2000 Differential Pressure Gages

Features

- Magnet-helix indicating mechanism ideal for low DP measurement
- A wide selection ofranges from 0Pa to 60Pa at up to 30KPa
- Accuracy 2% ofFS
- Inertia-free, drift-free pointer indication
- Identical mounting dimensions to Model 2000 from Dwyer
- OEM solutions available

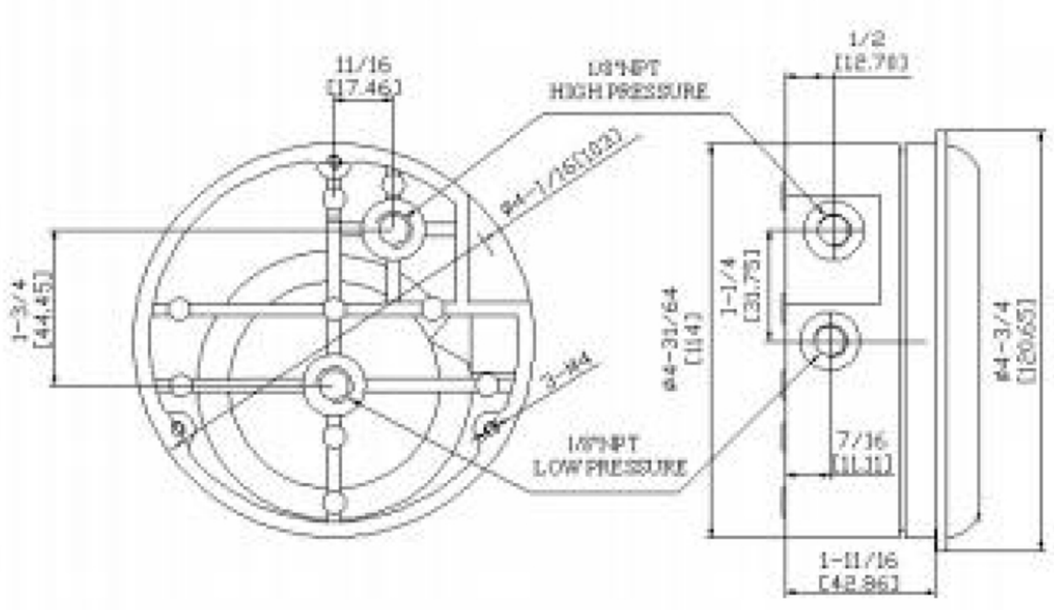
Indicating Mechanism

When pressure is applied to both sides of the diaphragm in operation, any difference in pressure causes the diaphragm, the spring that the diaphragm is linked to, and the magnet attached to the spring to move. The movement of the magnet forces the magnetic helix to turn in order to maintain the gap, and the pointer fixed to the helix turns with it.

Applications

The series 2000 DP gages are designed to measure positive, negative, or differential pressure of low air and non-corrosive gases with a full span accuracy of 2% at a competitive price. They are widely used for filter condition checks, HVAC control, and the measurement of fan and blower pressures, air velocity, and pressure drop across orifice plates applications, as well as other applications in the pharmaceutical and

Dimensional Outline Drawings



Specifications

Service: Air and non-combustible, compatible gases

Ranges: See Range Selection Chart

Accuracy: ±2% of full span at 21°C (±3% on 2000-0.50IN, 2000/Z-0.5IN, 2000-10MM, 2000-100Pa,

2000-125Pa and ±4% on 2000-0.25IN, 2000-6MM, 2000-60Paranges)

Ambient Temperature: -7 ~ 60°C

Pressure Limit: -68 ~ 100KPa

Overpressure: Relief plug opens at approximately 25Psig (172KPa)

Process Connections: 1/8″ female NPT duplicate high and low pressure taps: one pair side and one pair back

Case and Bezel Material:

Die cast aluminum

Weight: 460g

Dial Size: 4″ Diameter

Mounting Position: Vertical

Standard Accessories: Two 1/8″ NPT plugs for duplicate pressure taps, two 1/8″ pipe thread to rubber tubing adapter, and three flush mounting adapters with screws

