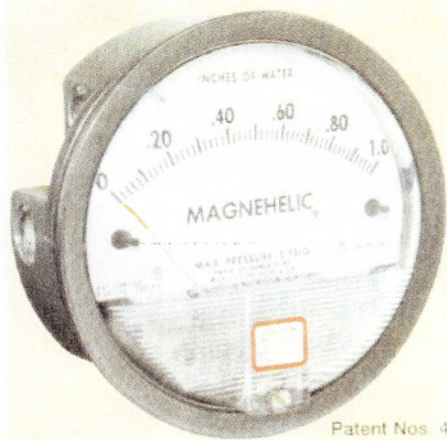
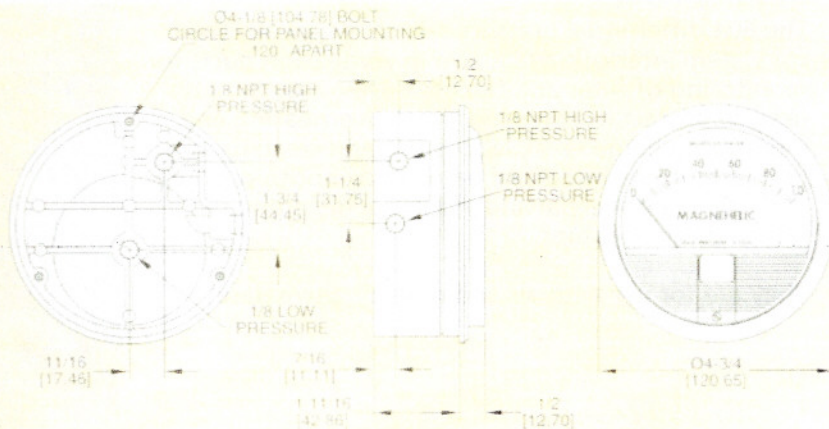


Indicate Positive, Negative, or Differential Pressure



Patent Nos. 4,030,365
5,012,678

Standard Magnehelic® Pressure Gage has a large, easy-to-read 4" dial.



Dimensions, Standard Series 2000 Magnehelic® Pressure Gages.
(Slightly different on medium and high pressure models)

DESCRIPTION

Select the Magnehelic® gage for high accuracy - guaranteed within 2% of full scale and for the wide choice of ranges available to suit your needs precisely. Using the simple, frictionless Magnehelic® movement, it quickly indicates low air or non-corrosive gas pressures - either positive, negative (vacuum) or differential. The design resists shock, vibration and over-pressures. No manometer fluid to evaporate, freeze or cause toxic or leveling problems. It's inexpensive, too. Widely used to measure fan and blower pressures, filter resistance, air velocity, furnace draft, pressure drop across orifice plates, liquid levels with bubbler systems and pressures in fluid amplifier or fluidic systems. It also checks gas-air ratio controls and automatic valves, and monitors blood and respiratory pressures in medical care equipment.

SPECIFICATIONS

Ambient temperature range: 20° to 140°F* (-7° to 60°C).
Rated total pressure: -20" Hg. to 15 psig† (-68 kPa to 103 kPa).
Overpressure: Relief plug opens at approximately 25 psig (172 kPa).
Connections: 1/8" NPT(F) high and low pressure taps, duplicated - one pair side and one pair back.

Housing: Die cast aluminum. Case and aluminum parts iridite-dipped to withstand 168 hour salt spray test. Exterior finish is dark gray.

Accuracy: Plus or minus 2% of full scale (3% on -0 and 4% on -00 ranges), throughout range at 70°F (21°C).

Standard accessories: Two 1/8" NPT plugs for duplicate pressure taps, two 1/8" pipe thread to rubber tubing adapters and three flush mounting adapters with screws. (Mounting ring and snap ring retainer substituted for 3 adapters in MP & HP gage accessories.)

Weight: 1 lb. 2 oz. (460 g)

Mounting: A single case size is used for most ranges of Magnehelic® gages. They can be flush or surface mounted with standard hardware supplied. With the optional A-610 Pipe Mounting Kit they may be conveniently installed on horizontal or vertical 1 1/4" -2" pipe.

*Low temperature models available as special option.
†For applications with high cycle rate within gage total pressure rating, next higher rating is recommended. See Medium and High pressure options.

Although calibrated for vertical position, many ranges above 1" may be used at any angle by simply re-zeroing. However, for maximum accuracy, they must be calibrated in the same position in which they are used. These characteristics make Magnehelic® gages ideal for both stationary and portable applications. A 4 9/16" hole is required for flush panel mounting. Complete mounting and connection fittings plus instructions are furnished with each instrument. Flush ...Surface...or Pipe Mounted.

ORDER INFORMATION

Model Number	Range Inches Of Water	Model Number	Range Zero Center Inches Of Water
2000-00†	0-25	2300-0†	.25-0-.25
2000-0†	0-50	2301	-5-0-.5
2001	0-1.0	2302	1-0-1
2002	0-2.0	2304	2-0-2
2003	0-3.0	2310	5-0-5
2004	0-4.0	2320	10-0-10
2005	0-5.0	2330	15-0-15
2006	0-6.0		
2008	0-8.0	Model Number	Range PSI
2010	0-10	2201	0-1
2015	0-15	2202	0-2
2020	0-20	2203	0-3
2025	0-25	2204	0-4
2030	0-30	2205	0-5
2040	0-40	2210*	0-10
2050	0-50	2215*	0-15
2060	0-60	2220*	0-20
2080	0-80	2230**	0-30
2100	0-100		
2150	0-150		

†calibrated for vertical scale position
*rated to 35 PSIG internal pressure
**rated to 80 PSIG internal pressure

Accessories

- A-310A, 3-Way Vent Valve
- A-321, Safety Relief Valve
- A-432, Portable Kit
- A-605, Air Filter Kit
- A-610, Pipe Mount Kit

Options

- To order, add suffix: I.E. 2001-ASF
- ASF (Adjustable Signal Flag)
- HP (High Pressure Option)- 80 PSI
- LT (Low Temperatures to -20°F)
- MP (Med. Pressure Option)-35 PSI
- SP (Setpoint Indicator)

HIGH AND MEDIUM PRESSURE MODELS: Installation is similar to standard gages except that a 4 13/16" hole is needed for flush mounting. The medium pressure construction is rated for internal pressures up to 35 psig and the high pressure up to 80 psig. Available in all ranges. Weight 1 lb., 10 oz (Installation of the A-321 safety relief valve on standard Magnehelic® gages often provides adequate protection against infrequent overpressure.