



Diaphragm seals are designed to isolate the sensing element of pressure gauges and pressure switches from process fluids that may be corrosive, viscous, sedimentous and/or with a high temperature. The diaphragm is welded to the body, to ensure separation of the filling fluid from the process medium. The threaded connection make it easy to use on all applications where the reduced size of the system is important and also where gauges of 2.5" (63 mm) diameter are required.

4.MIA - MGS9/MINI/A

Working pressure: from 0...1500 to 0...6000 psi (from 0...100 to 0...400 bar), as from RANGES table.

Working temperature: -49...302°F (-45...+150°C).

Accuracy(1): (add to instrument accuracy) ±1,0 % for direct mounting; ± 1% for capillary mounting.

Instrument connection: AISI 316 st.st.

Diaphragm: AISI 316 L st.st., welded

Process connection: AISI 316 st.st.

Filling liquid: silicon oil.

4.MIM - MGS9/MINI/M

Working pressure: from 0...100 to 0...1000 psi (from 0...6 to 0...60 bar), as from RANGES table.

Other features: as model MGS9/MIA.

4.MIB - MGS9/MINI/B

Working pressure: from -30...0 InHG to 0...1000 psi (from -1...0 to 0...60 bar), as from RANGES table.

Other features: as model MGS9/MIA.

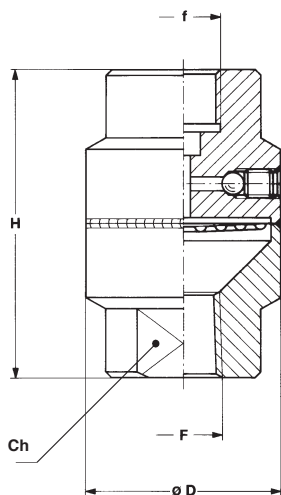
RANGES

Gauge DS	MGS9.MIA	MGS9.MIM	MGS9.MIB
2.5" (63 mm)	0...1500/0...6000 psi (0...100/0...400 bar)	0...100/0...1000 psi (0...6/0...60 bar)	-30...0 InHG /0...1000 psi (-1...0/0...60 bar)
4" (100 mm)			
6" (150 mm)		0...160/0...1000 psi (0...10/0...60 bar)	0...15/0...1000 psi (0...1/0...60 bar)

(1) at 68°F (20 °C) process temperature (or state temperature when ordering)

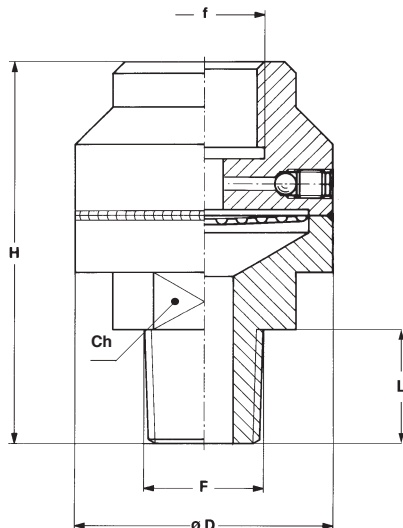
MGS9/MIA

f
G 1/4 A
1/4-18 NPT



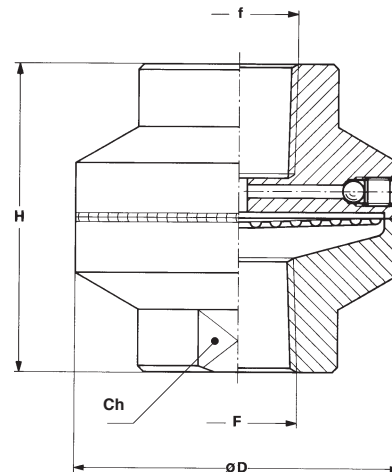
MGS9/MIM

f
G 1/2
G 1/4 A
1/4-18 NPT



MGS9/MIB

f
G 1/2 A
1/2-14 NPT
G 1/4 A
1/4-18 NPT



F (1)	D	H	Ch	L
1/4-18 NPT M	1.33" (34)	2.12" (54)	0.86" (22)	-

(1) other threads available on request
dimensions : inches (mm)

F (1)	D	H	Ch	L
1/4-18 NPT F	1.73" (44)	2.12" (54)	1.06" (27)	-
1/2-14 NPT M	1.73" (44)	2.63" (67)	1.06" (27)	0.78" (20)
1/2-14 NPT F	1.73" (44)	2.12" (54)	1.06" (27)	-
G 1/2 B	1.73" (44)	2.63" (67)	1.06" (27)	0.78" (20)

(1) other threads available on request
dimensions : inches (mm)

F (1)	D	H	Ch	L
1/4-18 NPT F	2.24" (57)	2.91" (54)	1.25" (32)	-
1/2-14 NPT M	2.24" (57)	2.91" (74)	1.25" (32)	0.78" (20)
1/2-14 NPT F	2.24" (57)	2.91" (54)	1.25" (32)	-
G 1/2 B	2.24" (57)	2.91" (74)	1.25" (32)	0.78" (20)

(1) other threads available on request
dimensions : inches (mm)

ASSEMBLING

All diaphragm seals are mounted on the instruments and fixed by an aluminium protection label.

Direct
Cooling extension

OPTIONS

DESCRIPTION	MIA	MIM	MIB
Helium Test	◆	◆	◆
Vacuum execution			◆
Dye penetrant test	◆	◆	◆

"HOW TO ORDER" SEQUENCE

Section / Model/Connection material /Diaphragm material / Process Connection / Instrument connection / Assembling / Options

4 MIA
MIM
MIB