

# C1033 Sanitary Pressure Gauge

- High-performance pressure gauge, easy to clean, no leakage
- Fully welded structure to avoid internal dead corners to the greatest extent



**Pharmaceutical & Biotech**



**Food & Beverage**

## C1033 Sanitary Pressure Gauge

### PERFORMANCE SPECIFICATIONS

Range:	Please refer to Range and Accuracy Table
Accuracy:	Please refer to Range and Accuracy Table
Dial Size:	63mm, 100mm
Case Material:	304SS
Window Material:	Polycarbonate, safety glass (optional)
Movement:	300SS
Pointer:	Black, aluminium
Dial:	Black figures on white background
Process Connection Location:	Lower, Lower Back
Process Connection:	Tri-Clamp®, DIN 32676, BS 4825, ISO 2852
Wetted Material:	316L, Hastelloy® C276(Optional)
Medium Temperature:	Max:138°C, For higher temperature, a cooling tower is required or please consult the factory.
Weather Protection:	IP65
Case Fill:	Food grade glycerin, food grade silicone oil
Diaphragm System Oil Fill:	Food-grade silicone oil, distilled water
Surface Roughness:	Diaphragm $Ra \leq 0.38\mu$ ; Laser welding seam $Ra \leq 0.76\mu$ ; Machined surface $Ra \leq 0.76\mu$

## C1033 Sanitary Pressure Gauge

### Range and Accuracy

Accuracy (100mm)		Diaphragm Specification (Diaphragm Size)		
Range(MPa)	1"(Mb24)	DN25 (Mb28)	1.5"/DN32 (Mb34)	2"/DN40 (Mb48)
0.4	2.5%	2.5%	1.5%	1.5%
0.6	1.5%	1.5%	1.5%	1.5%
1.0	1.5%	1.5%	1.5%	1.5%
1.6	1.5%	1.5%	1.5%	1.5%
2.5	1.5%	1.5%	1.5%	1.5%
-0.1 ~ 0.3	2.5%	2.5%	1.5%	1.5%
-0.1 ~ 0.5	1.5%	1.5%	1.5%	1.5%
-0.1 ~ 0.9	1.5%	1.5%	1.5%	1.5%

Note: For 1.0 accuracy, please consult factory

Accuracy (63mm)		Diaphragm Specification (Diaphragm Size)		
Range(MPa)	1"(Mb24)	DN25 (Mb28)	1.5"/DN32 (Mb34)	2"/DN40 (Mb48)
0.4	2.5%	2.5%	2.5%	1.5%
0.6	2.5%	2.5%	2.5%	1.5%
1.0	2.5%	2.5%	1.5%	1.5%
1.6	2.5%	2.5%	1.5%	1.5%
2.5	2.5%	2.5%	1.5%	1.5%
-0.1 ~ 0.3	2.5%	2.5%	2.5%	1.5%
-0.1 ~ 0.5	2.5%	2.5%	2.5%	1.5%
-0.1 ~ 0.9	2.5%	2.5%	1.5%	1.5%