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Model No.	Range (inH_2O)	Model No.	Range Zero Center (inH_2O)	Model No.	Range (mmH_2O)
2000-00IN**	.05-0-.20	2000/Z-0.5IN*	0.25-0-0.25	2000-3MM**	0-3
2000-0.25IN**	0-0.25	2000/Z-1.0IN	0.5-0-0.5	2000-6MM**	0-6
2000-0.50IN*	0-0.50	2000/Z-2IN	1-0-1	2000-10MM*	0-10
2000-1.0IN	0-1.0	2000/Z-4IN	2-0-2	2000-25MM	0-25
2000-2.0IN	0-2.0	2000/Z-10IN	5-0-5	2000-50MM	0-50
2000-3.0IN	0-3.0	2000/Z-20IN	10-0-10	2000-80MM	0-80
2000-4.0IN	0-4.0	2000/Z-30IN	15-0-15	2000-100MM	0-100
2000-5.0IN	0-5.0	**Model No.**	**Range (Psi)**	**Model No.**	**Range (cmH2O)**
2000-6.0IN	0-6.0	2000-1PSI	0-1	2000-15CM	0-15
2000-8.0IN	0-8.0	2000-2PSI	0-2	2000-20CM	0-20
2000-10IN	0-10	2000-3PSI	0-3	2000-25CM	0-25
2000-15IN	0-15	2000-4PSI	0-4	2000-50CM	0-50
2000-20IN	0-20	2000-5PSI	0-5	2000-80CM	0-80
2000-25IN	0-25	2000-10PSI	0-10	2000-100CM	0-100
2000-30IN	0-30	2000-15PSI	0-15	2000-150CM	0-150
2000-40IN	0-40	2000-20PSI	0-20	2000-200CM	0-200
2000-50IN	0-50	2000-30PSI	0-30	2000-250CM	0-250
2000-60IN	0-60			2000-300CM	0-300
2000-80IN	0-80				
2000-100IN	0-100				
2000-150IN	0-150				

Model No.	Range (Pa)	Model No.	Range (KPa)	Model No.	Zero Center Ranges
2000-30Pa**	0-30	2000-1KPa	0-1	2000/Z-20MM	10-0-10 mmH_2O
2000-60Pa**	0-60	2000-1.5KPa	0-1.5	2000/Z-4CM	2-0-2 cmH_2O
2000-100Pa*	0-100	2000-2KPa	0-2	2000/Z-10CM	5-0-5 cmH_2O
2000-125Pa*	0-125	2000-3KPa	0-3	2000/Z-30CM	15-0-15 cmH_2O
2000-250Pa	0-250	2000-4KPa	0-4	**Dual Scale English/Metric Models**	
2000-300Pa	0-300	2000-5KPa	0-5		
2000-500Pa	0-500	2000-8KPa	0-8	**Model No.**	**Range** / **Range**
2000-750Pa	0-750	2000-10KPa	0-10		
Zero Center Ranges		2000-15KPa	0-15	2000/D-0.5	0-0.5 inH_2O / 0-125Pa
Model No.	**Range**	2000-20KPa	0-20	2000/D-1.0	0-1.0 inH_2O / 0-250Pa
2000/Z-60Pa	30-0-30Pa	2000-25KPa	0-25	2000/D-2.0	0-2.0 inH_2O / 0-500Pa
2000/Z-250Pa	125-0-125Pa	2000-30KPa	0-30	2000/D-3.0	0-3.0 inH_2O / 0-750Pa
2000/Z-500Pa	250-0-250Pa			2000/D-4.0	0-4.0 inH_2O / 0-1.0KPa
2000/Z-1KPa	0.5-0-0.5KPa			2000/D-6.0	0-6.0 inH_2O / 0-1.5KPa
2000/Z-3KPa	1.5-0-1.5KPa			2000/D-8.0	0-8.0 inH_2O / 0-2.0KPa
				2000/D-10	0-10 inH_2O / 0-2.5KPa

* Accuracy ±3%, and these ranges calibrated for vertical scale position

** Accuracy ±4%, and these ranges calibrated for vertical scale position