MP20 ALL STAINLESS STEEL PRESSURE GAUGE MIEPL

Capsule

MIEPL make SS Low Pressure Gauge measuring system. This Pressure Gauge are used in Low pressure application area in liquid and gaseous , Chemical and Petrochemical, Food and Beverages, Oil and Gas industries.

FEATURES

- All SS measuring system
- Socket-case, direct welded
- Low pressure application (<0.6 bar)
- Zero adjustment on dial

APPLICATION

- Liquid & gaseous mediums
- Corrosive environments
- Oil & Gas applications
- Chemical & Petrochemical
- Food & Beverages
- Nuclear power plants

REFERENCE

- EN 837-3

STANDARD SPECIFICATIONS

Dial size	:	DN63 / DN100 / DN125 / DN150
Range	:	-600...25...600 mbar
	:	6...16 mbar (available in DN 150)
	:	100...600 mbar (available in liquid dampening)
Mounting pattern	:	Direct, Bottom connection
Process connection	:	½" NPT (M)
Ingress protection	:	IP 54
Execution	:	Dry

STANDARD PARAMETERS

Accuracy	:	CL 1.6
Ambient Temperature	:	-40...+65°C
Service Temperature	:	150°C max.
Pressure limits	:	Steady pressure up to FS value
	:	Fluctuating pressure up to 90% of FS value
Weld joints	:	TIG argon arc welding

MATERIAL OF CONSTRUCTION

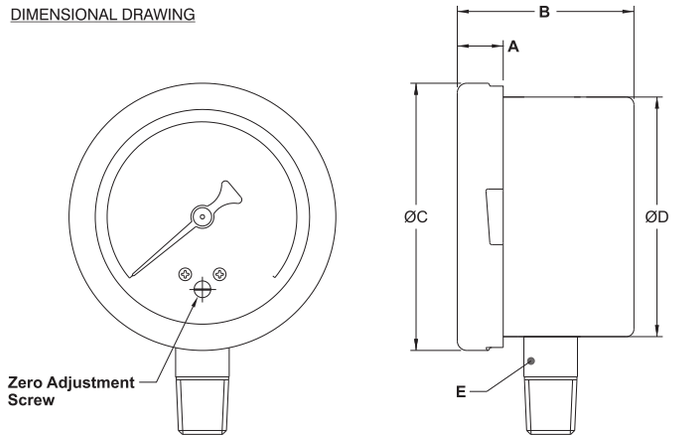
Sensing Element	:	Welded capsule
Case & Ring material	:	AISI 304 SS (Bayonet type)
Capsule	:	AISI 316 SS
Shank	:	AISI 316L SS (Welded directly to case)
Movement mechanism	:	AISI 304 SS
Dial	:	Aluminum, black graduation on white background
	:	with external zero adjustment on dial
Pointer	:	Fixed, aluminum, black powder coated
Gaskets, Blow off disc & filling plug	:	Neoprene
Window	:	Sheet glass

