

Pressure Gauge with chemical seals series MDH

Glycerine / Silicon free liquid filled
St. steel case Diaphragm

General features

- High pressure chemical seal type pressure gauge
- German movement and sensing element
- Pressure ranges from 0...100 bar to 0...400 bar
- Accuracy class 1.0
- Degree of Protection

Application area

- Diaphragm seals protects the gauges from aggressive, highly viscous or solidifying measurement media as well as from high media temperatures, vapours, measurement pressure fluctuations and pressure spikes as well as increasing the overload capacity.
- Food industry, Pharmaceutical industry, Biotechnology.

General specification

Size

63mm, 100mm

Pressure range

0...100 bar to 0...400 bar

Accuracy class

Class 1.6 for 63mm

Class 1.0 for 100mm

Temperature

operating temperature ranges
(ambient and measured medium)

-20...+60°C

storage temperature

-20...+60°C

Degree of protection

IP 65

Case and bezel ring

Material: St. steel

Bayonet ring

with blow-out disc at the top of the case

Type of mounting

Bottom connection

Process Connection - Stainless steel

G1/4, G1/2, G3/8, PT1/4, PT1/2, PT3/8

others on request



Pressure gauge with chemical seals, series MDH

Bourdon Tube

St. steel

Movement

St. steel

Diaphragm

Material: Stainless steel

Sensing media: silicone

Diaphragm housing

Stainless steel

Dial

Aluminium

Pointer

aluminium, black

Window

Instrument glass

Option

case filling 85%

- glycerine

- silicone

Ordering information

Model code

MDH

Dial size

B3 : MBX4
B5 : MBX5
A3 : MAX5
A4 : MAX4
A5 : MAX5

Mounting

1 : Bottom connection

Liquid filling

0 : Dry
1 : Glycerin
2 : Silicon

Option

Refer to option table

Pressure range

Refer to pressure range table

Unit of measurement

B : bar D : dual scale
M : MPa X : others
P : psi

Process connection

G2 : PF 1/2" N2 : NPT 1/2"
G3 : PF 3/8" N3 : NPT 3/8"
G4 : PF 1/4" N4 : NPT 1/4"
R2 : PT 1/2"
R3 : PT 3/8"
R4 : PT 1/4"

Pressure range code, unit bar

Code	Range
R43	0...100
R44	0...150
R45	0...160
R46	0...200
R47	0...250
R48	0...300
R49	0...350
R50	0...400
RYY	Others

Option code

Code	Description	Code	Description
ND	New dial design	TP	St. stell tag plate, 60 x 20 x 0.5t
NF	New dial face printing cost per pcs	MC	Manufacture calibration certificate
GM	Green marking per pcs	KC	KOLAS Ilac-MRA calibration certificate
CD	New dial face design with company logo	R	Reed switch
RS	Restrictor screw in socket hole for high pulsation	SN	Snubber
UC	U-calmp for back connection, steel	AD	Adaptor
NO	"USE No OIL" per pcs, at least ≥ 10 pcs	CC	Certificate of conformance / orign
OF	Oval 3-hole front flange	PM	2" Pipe mounting bracket
MP	Maximum pointer	NC	Ni-Cr Plate
BB	Bayonet bezel ring for MBX5	AL	Aluminium pointer for MBX3

How to Order

MDHA.511.G2BR50.GM

MDH, MAX5 100 mm, Cl. 1.0% of F.S, Bottom Connection, Glycerine, G1/2", 0...400 bar, Green marking

