HIGH SAFETY PRESSURE GAUGE

P204

FEATURES

- Solid front with full blow back
- All stainless steel system
- Dry / liquid filled
- Light weight
- Stabilized accuracy

APPLICATION

- Oil & Gas applications
- High pressure applications
- Corrosive & Hazardous environments

REFERENCE

ANSI B 40.100

Turret Design

STANDARD PARAMETERS

Accuracy	:	Grade 2A (± 0.5%)
Ambient temperature	:	-20…+65°C (without dampening liquid)
	:	10…+65°C (with dampening liquid, glycerin)
Service temperature	:	120°C max.
Pressure limits	:	Steady pressure up to FS value
	:	Fluctuating pressure up to 90% of FS value
	:	Short time 1.3 x FS value for range up to 100 bar
	:	Short time 1.15 x FS value for range above 100 bar
Weld joints	:	TIG argon arc welding

MATERIAL OF CONSTRUCTION

Sensing element	:	Bourdon Tube (<100 bar : C - type , >100 bar : Helical)
Case & Ring material	:	Phenolic resin
Bourdon tube & Shank	:	AISI 316L SS
Movement mechanism	:	AISI 304 SS
Dial	:	Aluminum, black graduation on white background
Pointer	:	Micro-zero adjustable, aluminum, black powder coated
Gaskets & filling plug	:	Neoprene / NBR
Blow off disc	:	Phenolic resin
Window	:	Shatterproof safety glass

STANDARD SPECIFICATIONS

Dial size	:	4.5”
Range	:	-1...0...1,600 bar
Mounting pattern	:	Direct, Bottom connection
Process connection	:	½" NPT (M) / ½" BSP (M)
Ingress protection	:	IP 65
Execution	:	Dry but fillable

STANDARD SPECIFICATIONS : DAMPENING LIQUID FILLED, GLYCERIN

Window	:	Shatterproof safety glass
Dampening liquid	:	Glycerin 99.7% [Service temperature up to 65°C]

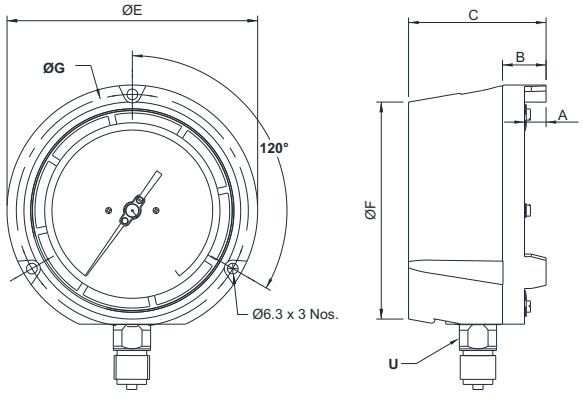
TEMPERATURE EFFECT

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

P204 HIGH SAFETY PRESSURE GAUGE

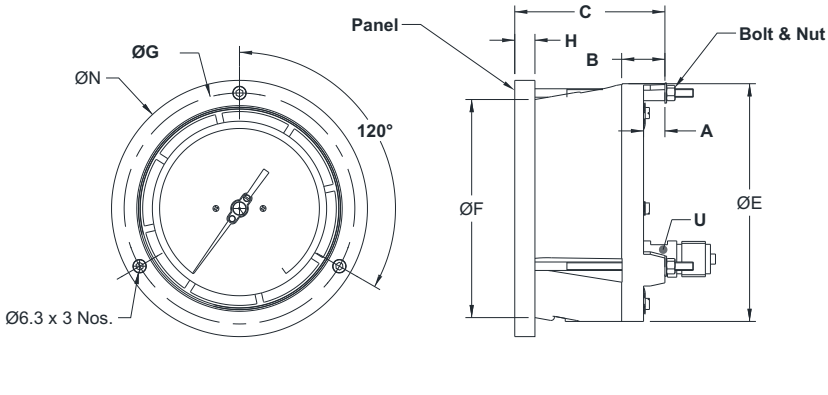
DIMENSIONAL DRAWING

Type B0, B1



DN	A	B	C	ØE	ØF	G	U	Weight (grams)
115	12.5	26	82	149	129	137	A/F-22	828

Type L1



DN	A	B	C	ØE	ØF	G	H	ØN	U	Weight (grams)
115	12.5	26	82	149	129	137	12	152	A/F-17	933

All dimensions are in mm.

ORDERING CODES

1. DIAL SIZE — 45

45 4.5"

2. RANGE — XXX

XXX Refer "Range Table"

3. MOUNTING PATTERN — B0

B0 Direct, Bottom connection
B1 Wall/Surface/Projection mounting, Bottom connection
L1 Panel/Front flange mounting, Lower back connection

4. PROCESS CONNECTION — 14N

12B ¼" BSP (M)
12N ¼" NPT (M)
13B 3/8" BSP (M)
14B ½" BSP (M)
14M M20 X 1.5 mm (M)
14N ½" NPT (M)
13N 3/8" NPT (M)

5. INGRESS PROTECTION — ER

ER IP 65
ES IP 66
ET IP 67

6. EXECUTION — EB

EB Dry but fillable
EG Dampening liquid filled, glycerine

7. OTHER OPTIONS — XX

EM Dampening screw, Monel
EN Dampening screw, AISI 316 SS
EX Internal overload stop
EY Internal vacuum stop
EZ Pointer stop on dial
GB Plexi glass
GL AISI 316 SS movement
GM Dampened movement
MN Monel wetted parts
R9 Receiver range
TA 5 - point calibration certificate
TC Material test certificate 3.1
TM Material test certificate 2.2
TN Tested to NACE standards
TO Certification for Oxygen service
TP Performance test
TT C.C. with NABL traceability
XF SS tag plate, AISI 304 SS
XG SS tag plate, AISI 316 SS
XR Custom designed dial
XT Dial tag marking
XB Accuracy ± 1.0% of FS

Ordering Example : P204-45-XXX-B0-14N-ER-EB

NOTES
1. For other connections, please contact factory
2. C.C = Calibration Certificate

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