DIAPHRAGM PRESSURE GAUGE

OVERVIEW:

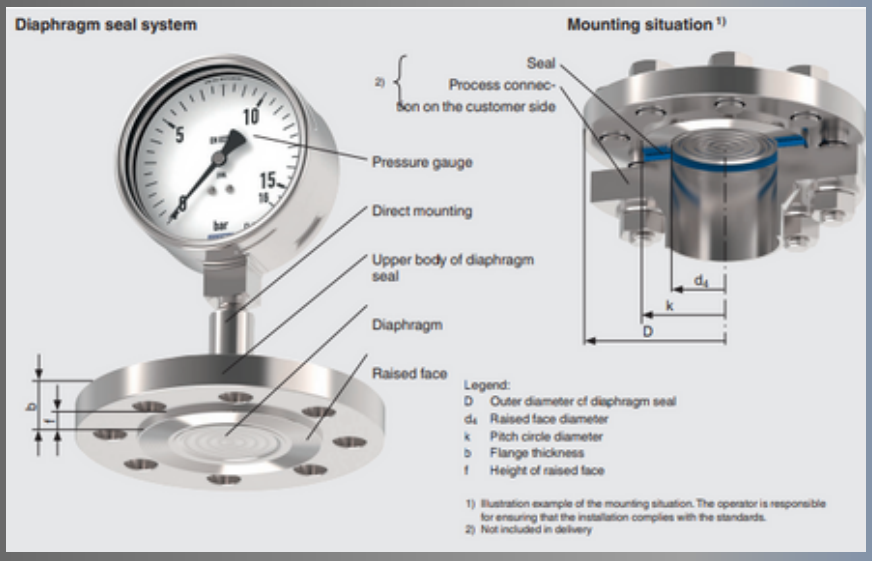
CM Engineers Diaphragm Pressure Gauges are designed for accurate pressure measurement in challenging industrial applications, particularly in environments with corrosive, viscous, or crystallizing media. These gauges feature a rugged diaphragm mechanism that ensures high precision and reliability in demanding conditions.

Special Features:

- Corrosion Resistance: Diaphragm and wetted parts made of SS 316L or Hastelloy for compatibility with aggressive media.
- High Accuracy: Designed to meet EN 837-3 standards for precision and performance.
- Customizable Options: Various materials, connections, and mounting configurations available.
- Vibration Resistance: Glycerin-filled versions available for damping in high-vibration environments.
- Overpressure Protection: Ensures safety and durability even in fluctuating pressure conditions.

Applications:

- Chemical and Petrochemical Industries
- Food and Beverage Processing
- Pharmaceutical Industry
- Wastewater Treatment Plants
- Pulp and Paper Industry
- Power Plants



Specifications:

1. Type	Diaphragm Pressure Gauge
2. Dial Size	63 mm, 100 mm, 150 mm
3. Pressure Range	-1 to 0 bar up to 0 to 25 bar
4. Accuracy Class	Class 1.6 or Class 1.0 (as per EN 837-3)
5. Sensing Element	Circular, Corrugated Diaphragm
6. Diaphragm Material	SS 316L, Hastelloy C, Monel (Optional)
7. Wetted Parts	SS 316L, PTFE Coated, or Customized
8. Case Material	SS 304 / SS 316
9. Window Material	Glass / Acrylic / Polycarbonate
10. Mounting	Bottom, Back, or Panel Mount
11. Connection Type	BSP / NPT / Metric (Threaded)
12. Connection Size	1/2", 3/4", 1"
13. Enclosure Protection	IP65 / IP67
14. Filling	Dry or Glycerin-Filled (for dampening)
15. Overpressure Protection	Up to 1.3 times the maximum scale range

Nominal range, measuring ranges & limits of error as per EN 837 -1

Measuring Range (°C)	Recommended Maximum Scale Range (Final Range) (°C)
-1 to 0 bar 0 to 1 bar 0 to 6 bar 0 to 10 bar 0 to 25 bar	Vacuum Applications Low-Pressure Applications General Process Industry Medium-Pressure Applications High-Pressure Applications

Accuracy Class	Limit of Error (± % of Full-Scale)
Class 1	±1%
Class 2	±2%

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