

FEATURES

- Laser welded diaphragm
- Optional electric contacts
- Optional transmitter output
- Filled version

APPLICATION

- Dairy, Ice cream industries
- Pharmaceutical industries
- Sterilization applications

Diaphragm Seal



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
Dial	: Aluminum, black graduation on white background
Pointer	: Micro-zero adjustable, aluminum, black powder coated
Gaskets & filling plug	: Silicon Rubber gasket & Neoprene filling plug
Window	: Plexi glass

STANDARD SPECIFICATIONS

Dial size	: DN100
Range	: 0...160 bar [B21], 0...250 bar [B24], 0...400 bar [B27], 0...600 bar [B29]
Mounting pattern	: Direct, Bottom connection
Process connection	: With mounting flange
Seal filling fluid	: Food grade oil
Ingress protection	: IP 65
Execution	: Dampening liquid filled, glycerine

STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED

Window	: Acrylic glass dome
Switch type	: Normally open; Make contact (1NO)
Execution	: Dampening liquid filled, dielectric oil

TEMPERATURE EFFECT

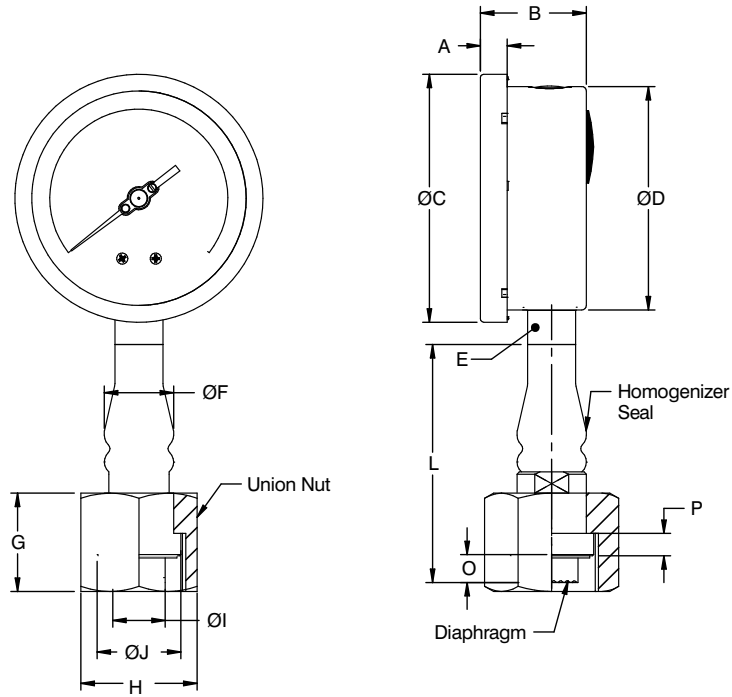
When temperature of the measuring system deviates from reference temperature (+20°C) max error $\pm 0.4\%$ / 10K of true scale value.