TEMPERATURE EFFECT

Please refer clause no 9.3 of EN 837-1

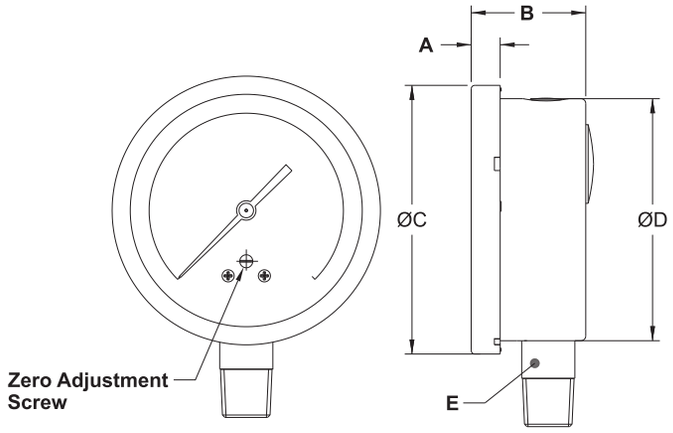
DRAWING

DIMENSIONAL DRAWING



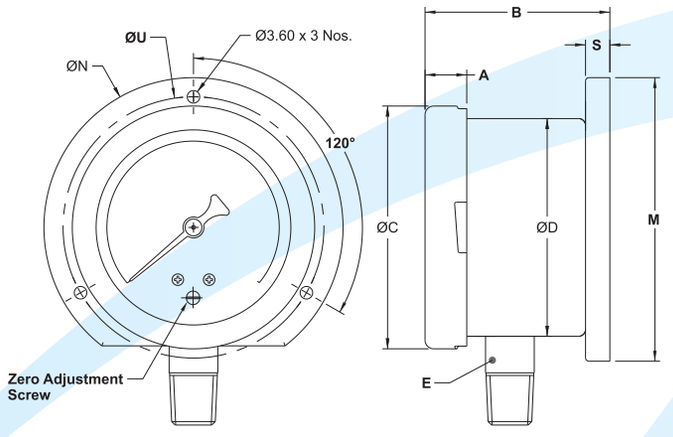
Type - 1A	
DN	63
A	12
B	43
ØC	70
ØD	62.5
E	SQ.14
Weight (gm)	250

DIMENSIONAL DRAWING



Type - 1A			
DN	100	125	150
A	12	15	15
B	48	48	48
ØC	111	129	161
ØD	100	118.5	149
E	SQ.22	SQ. 22	SQ. 22
Weight (gm)	540	730	950

DIMENSIONAL DRAWING

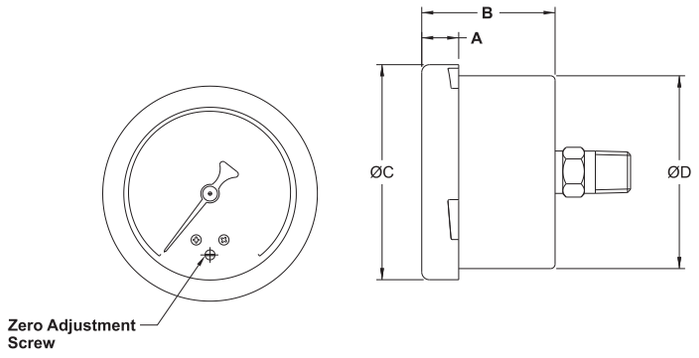


Type - 1B	
DN	63
A	12
B	42
ØC	70
ØD	62.5
E	SQ. 14
ØN	86
ØU	75
M	77
S	7
Weight (gm)	300

All dimensions are in mm.

