

# Capsule Pressure Gauge Model 612.20, Stainless Steel Case

INSTRUMENTS • CONTROLS • VALVES

**ARCO**

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## Applications

- Low pressure pneumatic systems
- Suitable for fluid medium, gaseous or dry that does not corrode copper alloy.

## Special features

- Low pressure series
- Copper alloy wetted parts & stainless steel case
- Capsule pressure gauge

## Standard version

### Size

4" (100mm) & 6" (160mm)

### Accuracy class

± 1.5% of span

### Ranges (All ranges not stocked)

2.5" H<sub>2</sub>O to 275" H<sub>2</sub>O (6 to 685 mbar) or other equivalent units of pressure or vacuum

### Connection

Material: copper alloy  
Lower mount (LM)  
Lower back mount (LBM)  
1/4" NPT or 1/2" NPT

### Capsule Element

Material: copper alloy

### Movement

Copper alloy, nickel-silver pinion gear and shaft.  
Zero adjustment screw on dial

### Dial

White aluminum with black lettering

### Pointer

Black aluminum (zero adjust on dial. Must remove window to access)



## Pressure Gauge 612.20

### Case

304 stainless steel with stainless steel bayonet ring

### Weather Protection

Weather resistant (NEMA 3 / IP 54)

### Standard Scales

in. H<sub>2</sub>O/mm H<sub>2</sub>O  
oz.-sq. in./mm H<sub>2</sub>O  
oz.-sq. in./in. H<sub>2</sub>O  
PSI

### Window Gasket

Buna-N

### Window

Flat window glass

### Working Range

Steady: Full scale value  
Fluctuating: 0.9 x full scale value

### Operating Temperature

Ambient: -4°F to 140°F (-20°C to 60°C)  
Media: max. 212°F (+100°C)  
max. 176°F (+80°C) for 4" LBM

### Temperature error

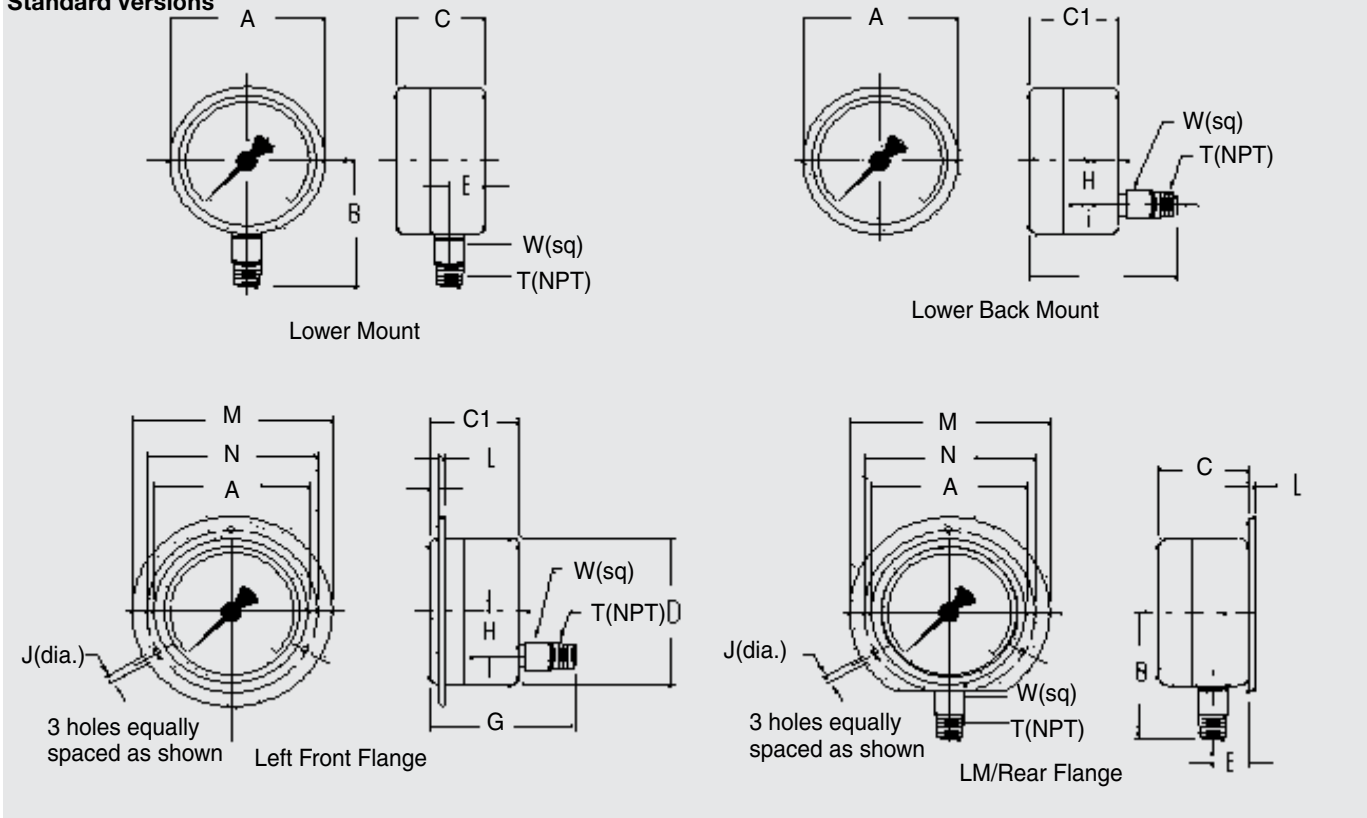
Additional error when temperature changes from reference temperature of 68°F (20°C) ±0.4% for every 18°F (10°C) rising or falling. Percentage of span.

## Optional Extras

- Front stainless steel polished
- Brass threaded restrictor
- U-Clamp bracket steel zinc plated with stainless steel polished profile ring
- Safety glass window
- Overpressure and underpressure protection
- Cleaned for oxygen service
- Medical specification
- Special connections limited to wrench flat area
- Nickel plated connection
- Externally adjustable red mark pointer (set pointer)
- Externally adjustable red drag pointer (max. pointer)
- Custom dial layout
- DIN standards
- Other pressure scales available

## Dimensions

### Standard versions



### A\* NOMINAL SIZE

TYPE/SIZE	WEIGHT	KEY	A	B	C	C1	D	E	G	H	J	L	M	N	T	W
612.20	1.32 lbs	mm	101	85	49.3	49.3	104	15.5	78	30	4.8	3	132	116	1/2" or 1/4"	22
4"		in	4	3.35	1.94	1.94	4.09	0.61	3.07	1.18	0.19	0.12	5.2	4.57	1/2" or 1/4"	0.86

Note: For 1/4" NPT connections, B dimension changes to 80mm / 3.15 in.  
Recommended panel cut-out: D + 1mm

### Ordering information

State computer part number (if available) /type number/size/range/connection size and locations/options required. WIKA reserves the right to make changes without prior notice.



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