



GF40 Series Liquid Filled Type-Solid front Pressure Gauge

OUTLINE

This is a gauge exclusive use exposed to vibration, It's interior is filled with liquid, preventing vibration of moving parts and wear of interior linkage mechanism, and making maintenance work easier. This is a high safety and excellently durable pressure gauge applied to the petrochemical industry, nuclear and various plants. Because of demonstrating excellent atmospheric resistance, this pressure gauge can be applied to process as well as extensive applications.

FEATURES

- By applying the solid front(front wall type)case, in case of gauge damage, pressure will be released from the safety window of the rear of the gauge.
- By applying a durable pressure elements, excellent durability is demonstrated even in the high range.
- The bayonet construction of the case shuts off air and, additionally, the case is made of stainless-steel. So, this pressure gauge demonstrates excellent atmosphere resistance.
- This gauge has been designed in accordance with the ANSI Standard B40, 1M Gauges-Pressure Indicating Dial Type-Elastic Element.
- In case of selecting pressure gauge, choose the pressure range which can be used in between 30~65% of full scale, so that the gauge give its full capacity.
- Also should be confirmed whether the wetted parts material is suitable for the fluid or not.

SPECIFICATION

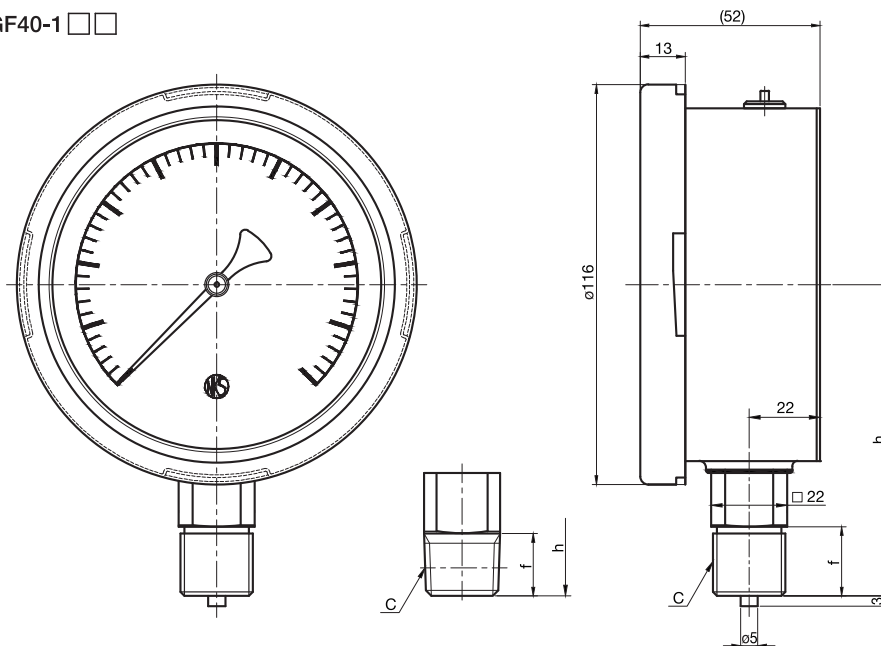
- Model : GF40 Series (Liquid Filled type)
- Fluid : Gas or Liquid
- Size : 100 Dia. (GF40 Series)
- Mounting :
Stem ----- A type
Surface ----- B type
- Connection :
1/4"PF, 3/8"PF, 1/2"PF
1/4"PT, 3/8"PT, 1/2"PT
1/4"NPT, 3/8"NPT, 1/2"NPT
* For other connection, please contact us.
- Wetted parts materials :
Bourdon tube ----- 316SS, Other
Socket (Shank) ----- 316SS, 304SS, Other
- Case and Cover material :
304SS, 316SS (316SS is only request)
- Protection : IP65

- Pressure range :
0 ~ 0.1 → 0 ~ 100 MPa
-0.1 ~ 0 → -0.1 ~ 2 MPa
- Accuracy :
±1.0% F.S. (Pressure & Vacuum)
±1.5% F.S. (Compound)
- Operating temperature :
Ambient : -40 ~ 80°C
Fluid : -20 ~ 80°C
- Window : Safety glass
- Filling liquid : Silicon oil (only GF type)
- Caution of operation :
It is established the air circulation hole in case upper part to prevent indication error by ambient temperature change about pressure gauge/ compound pressure gauge/ vacuum gauge less than less than maximum pressure 1MPa. Do up black plug of relief shape cut.
And installation posture limit it to vertical installation up.
- Weight : 100 Dia. Approx. 0.97kg

Outline dimension & Mounting type (GF40 Series)