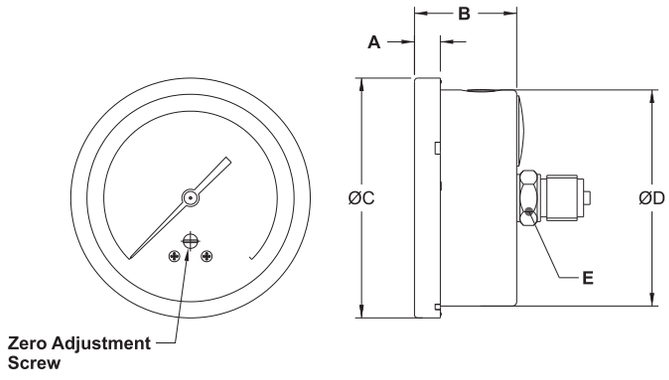
DRAWING

DIMENSIONAL DRAWING



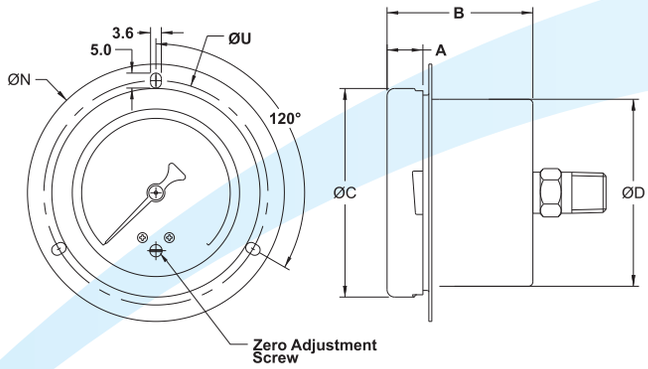
Type - 2A	
DN	63
A	12
B	43
ØC	69.7
ØD	62.5
Weight (gm)	230

DIMENSIONAL DRAWING



Type - 2A			
DN	100	125	150
A	12	15	15
B	48	48	48
ØC	111	129	161
ØD	100	118.5	149
E	SQ.22	SQ. 22	SQ. 22
Weight (gm)	530	720	940

DIMENSIONAL DRAWING

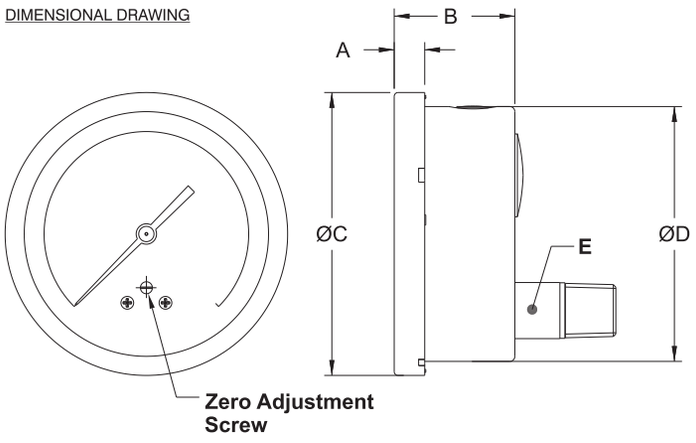


Type - 2C	
DN	63
A	12
B	43
ØC	69.7
ØD	62.5
N	86
U	75
Weight (gm)	250

All dimensions are in mm.

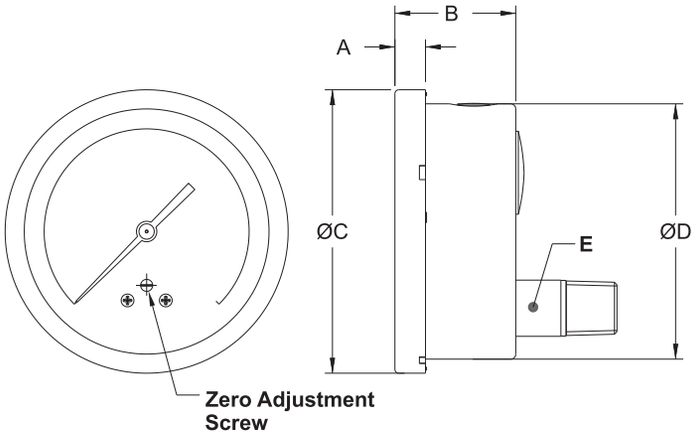
DRAWING

DIMENSIONAL DRAWING



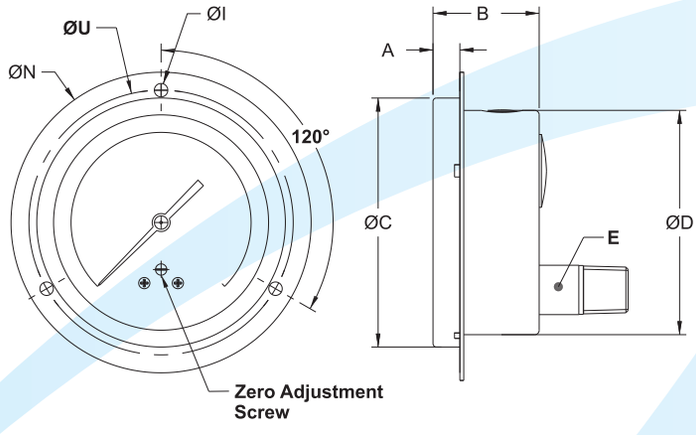
Type - 2E			
DN	100	125	150
A	12	15	15
B	48	48	48
ØC	111	129	161
ØD	100	118.5	149
E	SQ.22	SQ. 22	SQ. 22
Weight (gm)	540	730	950

