

PDGAUGE2

Differential Pressure Gauge

Installation Guide

CE The EMC Directive 2014/30/EU
The Low Voltage Directive 2014/35/EU

1.0 Introduction

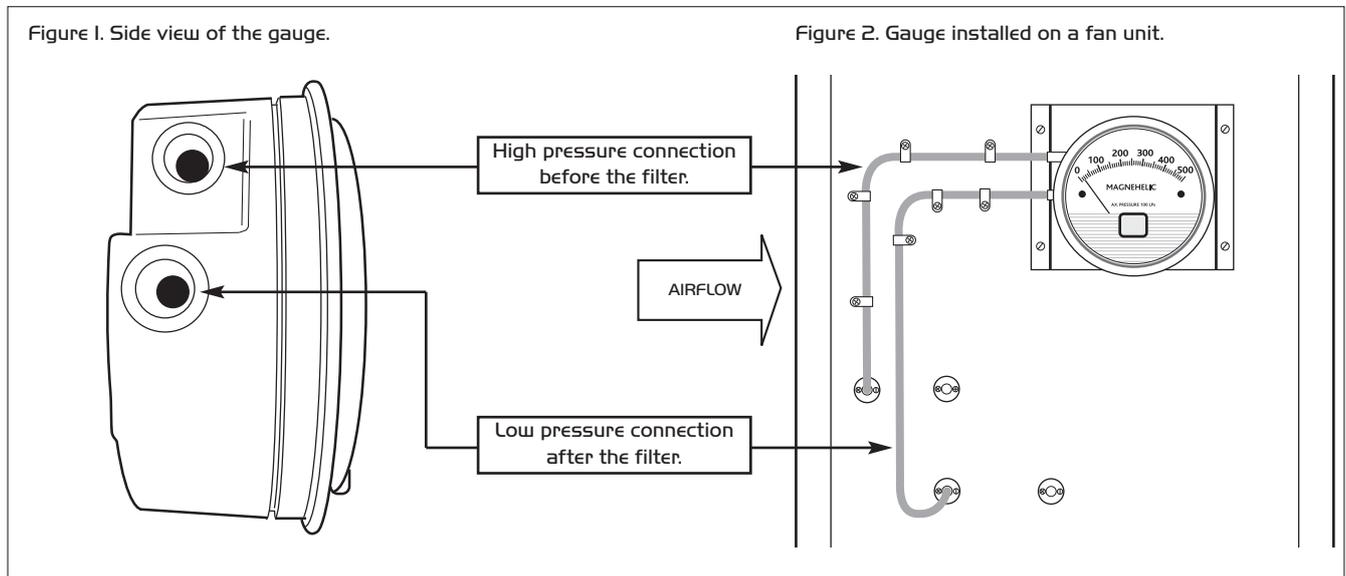
The differential pressure gauge is designed to measure a pressure drop across equipment (for example across a filter).

2.0 Installation

The gauge will come fitted to a mounting bracket and with a length of PVC tubing

that can be cut to the lengths required for connection. Select a location free from excessive vibration and where the ambient temperature will not exceed 140°F (60°C). Also, avoid direct sunlight which accelerates discoloration of the clear plastic cover. Sensing lines may be run any necessary distance. Long tubing lengths will not affect accuracy but will increase response time slightly.

Do not restrict lines. All standard Magnehelic® Differential Pressure Gauges are calibrated with the diaphragm vertical and should be used in that position for maximum accuracy.



3.0 Operation

Differential Pressure: Connect tubing from the greater of two pressure sources (pressure tapings on the outside of the panel) to either of the high pressure ports and the lower to either of the low pressure ports on the gauge. Plug both unused ports with plugs provided.

To zero gauge after installation

Set the indicating pointer exactly on the zero mark, using the external zero adjust screw on the cover at the bottom.

Note that the zero check or adjustment can only be made with the high and low pressure taps both open to atmosphere.

4.0 Maintenance

No lubrication or periodic servicing is required. Keep case exterior and cover clean. Occasionally disconnect pressure lines to vent both sides of gauge to

atmosphere and re-zero. The Series 2000 is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty).

5.0 Trouble shooting

Gauge won't indicate or is sluggish.

1. Duplicate pressure port not plugged.
2. Diaphragm ruptured due to over pressure.
3. Fittings or sensing lines blocked, pinched, or leaking.
4. Cover loose or "O" ring damaged, missing.
5. Pressure sensor, (static tips, Pitot tube, etc.) improperly located.
6. Ambient temperature too low. For operation below 20°F (7°C), order gauge with low temperature, (LT) option.

6.0 After Sales Enquiries

For technical assistance or further product information, including spare parts and replacement components, please contact the After Sales Department.

Telephone 02920 858 400