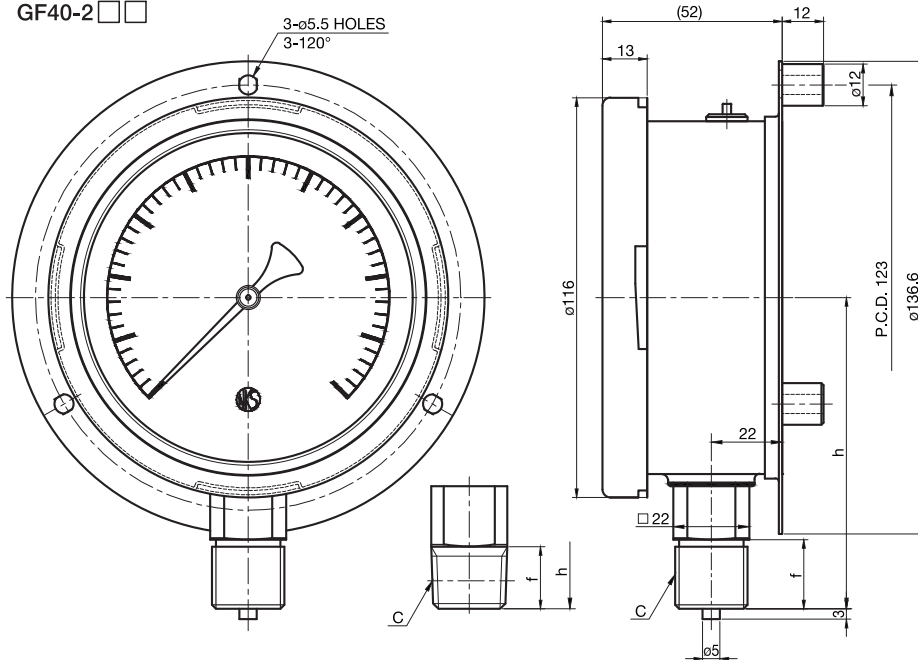
GF40-1 □ □

Model	C	f	h
GF42-133	PF3/8"	18	88
GF42-132	NPS3/8"	18	88
GF42-143	PF1/2"	20	90
GF42-114	NPS1/2"	20	90
GF42-183	PT3/8"	16	86
GF42-136	NPT3/8"	16	86
GF42-193	PT1/2"	18	88
GF42-163	NPT1/2"	18	88



GF40-2 □ □

Model	C	f	h
GF42-233	PF3/8"	18	88
GF42-232	NPS3/8"	18	88
GF42-243	PF1/2"	20	90
GF42-214	NPS1/2"	20	90
GF42-283	PT3/8"	16	86
GF42-236	NPT3/8"	16	86
GF42-293	PT1/2"	18	88
GF42-263	NPT1/2"	18	88



Available pressure range table (GF40 Series)

Division	Scale (MPa)	Min. Graduation	Std. accuracy (±% of F.S.)	Order code
Pressure range	0 ~ 0.1	0.002	1.0	B
	0 ~ 0.2	0.005	1.0	C
	0 ~ 0.3	0.01	1.0	D
	0 ~ 0.4	0.01	1.0	E
	0 ~ 0.5	0.01	1.0	F
	0 ~ 0.6	0.02	1.0	G
	0 ~ 1	0.02	1.0	H
	0 ~ 1.5	0.05	1.0	I
	0 ~ 2	0.05	1.0	J
	0 ~ 2.5	0.05	1.0	K
	0 ~ 3.5	0.1	1.0	L
	0 ~ 5	0.1	1.0	M
	0 ~ 7	0.2	1.0	N
	0 ~ 10	0.2	1.0	O
	0 ~ 15	0.5	1.0	P
	0 ~ 25	0.5	1.0	Q
	0 ~ 35	1	1.0	R
	0 ~ 50	1	1.0	S
	0 ~ 70	2	1.0	T
	0 ~ 100	2	1.0	U
Vacuum range	-0.1 ~ 0	0.002	1.0	V
Compound range	-0.1 ~ 0.1	0.005	1.5	1
	-0.1 ~ 0.2	0.01	1.5	2
	-0.1 ~ 0.3	0.01	1.5	3
	-0.1 ~ 0.4	0.01	1.5	4
	-0.1 ~ 0.5	0.02	1.5	5
	-0.1 ~ 0.6	0.02	1.5	6
	-0.1 ~ 1	0.02	1.5	7
	-0.1 ~ 1.5	0.05	1.5	8
	-0.1 ~ 2	0.05	1.5	9

Model number configuration (GF40 Series)

* For ordering, Please specify the model number and each spec.

GF **4** **0** — (1) (2) (3) — (4) (5) **0** (7) (8) (9) (10) (11) (12) (13) (14) (15)

GF40 : OIL FILLED TYPE

Model		Selective spec.		Option
Dial size	40	ø100 Bottom connection type		
① Type of mounting	1	A type (Stem mounting type)		
	2	B type (Surface wall mounting type)		
② Type of connection	1	NPT3/8		
	2	PF1/4		
	3	PF3/8		
	4	PF1/2		
	5	NPT1/4		
	6	NPT1/2		
	7	PT1/4		
	8	PT3/8		
	9	PT1/2		
	0	Other		
③ Socket material	2	304SS		
	3	316SS		
	0	Other		
④ Range	A ~ 9	Refer to range table		
⑤ Accuracy	0	±1.5% of F.S. (Compound range)		
	1	±1.0% of F.S. (Pressure & Vacuum range)		
⑥ Pointer	0	Standard		
⑦ Glass	0	Standard		
	1	Nil		
	2	Other		
⑧ Treatment	1	Use no oil & Water		
	2	Nil		
	0	Other		
⑮ Document	0	Nil		
	1	Required		