ALL STAINLESS STEEL PRESSURE GAUGES111 series



APPLICATIONS

Used with all liquid and gas process media, provided that these do not corrode stainless steel, do not crystallize and are not highly viscous. The glycerin / silicon oil filled type is especially used for measuring points subject to vibration and highly dynamic pressure load. Particularly used in chemical, petrochemical, food industry, biochemistry and any rush industries.



SPECIFICATIONS

Dial diameter	1½" (40mm); 2" (50mm); 2½" (63mm); 3" (75mm); 4" (100mm); 6" (150mm)		
Case	Stainless steel 304, IP65 Crimp bezel for dial $\emptyset 1\frac{1}{2}$ " ~ $\emptyset 4$ "; Bayonet bezel for dial $\emptyset 4$ " and $\emptyset 6$ "		
Lens	Acrylic or glass for dial Ø1½" ~ Ø4" ; Safety glass for dial Ø4" and Ø6"		
Dial	Aluminum, black and red/blue markings on white background, dial arc 270°		
Measuring principle	Bourdon Tube, stainless steel 316		
Movement	Stainless steel		
Pointer	Aluminum, black, adjustable pointer available for dial Ø4" and Ø6"		
Connection	Male thread 1/8", 1/4", 3/8", 1/2" PT(BSPT) / NPT / PF(BSP), stainless steel 316		
Filling	Without (dry); glycerin filled; silicon oil filled		
Accuracy	±2.5%F.S. for Ø1½" & Ø2" ; ±1.6%F.S. for Ø2½" & Ø3" ; ±1.0%F.S. for Ø4" & Ø6"		
Temperature limits	Dry: medium $+200^{\circ}$ C; ambient -20 to $+60^{\circ}$ C Glycerin filled: medium $+60^{\circ}$ C; ambient $+10$ to $+60^{\circ}$ C Silicon oil filled: medium $+100^{\circ}$ C; ambient -45 to $+60^{\circ}$ C $<$ Silicon oil filled type can be for medium $+200^{\circ}$ C only if the case and connection are welded together (argon-arc welding), available for \emptyset 4" & \emptyset 6".>		
Ranges	positive 0/1 ~ 0/1000 kg/cm ² negative 0/-76 cmHg (relative vacuum) compound -76cmHg / 0 / 1 ~ -76cmHg / 0 / 35 kg/cm ² <oher available,="" bar,="" e.g.="" mpaetc.="" psi,="" units=""></oher>		

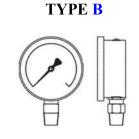
OPTIONS

- ➤ Bayonet bezel for dial Ø2-1/2".
- ➤ Blow-out disk by back for dial Ø4"; Ø6".
- > Special connections.
- > Cleanness for oxygen, acetylene, hydrogen...etc. dangerous media service.
- > Restrictor on connection to alleviate pressure pulsation.
- Maximum pressure pointer on lens.

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MOUNTING TYPES



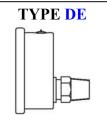
Dial Ø1½", 2", 2½", 3", 4", 6" Direct mounting Bottom connection without flange

TYPE W

Dial Ø2½", 3", 4", 6" Surface mounting Bottom connection

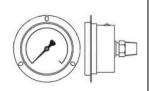


3", 4"
Direct mounting
Centric back
connection
without flange



Dial Ø4", 6"
Direct mounting
Eccentric back
connection
without flange



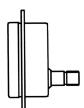


Dial Ø2½", 3", 4", 6" Flush panel mounting Centric back connection with front flange

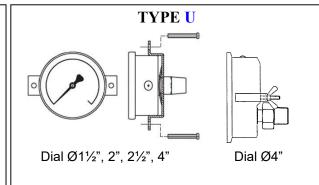
TYPE PE

with back flange

(Wall mounting)



Dial Ø4", 6" Flush panel mounting Eccentric back connection with front flange



Flush panel mounting
Centric back connection with U-clamp

STANDARD CONNECTION

Dial diameter	Thread size	Dial diameter	Thread size	
Ø 1½"	1/8"	Ø 3"	3/8"	
Ø 2"	1/4"	Ø 4"	1/2"	
Ø 2½"	1/4"	Ø 6"	1/2"	
Thread specification	PT (=BSPT); NPT; PF (=BSP); others			
Custom-made connection available upon request				

HOW TO ORDER

(Please specify additionally the special custom-made specifications or option items)