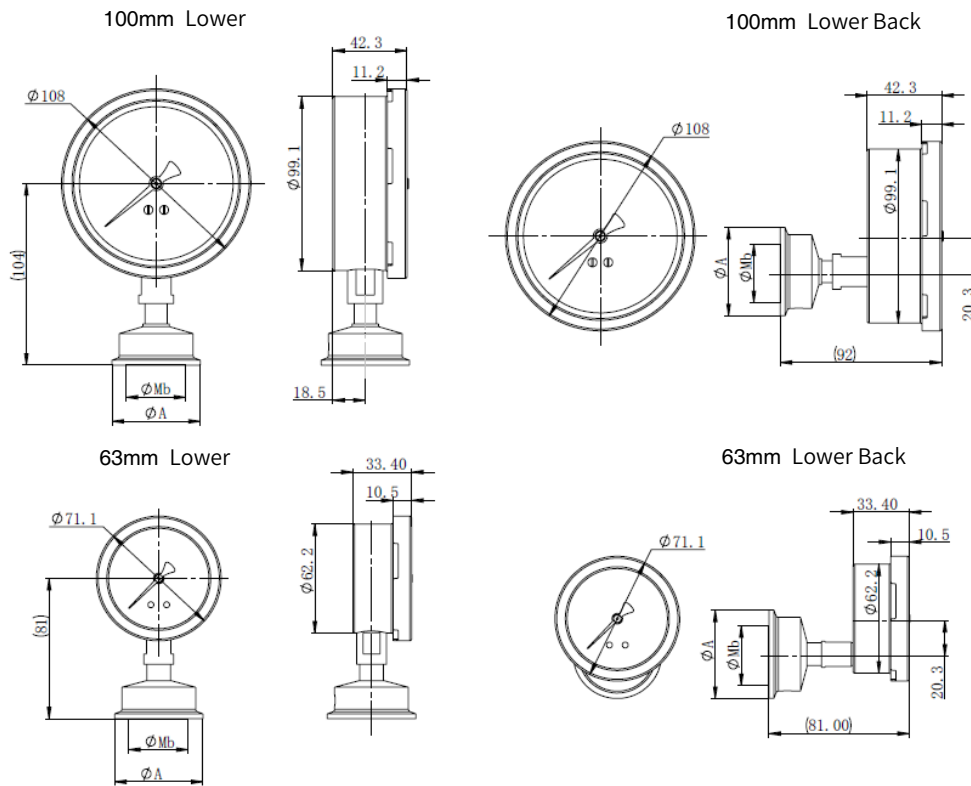
## Data Sheet

### C1033 Sanitary Pressure Gauge

ORDERING CODE	EXAMPLE:	63	C1033	TR	S	D	15	L	X6B	0-0.4MP
<b>Dial size:</b>										
63	63 mm	63								
10	100 mm									
<b>Connection Type:</b>										
C1033	Tri-Clamp Sanitary Pressure Gauge		C1033							
<b>Connection Type:</b>										
TR	Tri-clamp® DIN 32676, BS 4825, ISO2852			TR						
<b>Diaphragm and Wetted Parts Material:</b>										
S	Body Stainless steel 316L (1.4404) and diaphragm 316L (1.4435)				S					
H	Hastelloy® C-276 (2.4819)									
<b>Case Filling:</b>										
D	Dry gauge					D				
L	Gauge filled (Glycerine filled)									
<b>Connection Size:</b>										
10	1"						15			
15	1.5"									
20	2"									
DN25	DN25									
DN32	DN32									
DN40	DN40									
DN50	DN50									
<b>Connection Location:</b>										
L	Lower							L		
C	Lower Back									
<b>Options (If choosing an option(s) must include a "X")</b>										
ZF	Food grade silicone system fill									
DI	Deionized Water (4~85°C)									
MY	White Mineral Oil (-10~205°C)									
6B	Cleaned for gaseous oxygen service								X6B	
6W	Product clean and degrease, not for strong oxidation application									
EC	Electro polished wetted parts, Ra <0,38 µm (15 µin).									
NH	Stainless steel tag, wired									
NH1	Stainless steel tag, extra large and wired									
C3	Certificate according to EN 10204/3.1									
C4	CD-4 calibration certificate									
MQ	Positive Material Identification (PMI)									
SG	Safety Glass									
HT	Cooling tower									
H****	Capillary with SS armor									
AN	Accuracy 1%									
<b>Range:</b>										
N0.1/0.3MP	-0.1/+0.3 MPa									
N0.1/0.5MP	-0.1/+0.5 MPa									
N0.1/0.9MP	-0.1/+0.9 MPa									
0-0.4MP	0.4 MPa									0-0.4MP
0-0.6MP	0.6 MPa									
0-1.0MP	1 MPa									

## C1033 Sanitary Pressure Gauge

mm

**Tri-Clamp® — Dimensions are millimeters**


Process Connection: As per DIN32676

Pipeline standard: DIN11866 row C, ASME BPE or BS4825 part 3 and O.D. tube

Size	A	Mb	Outside diameter x wall thickness	PN
1"	50.5	22	25.4 x 1.65	40
1.5"	50.5	32	38.1 x 1.65	40
2"	64	44	50.8 x 1.65	40

Process Connection: As per DIN32676

Pipeline standard: DIN11866 row C or ISO1127 row 1

Size	A	Mb	Outside diameter x wall thickness	PN
DN 25	50.5	25	29.5 x 1.5	40
DN 32	50.5	29	35 x 1.5	40
DN 40	50.5	32	41 x 1.5	40
DN 50	64	40	53 x 1.5	40