



## GF42 Series Dry Type-Solid front Pressure Gauge

### OUTLINE

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 30~60% 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.

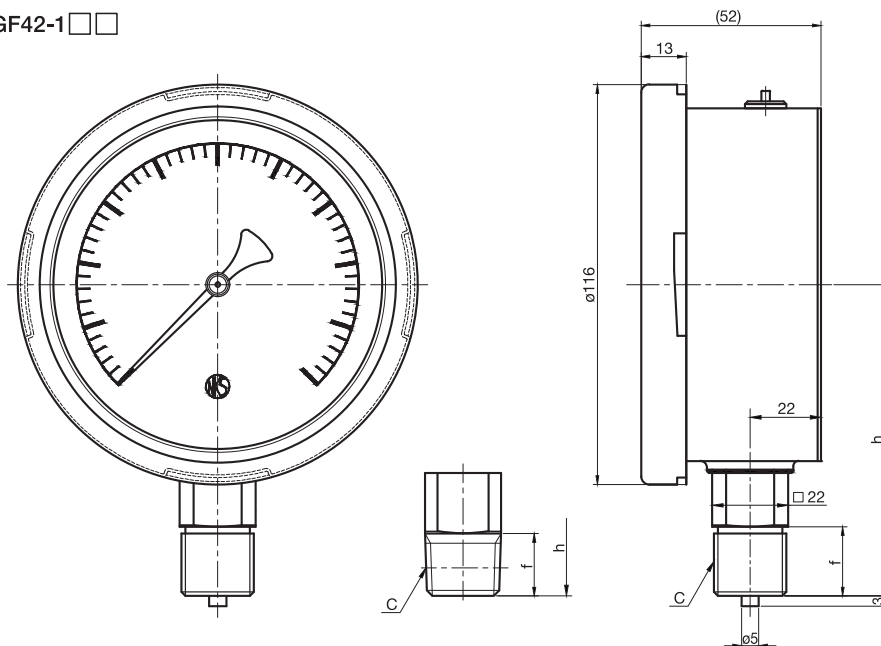
### SPECIFICATION

- **Model :** GF42 Series (Dry type)
- **Fluid :**  
Gas or Liquid
- **Size :**  
100 Dia. (GF42 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 :** IP43, IP65 (Option)
- **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
- **Blowout disk :**  
When an emergency, Bourdon tube exploded, it open up internal-pressure from blowout disk, and blowout disk prevents puncture of window.  
Note : To keep normal function, please take a space behind of gauge at least 10mm when installing.  
Don't process or stop up the blowout disk.
- **Dial scale specified :** (Option)  
Capacity scale, Dual scale, Printed words, Colored circle.
- **Weight :** 100 Dia. Approx. 0.75kg

## Outline dimension & Mounting type (GF42 Series)

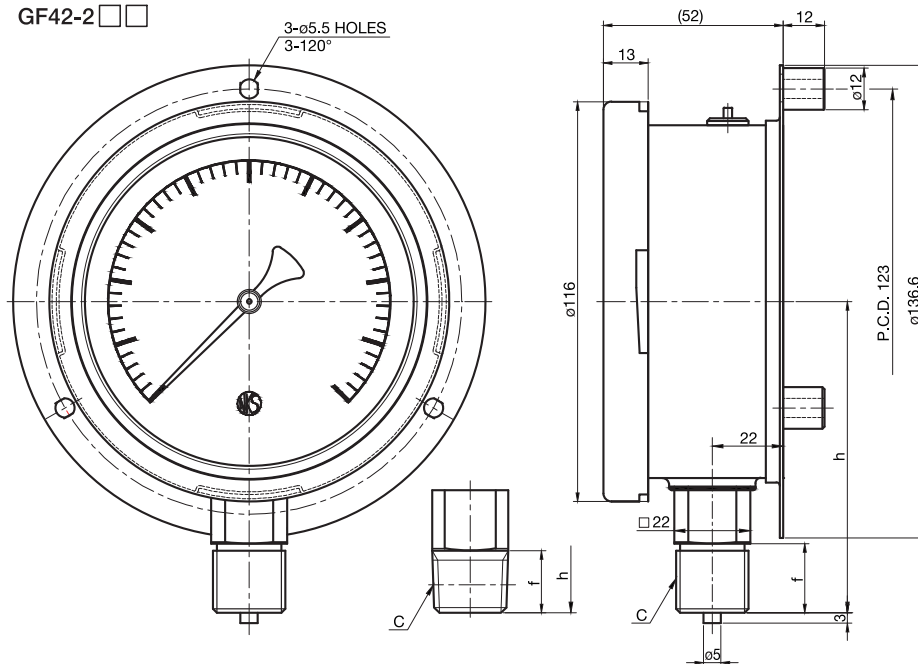
GF42-1 □ □

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



GF42-2 □ □

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

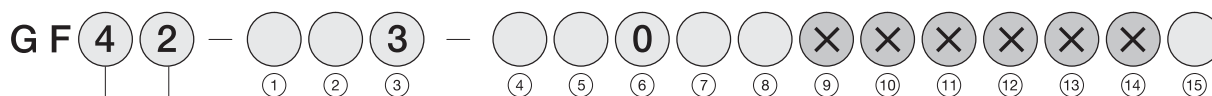


## Available pressure range table (GF42 Series)

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 (GF42 Series)

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



GF42 : DRY TYPE

Model		Selective spec.			Option	
Dial size		42	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 1 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			