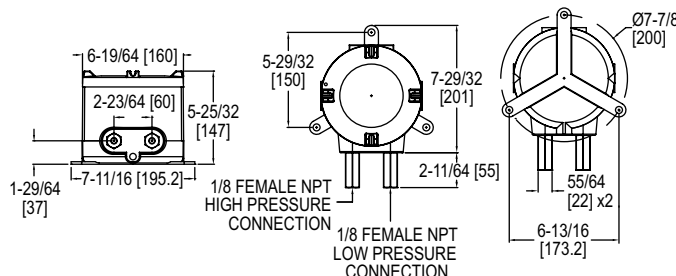


ATEX/IECEX APPROVED MAGNEHELIC® DIFFERENTIAL PRESSURE GAGES

Magnehelic® Gage in Flameproof ATEX/IECEX Enclosure



AT-100NA-2000, shown with VS0 port/valve configuration

The **Series AT-2000 ATEX/IECEX Approved Magnehelic® Differential Pressure Gages** combines the popular Magnehelic® line with a flameproof enclosure to extend usage to hazardous locations. This gage can indicate positive, negative or differential pressures and is accurate within 2%.

BENEFITS/FEATURES

- Quick response to pressure changes means no delay in assessing critical situations
- Durable and rugged housing and high-quality components combined provides long-service life and minimized down-time
- High impact strength and high temperature rated for applications where hazardous environments exist
- ATEX/IECEX housing provides all the capabilities and value of the Magnehelic® in a flame and explosion proof enclosure
- Increased response time at low pressures with LD port configuration

APPLICATIONS

- Fan and blower pressures
- Filter resistance
- Air velocity
- Furnace draft
- Liquid levels with bubbler systems
- Pressure in fluid amplifier or fluidic systems

Attention: Check local safety rules and warnings on unit and manual for a correct use of the instrument in hazardous area.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.

Wetted Materials: Consult factory.

Magnehelic® Housing: Die cast aluminum case and bezel with acrylic cover; Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.

Housing Material: Aluminum.

Finishing: Texture epoxy coat RAL7015.

Accuracy: $\pm 2\%$ of FS ($\pm 3\%$ on -0, -100PA, -125PA, -10MM and $\pm 4\%$ on -00, -60PA, -6MM ranges), throughout range at 70°F (21.1°C).

Pressure Limits: See pressure limit chart.

Temperature Limits: 20 to 140°F (-6.67 to 60°C); Low temperature option: -20°F (-28.8°C) (Note: Product temperature limits are less than case limits).

Mounting Orientation: Diaphragm in vertical position.

Enclosure Rating: IP66 (IP65 for versions VS1, VS2, and VL1).

Process Connections: 1/8" NPT female brass (SS optional).

Weight: 10.5 lb (4.8 kg).

ATEX Certificate: INERIS 21ATEX0033X.

IECEX Certificate: IECEX INE 21.0064X.

Compliance: ATEX: CE 0080 Ex II 2G Ex db IIC T5, T6 Gb -60°C $\leq$ T_{amb} $\leq$ +50°C (T6)

-60°C $\leq$ T_{amb} $\leq$ +60°C (T5); II 2D Ex tb IIIC T75°C Db

IECEX: Ex db IIC T5, T6 Gb -60°C $\leq$ T_{amb} $\leq$ +50°C (T6) -60°C $\leq$ T_{amb} $\leq$ +60°C (T5) Ex tb IIIC T75°C Db.

RANGE CHART

Model	Range in w.c.	Model	Range in w.c.	Model	Range in w.c.
2000-00N	.05 to 0 to .2	2006	0 to 6.0	2040	0 to 40
2000-00	0 to .25	2008	0 to 8.0	2050	0 to 50
2000-0	0 to .50	2010	0 to 10	2060	0 to 60
2001	0 to 1.0	2012	0 to 12	2080	0 to 80
2002	0 to 2.0	2015	0 to 15	2100	0 to 100
2003	0 to 3.0	2020	0 to 20	2120	0 to 120
2004	0 to 4.0	2025	0 to 25	2150	0 to 150
2005	0 to 5.0	2030	0 to 30	2160	0 to 160

PRESSURE LIMITS

Port/Valve	One Pressure Port Connected	Both Pressure Ports Connected
VS0	10 kPa	10 kPa
VL0	10 kPa	10 kPa
VS1	20 kPa	15 kPa
VS2	40 kPa	20 kPa
VL1	20 kPa	15 kPa

MODEL CHART

Example	AT	-101NA	-2001	-X	-W	1	VS0	AT-101NA-2001-X-W1VS0
Enclosure	AT							ATEX/IECEX approved enclosure
Enclosure Material and Configuration		100NA 101NA						Aluminum enclosure no valve Aluminum enclosure with valve
Range			2XXX					Magnehelic differential pressure gage, specify range using range chart
Temperature Limits				X LT				Standard temperature limits -6.67 to 60°C Low temperature limit to -28.8°C
Cover					W			Glass window
Port/Valve Material						1 2		Brass SS
Port/Valve Configurations							VS0 VL0 VS1 VS2 VL1	STD port/no valve LD port/no valve STD port/STD valve STD port/LD valve LD port/LD valve

USA: California Proposition 65

WARNING: This product can expose you to chemicals including Lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Over Protection Note: See page 21 (Series 2000)