DIMENSIONAL DRAWING



Type - 2F			
DN	100	125	150
A	12	15	15
B	48	48	48
ØC	111	129	161
ØD	100	118.5	149
E	SQ. 22	SQ. 22	SQ. 22
I	6	6	6
ØN	134	118	186
ØU	118	137	168
Weight (gm)	620	830	2470

DIMENSIONAL DRAWING



Type - 2G			
DN	100	125	150
A	12	15	15
B	48	48	48
ØC	111	129	161
ØD	100	118.5	149
E	SQ. 22	SQ. 22	SQ. 22
J	72	75	106.5
K	16	15	16
V	108	125	158.5
Weight (gm)	640	830	1100

ORDERING CODE

MP20 - D - XXX - 1A - 4NM - IP1 - E1

1. DIAL SIZE	63 mm / 2½"	C
	100 mm	D
	150 mm	F
2. RANGE	**Refer "Range Table**	XXX
3. MOUNTING PATTERN	Direct Bottom connection	1A
	Wall/Surface/Projection mounting, Bottom connection	1B
	2" Pipe/Yoke mounting, Bottom connection	1C
	Panel/Front flange mounting, Bottom connection	1D
	Centre, Back connection	2A
	Panel/Front flange mounting, Centre back connection	2C
	Lower, Back connection	2E
	Panel/Front flange mounting, Lower Back connection	2F
	Panel/bracket mounting, Lower Back connection	2G
4. PROCESS CONNECTION	¼" BSP (M)	2BM
	¼" NPT (M)	2NM
	3/8" BSP (M)	3BM
	½" BSP (M)	4BM
	M20 X 1.5 mm (M)	4MM
	½" NPT (M)	4NM
	1/8" BSP (M)	1BM
	Other thread size and standards available on request.[1]	
5. INGRESS PROCESS	IP 54	IP1
6. EXECUTION	Dry	E1
	Dampening liquid filled, glycerine	E4
	(0…100 mbar up to 0…600 mbar or equivalent)	

7. OTHER OPTIONS					
Case & Ring in AISI 316 SS (1A)	AA	Case & Ring in AISI 316 SS (2G)	AM	Material test certificate 2.2	SM
Case & Ring in AISI 316 SS (1B)	AB	Dampening screw, AISI 316 SS	DN	Certification for Oxygen service	SO
Case & Ring in AISI 316 SS (1C)	AC	Plexi glass	FB	SS tag plate, AISI 304 SS	WF
Case & Ring in AISI 316 SS (1D)	AD	Shatterproof safety glass	FC	SS tag plate, AISI 316 SS	WG
Case & Ring in AISI 316 SS (2A)	AG	AISI 316 SS movement	FL	Custom designed dial	WR
Case & Ring in AISI 316 SS (2C)	AI	Vent plug, ON-OFF type	QW	Dial tag marking	WT
Case & Ring in AISI 316 SS (2E)	AK	5 - point calibration certificate	SA		
Case & Ring in AISI 316 SS (2F)	AL	Material test certificate 3.1	SC		

Ordering Example : MP20 - D - XXX - 1A - 4NM - IP1 - E1

1. For other connections, please contact factory.
2. Case & Ring in AISI 316 SS from DN100 onwards.
3. DN63 available in mounting pattern 1A and 2A.
4. DN63 available with ¼" connections. Other connections through adaptors.

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