



Magnetic piston pressure gauges MAG100Dif

Part no. 88019312

Magnetic piston pressure gauge for differential pressure - high overload protection

benefits

- compact and robust stainless steel measuring system
- max. static pressure PN 100, 250, 400
- Leak-proof due to mechanical separation of pressure chamber and display
- various connection types
- easy retrofitting of electrical contacts without intervention in the measuring system

Application

For differential pressure measurements at very high static pressures. For gaseous and liquid, non-adhesive media that are not highly viscous. Particularly suitable for monitoring filters, pumps, pipe systems and cooling circuits.

Technical Specifications

Type
MAG100Dif D312

Nominal size
100

accuracy
± 3 % of full scale value
(at increasing differential pressure)

ranges (EN 837-3/5)
see ordering table

standard version

Connection (wetted part)
Stainless steel 316, on left and right sides, opposite each other

Connection cover
plastic, glass-fibre reinforced, black

Measuring element (wetted part)
Compression spring, Stainless steel 301

maximum static pressure
100 bar

Overpressure safety
up to the maximum static pressure at both ends

Operating temperature range
Medium: max. 80 °C
Ambient: 0/80 °C

Degree of protection
IP 65 (EN 60529)

Magnetic piston (wetted part)
Stainless steel 316/strontium ferrite

Seal (wetted part)
NBR (Perbunan)

Dial

Aluminium, white
dual scale (bar/psi)
Scaling: black/red
scale angle: 90 °

Pointer

Aluminium, black

Housing

Stainless steel 304, with rubber sealing ring at the front

window

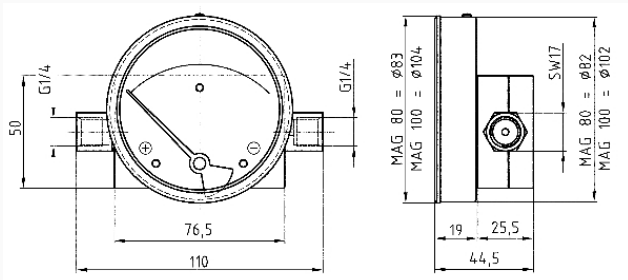
Instrument glass

Options

- Mounting plate with fixing clamp
- 3-hole fixing, panel mounting bezel
- max. static pressure PN 250/400
- other connection threads
- other connection designs
- Window acrylic glass
- Bourdon tube pressure gauge with inductive contact
- Filter in "plus" connection
- Glycerine filling
- Maximum pointer
- special scales

Technical Drawings

Lateral connection, right and left



Dimensions (mm)

Versions

Type	housing ø	Housing	accuracy class	Con- nection	Ausrich- tung	Range	Type	Type	Part no.
MA- G100Dif D312	100 mm	Stain- less steel 304		2 x G1/4 female thread		0/4 bar	MA- G100Dif	D312	88019312

● in-stock items

● Non-stock items