

Threaded

MIEPL make Integral Diaphragm Seal Pressure Gauges are based on the Diaphragm sensing system. The modular design enables a multitude of combinations of case materials, process connections.

**FEATURES**

- ⇒ Welded diaphragm
- ⇒ Full seal-welded seal

APPLICATION

- ⇒ Oil & Gas applications
- ⇒ Corrosive environments

REFERENCE

- ⇒ EN 837-3

STANDARD SPECIFICATIONS

Dial size	: DN100
Range	: 4...70 bar,
Mounting pattern	: Direct, Bottom connection
Process connection	: ½" NPT (M) / ½" BSP (M)
Seal filling fluid	: Silicon DC 200
Ingress protection	: IP 65
Execution	: Dry

STANDARD PARAMETERS

Accuracy	: CL 1.6
Ambient Temperature	: -40...+65°C (without dampening liquid) : -20...+65°C (with dampening liquid)
Service Temperature	: 10...150°C max.
Pressure limits	: Steady pressure up to FS value
Weld joints	: TIG argon arc welding

MATERIAL OF CONSTRUCTION

Sensing Element	: Diaphragm
Case & Ring material	: AISI 304 SS (Bayonet type)
Diaphragm, Bourdon tube & Shank	: AISI 316L SS (Shank welded directly to case)
Movement mechanism	: AISI 304 SS
Seal body	: AISI 316 SS
Dial	: Aluminum, black graduation on white background
Pointer	: Micro-zero adjustable, aluminum, black powder coated
Gaskets, Blow off disc & filling plug	: Neoprene / NBR
Window	: Shatterproof safety glass

STANDARD PARAMETERS

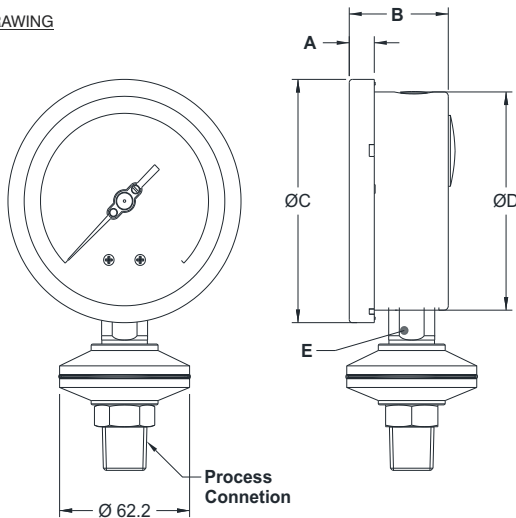
Accuracy	: CL 2.5
Window	: Plexi glass
Dampening liquid	: Glycerin 99.7%

TEMPERATURE EFFECT

Please refer clause no 9.3 of EN 837-1

DRAWING

DIMENSIONAL DRAWING



DN	100	150
A	12	15
B	48	48
ØC	111	161
ØD	100	149
E	SQ.22	SQ. 22
Weight (gm)	950	1530

All dimensions are in mm.

ORDERING CODE

MP26 - **D** - **XXX** - **1A** - **2BM** - **IP2** - **E1**

1. DIAL SIZE	100 mm / 4"	D				
	150 mm / 6"	F				
2. RANGE	Refer "Range Table"		XXX			
3. MOUNTING PATTERN	Direct Bottom connection			1A		
4. PROCESS CONNECTION	1/4" BSP (M)				2BM	
	1/4" NPT (M)				2NM	
	3/8" BSP (M)				3BM	
	1/2" BSP (M)				4BM	
	M20 X 1.5 mm (M)				4MM	
	1/2" NPT (M)				4NM	
	Other thread size and standards available on request. ¹					
5. INGRESS PROCESS	IP 65				IP2	
6. EXECUTION	Dry					E1
	Dry but fillable					E2
	Dampening liquid filled, glycerine)					E4
7. OTHER OPTIONS	5 - point calibration certificate	SA	SS tag plate, AISI 304 SS	WF	Dial tag marking	WT
	Material test certificate 3.1	SC	SS tag plate, AISI 316 SS	WG		
	Material test certificate 2.2	SM	Custom designed dial	WR		

Ordering Example : **MP26 - D - XXX - 1A - 2BM - IP2 - E1**

1. For other connections, please contact factory.