REFERENCE

EN 837-1

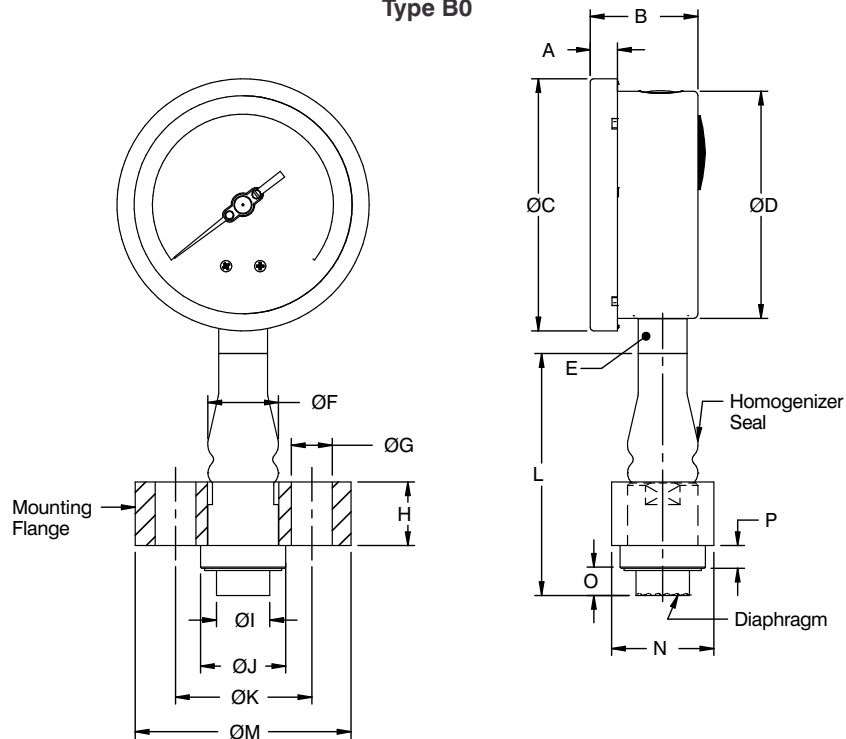
DIMENSIONAL DRAWING

Type B0



DN	A	B	ØC	ØD	E	F	G	H	I	J	L	O	P	Weight (grams)
100	12	48	111	100	SQ.22	31	44	A/F 50	23.5	37.5	106.5	11	11	1761

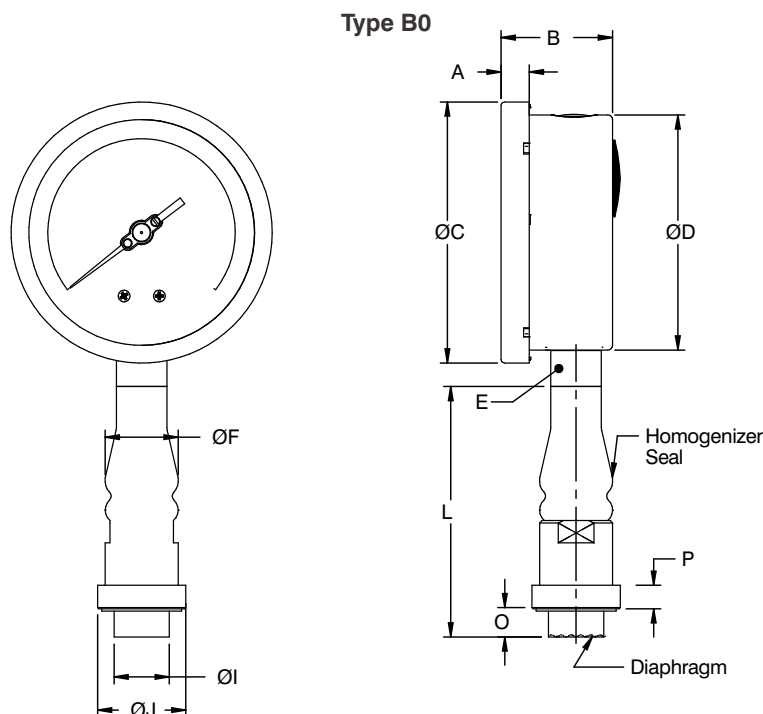
Type B0



DN	A	B	ØC	ØD	E	ØF	G	H	I	J	K	L	M	N	O	P	Weight (grams)
100	12	48	111	100	SQ.22	31	18	28	23.5	37.5	60	106.5	95	45	11	11	1688

All dimensions are in mm.

DIMENSIONAL DRAWING



DN	A	B	ØC	ØD	E	F	I	J	L	O	P	Weight (grams)
100	12	48	111	100	SQ.22	31	23.5	37.5	106.5	11	11	1295

All dimensions are in mm.

ORDERING CODES

1. DIAL SIZE

04	100 mm / 4"
25	25 mm / 2.5"

04

2. RANGE

XXX	Refer "Range Table"
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XXX

3. MOUNTING PATTERN

B0	Direct, Bottom connection
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B0

4. PROCESS CONNECTION

T96	With mounting flange
T97	Without mounting flange
09B	1 1/4" BSP (F) Union Nut

T96

5. INGRESS PROTECTION

ER	IP 65
ES	IP 66
ET	IP 67

ER

6. EXECUTION

EB	Dry but fillable, glycerine
EG	Dampening liquid filled, glycerine
EK	Dampening liquid filled, dielectric oil ²

EB

7. OTHER OPTIONS

TA	5 - point calibration certificate
XR	Custom designed dial
XT	Dial tag marking
TC	Material test certificate 3.1
TM	Material test certificate 2.2
XG	SS tag plate, AISI 316 SS
XF	SS tag plate, AISI 304 SS
GW	Maximum reading pointer
RA	Rubber parts, Viton
RN	Rubber parts, NBR

XX

Ordering Example : P702-04-XXX-B0-T96-ER-EB

NOTES

- For other connections, please contact factory.
- Rubber parts shall be in Viton.