



SERIES 2000 | MAGNEHELIC® DIFFERENTIAL PRESSURE GAGES



Standard Magnehelic® gage



High Accuracy Magnehelic® gage
Shown with optional -SS bezel

BENEFITS/FEATURES

- Easy to read gage through undistorted plastic face permits viewing from far away
- Patented design provides quick response to pressure changes means no delay in assessing critical situations
- Durable and rugged housing and high-quality components combine to provide long service life and minimized down-time

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

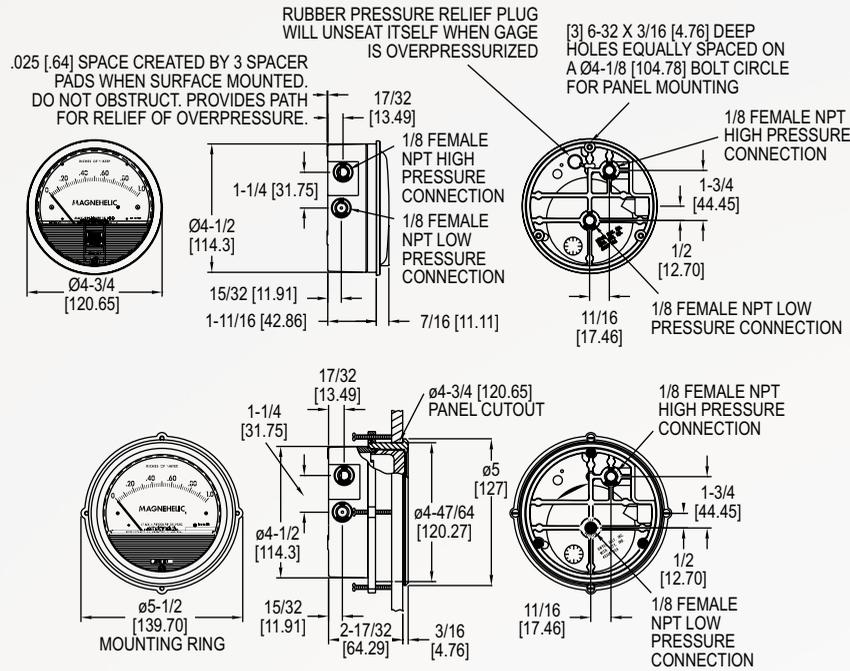
DESCRIPTION

Select the **Series 2000 Magnehelic® Differential Pressure Gages** for a versatile low differential pressure gauge with a wide choice of 81 models and 27 options to choose from. Using Dwyer's simple, frictionless Magnehelic® gage 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.

GAGE SPECIFICATIONS

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% of FS (±3% on -0, -100 Pa, -125 PA, -10 mm and ±4% on -00, -60 Pa, -6 mm 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 and 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 and HP gage accessories).
Compliance	Meets the technical requirements of EU Directive 2011/65/EU (RoHS II). Note: -SP models not RoHS approved.
Note: For applications with high cycle rate within gage total pressure rating, next higher rating is recommended. See Options page.	

DIMENSIONS



HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

SERIES		2002	-ASF	OPTIONS
(in w.c./mm w.c.)	(Pa)	(kPa)		- ASF : Adjustable signal flag
2000-00 : 0-0.25 in w.c.	2000-60NPA : 10-0-50 Pa	2000-1KPA : 0-1 kPa		- AHU1 : Mounting plate
2000-00N : 0.5-0-0.2 in w.c.	2000-60PA : 0-60 Pa	2000-1.5KPA : 0-1.5 kPa		- AHU2 : Mounting plate with A-481 accessory kit
2000-0 : 0-0.5 in w.c.	2000-100PA : 0-100 Pa	2000-2KPA : 0-2 kPa		- BUNA : Buna-N elastomers
2001 : 0-1 in w.c.	2000-125PA : 0-125 Pa	2000-3KPA : 0-3 kPa		- CB : Chrome bezel
2002 : 0-2 in w.c.	2000-250PA : 0-250 Pa			- FC : Factory calibration
2003 : 0-3 in w.c.	2000-300PA : 0-300 Pa			- HA : High accuracy
2004 : 0-4 in w.c.	2000-500PA : 0-500 Pa			- M : Mirrored scale overlay
2006 : 0-6 in w.c.	2300-60PA : 30-0-30 Pa			- SB : 304 SS bezel
2010 : 0-10 in w.c.	2300-100PA : 50-0-50 Pa			- SS : Brushed 304 SS bezel
2000-6MM : 0-6 mm w.c.	2300-120PA : 60-0-60 Pa			
2000-50MM : 0-50 mm w.c.				
2300-12MM : 6-0-6 mm w.c.				

Note: Only our most popular models and options are listed. For additional available models, please visit: <https://www.dwyer-inst.com/Product/Pressure/DifferentialPressure/Gages/Series2000>

ACCESSORIES

Model	Description
A-320-A	Enclosure for Series 2000 Magnehelic® gages, DM-2000 differential pressure transmitter, 4-9/16" (115.89 mm)
A-464	Flush Mount kit for Magnehelic® gages
A-610	Pipe mounting kit for 1-1/4" to 2" pipe. 5.6" x 4.6" x 1.4", 1.0 lb
A-300	Flat aluminum bracket for flush mounting Magnehelic® gage. 6.8" x 6.0" x .1", .35 lb
A-299	Mounting bracket flush mount Magnehelic® gage in bracket. Bracket is then surface mounted. Steel with gray hammertone epoxy finish. 6.3" x 7.7" x 4.0", 1.30 lb

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