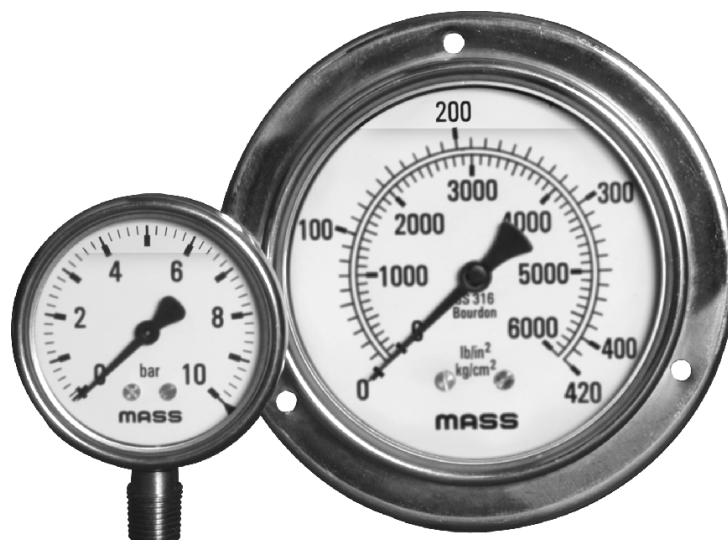
- Rugged stainless steel construction
- Socket and case welded
- Protection IP65
- Usable to full scale
- Overload protection 130 %
- Dry or liquid filled
- Measuring system stainless steel

Ranges

-1 ... 0 kg/cm² up to 0 ... 2500 kg/cm²
-30 in. Hg ... 0 psi up to 0 ... 36,000 psi

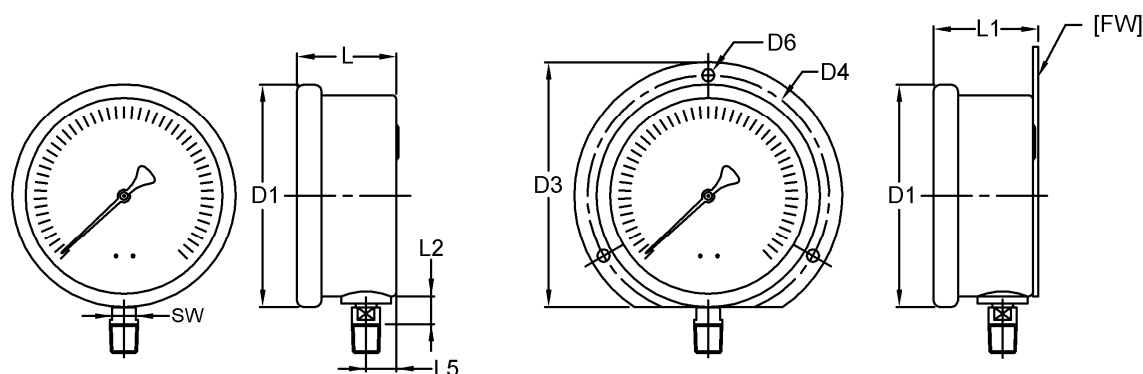
Applications

Power packs
Hydraulic machinery
Pumps
Power plants
Pipelines
Transmission stations



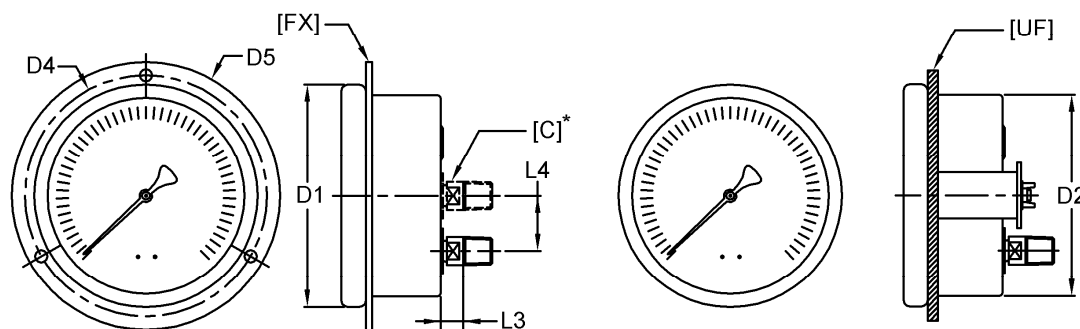
Technical specification	GFS	
Dial size in mm	63	100
Construction	Open front cylindrical case with crimp type bayonet ring	
Measuring principle	Bourdon tube	
Range in kg/cm ²	1 1.6 2.5 4 6 10 16 25 40 60 100 160 250 400 600 1000 1600 2500 -1/0 -1/0.6 -1/1.5 -1/3 -1/5 -1/9 -1/15 -1/24	
Overpressure limit	130 % F.S., short time.	
Pressure type	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: Stainless steel 304, 316, 316L Tube: Stainless steel 316, optional 316L Case/bayonet ring: Stainless steel 304, optional 316L Window: Acrylic glass, optional laminated safety glass Dial: Aluminum, black markings on white background Pointer: Plastic, Black Aluminum, black Movement: Stainless steel 304	
Accuracy	Class 1.6 (1.6% F.S.)	Class 1 (1 % F.S.)
Permissible	Ambient temperature: -25 ... 60 °C Medium temperature: Max. 100 °C Storage temperature: -40 ... 60 °C Effect: Max. 0,3 % / 10 K	
Protection according	IP65	
Filling liquids	Glycerin, silicone, halocarbon, others on request	
Mounting	Standard stem, optional panel, bracket, surface or others on request	
Weight dry/filled in kg		
Accessories, options	Diaphragm seals, valves, dampener, gauge saver, etc	

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
Ø D1	64.8	108
Ø D2	61.5	98.5
D3	78	122
D4	75	118
D5	86	134
D6	3.6	6
L	32.5	46.5
L1	37	51
L2	13	16
L3	13	18
L4	-	27
L5	9	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⁾ 0/ 2500 ¹⁾	(kg/cm ²)	(=) 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

1) Not for 63mm 2) For 63 mm only

How to order

Size	Type	System material	Execution	Process connection	Connection orientation	Range	Engineering unit	Filling/case material	Option
100	GFS	S	L	04	L	0/16	KG/CM2	=	NH