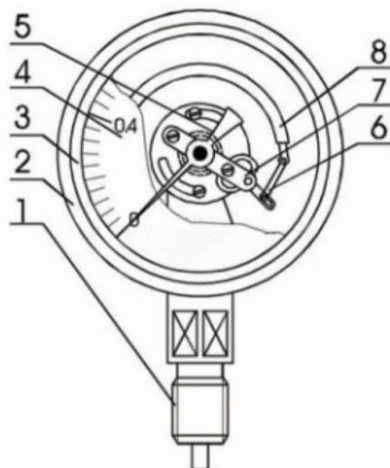


WYN-X Vibration-proof (Liquid Filled) Pressure Gauge



WYN-X Vibration-proof (Liquid Filled) Pressure Gauge is a premium design pressure gauge with liquid fillable and various option used in extreme corrosive, severe environment and especially for extreme vibration application. It is applicable for pneumatic and hydraulic systems, compressors, engines, pumps, sprinkles system, building automation system and processing unit where vibration is concern. By using bayonet to connect cover and case, it has reliable seal performance. It is widely used on pneumatic control system, control panel, pressure regulator, valve positioner, analyzer, pneumatic actuator etc. Industries coverage are as Oil & Gas, power plants, steel mining, process, pulp and paper water & sewage and petrochemical plants.

The gauge is made up of pressure-conducting system (including header, spring, and flux-limiting bolt), gear turning parts, display parts (needle and dial) and sheath (sheath, cover, glass etc.). The structure of sheath is sealed style, this can protect the inner parts from circumstance affection and dirt.



1. Connection header
2. Sheath
3. Lined band
4. Dial
5. Needle
6. Connection rod
7. Turnable Implement (core)
8. Spring tube

Technical Specifications:

Nominal Dial Size (mm): 1.5"(40mm), 2"(50mm), 2.5"(63mm), 4"(100mm), 6"(150mm), 8"(200mm), 10"(250mm)

Mount: Bottom, Back center or Back bottom, Back edge,

Accuracy Class: Class 2.5, Class 1.6 or 1.0 ($\geq 100\text{mm}$)

Ingress Protection: IP65

Connection Size: G1/8, G1/4, G1/2 or NPT or others

Filling: Liquid filled

Tube Element Shape: $P \leq 100$ bar in C tube, $P > 100$ bar in helicoid

Operating Temperature: Ambient temperature: $-10^{\circ}\sim+70^{\circ}\text{C}$

Medium temperature: 90°C Max

Temperature Error: Additional error when pressure element temperature deviates from reference temperature $+20^{\circ}\text{C}$ ($+68^{\circ}\text{F}$), be $\pm 0.4\%$ / 10°C (50°F) rising or falling

Over Pressure Limit: 130% of F.S.P ≤ 100 bar, 115% of F.S.P > 100 bar

Dial Graduation: Black graduation on white for single range, Black and red graduation on white for dual ranges

Design Material:

Casing and Bezel Ring: Stainless Steel 304 or 316, Chromed steel

Sensing Element: Stainless Steel 304 or 316, Copper alloy

Connection: Stainless Steel 304 or 316, Copper alloy

Window: Plastic

Window gasket: Industrial rubber seal

Pointer: Black painted aluminum

Dial Plate: Aluminum alloy

Model Selection:

WYN	Vibration-proof Pressure Gauge	
-	Dial diameter	E.g. -100 (100mm), or -4". etc.
-	(Pressure range)	e.g. (0-10bar) or (0-1MPa) etc.
-	Type	None: bottom installation connection Z: back center installation connection ZD: back bottom installation connection T: edge flange installation connection

-	Material	-SS: SS case and SS wet parts -SB: SS case and brass wet parts -CB: steel case and brass wet parts -GB: chromed case and brass wet parts -O: specified For SS (stainless steel) , please specified 304SS or 316SS.
-A	Installment type	1: thread 2: flange 3: clamp 4: customer specified
-	Size of installment	e.g. for A1, -1/2BSP or -M20*1.5 etc.; For A3, -2" or 3" etc.
-	Sub-model	As shown in the below pictures

Applications

Used for hydraulic and pneumatic systems

Compressors, compressed air system

Suitable for fluid medium which does not clog connection port or copper alloy

Used for providing protection from vibration and pulsation.

Case: stainless steel

Ring: stainless steel

Window: safety glass (tempered glass, polycarbonate)

Socket & Connection: brass

Movement: brass

Bourdon tube: brass

Pointer and dial: aluminum, adjustable pointer

Liquid: glycerin, silicone

Rang: vacuum, compound 0 to 6000 psi

Accuracy: $\pm 1.6\%$ for 63mm, $\pm 1.0\%$ for 100mm and 150mm

Operating temperature

Ambient: -4°F to 140°F (-20°C TO +60°C)

Media: 140°F (+60°C)



117AL



Available model for the size			
Model	2.5" (63mm)	4" (100mm)	6" (150mm)
117AL	•	•	•
117AB	•	•	•
117AV	•	•	•
117AR	•	•	•
117BL	•	•	•
117BB	•	•	•
117BV	•	•	•
117BR	•	•	•

Applications

Used for hydraulic and pneumatic systems

Compressors, compressed air system

Suitable for fluid medium which does not clog connection port or brass

Used for providing protection from vibration and pulsation.

Case: stainless steel

Ring: stainless steel

Window: polycarbonate(glass).

Socket & Connection: brass

Movement: semi-brass(complete brass)

Bourdon tube: copper alloy(brass)

Pointer and dial: aluminum

Liquid: glycerin, silicone

Rang: vacuum, compound 0 to 6000 psi

Accuracy Class: $F \pm 3/2/3\%$ (ASME B40. 100 Grade B)

KI 2.5 FOR 1 1/2", 2", KI 1.6 FOR 2 1/2", 3", 4"

Operating temperature

Ambient: -4°F to 140°F (-20°C TO +60°C)

Media: 140°F (+60°C)



115AL



R1 High pressure radiator



R2 Capillary radiator



R3 High-Temperature tube



Overpressure protector



One Valve



One Valves With A Bleeding Screw



Two Valves



Syphon