

## Magnehelic Dp Gauge

Technical catalogue: Ventilation  
Section: LEV Accessories

The Magnehelic® Gauge is a versatile low differential pressure gage with a wide choice of 81 models and 27 options to choose from. Using Dwyer's simple, frictionless Magnehelic® gauge movement, it quickly indicates air or noncorrosive gas pressures either positive, negative (vacuum) or differential. The design resists shock, vibration, over-pressures and is weatherproof to IP67.

### Product Applications:

- Filter Monitoring
- Air Velocity with Dwyer Pitot Tube
- Blower Vacuum Monitoring
- Fan Pressure Indication
- Duct, Room or Building Pressures
- Clean Room Positive Pressure Indication



### Specification

Item	Description
Service	Air and non-combustible, compatible gases (natural gas option available). Note: May be used with hydrogen. Order a Buna-N diaphragm. Pressures must be less than 35 psi.
Wetted Materials	Consult factory
Housing	Die cast aluminum case and bezel, with acrylic cover, Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
Accuracy	±2% (-HA model ±1) of FS (±3% (-HA ±1.5%) on -0, -100PA, -125PA, -10MM and ±4% (-HA ±2%) on -00, -60PA, -6MM ranges), throughout range at 70°F (21.1°C).
Pressure Limits	-20 in Hg. to 15 psig.† (-0.677 bar to 1.034 bar); MP option: 35 psig (2.41 bar), HP option: 80 psig (5.52 bar).
Enclosure Rating	IP67
Overpressure	Relief plug opens at approximately 25 psig (1.72 bar), standard gages only. See Overpressure Protection note on Catalog page.
Temperature Limits	20 to 140°F (-6.67 to 60°C). -20°F (-28°C) with low temperature option.
Size	4" (101.6 mm) diameter dial face.
Mounting Orientation	Diaphragm in vertical position. Consult factory for other position orientations.
Process Connections	1/8" female NPT duplicate high and low pressure taps - one pair side and one pair back.
Weight	1 lb 2 oz (510 g); MP & HP 2 lb 2 oz (963 g).
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 and snap ring retainer substituted for three adapters in MP & HP gage accessories.)
Agency Approval	Meets the technical requirements of EU Directive 2011/65/EU (RoHS II). Note: -SP models not RoHS approved.

### FEATURES

- Easy to read
- Durable and rugged housing
- High accuracy
- Bezel provides flange for flush mounting in panel.
- Zero adjustment screw is conveniently located in the plastic cover, and is accessible without removing the cover. O-ring seal provides pressure tightness.
- Red tipped pointer of heat treated aluminum tubing is easy to see. It is rigidly mounted on the helix shaft.
- Pointer stops of molded rubber prevent pointer over-travel without damage.