



Description

Capsule Diaphragm Pressure Gauges are designed for accurate measurements of low-pressure ranges. They have various case designs and process connections for different industrial applications.

A modular capsule diaphragm made of AISI 316L is the pressure sensing element of those pressure gauges. Therefore, capsule diaphragm pressure gauges are compatible with process fluids that do not wear AISI 316L material. Under relative or vacuum pressure, the amount of capsule diaphragm's expansion or contraction is proportional to the applied pressure and this is directly transferred to the movement of the pressure gauge.

Industrial Applications

Medical applications, heat engineering environmental technology, lab technology, filter monitoring,

General Specifications

Conformity:

EN 837-3

Sizes (mm):

Ø100, Ø160

Unit:

mbar

Measurement Ranges:

Ø100: -1000/0, 0/25...1000 mbar

Ø160: -1000/0, 0/6...1000 mbar

and equivalent compound gauges

Accuracy Class:

Cl. 1.6

Working Pressure:

75% of Full Scale

Overpressure Resistance:

1.25xFull Scale

Ingress Protection Rate:

IP41

Versions:

Standard

Working Temperature Range:

Ambient: -20...60°C

Process: Max. 100°C

Storage: -40...70°C

Process Connections:

G1/2"B

Materials:**Capsule Diaphragm:**

1.4571

Socket:

AISI 316L

Case:

AISI 316L

Cover:

AISI 316L

Movement:

Stainless Steel

Window:

Glass

Dial:

Aluminium

Pointer:

Aluminium

Options:

Other Process Connections

Other Pressure Units

Special Dial Design

Nitrogen (N) Dial

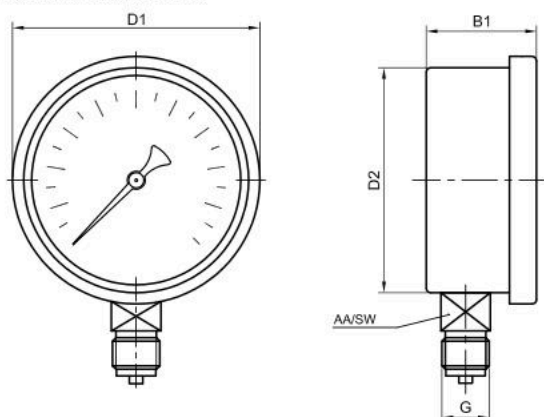
Oxygen (O) Dial

Argon (Ar) Dial

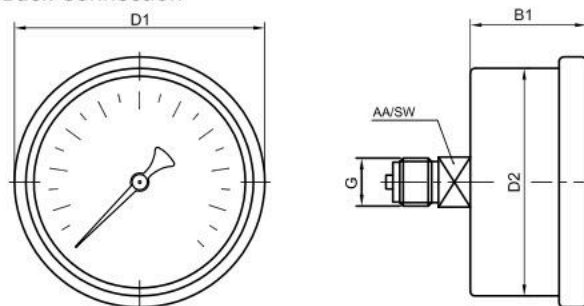
Ammonia(NH3) Dial

Dimensions (mm)

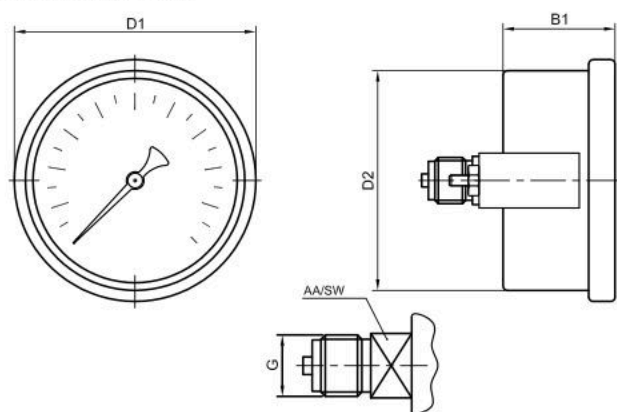
01-Bottom Connection



02-Back Connection

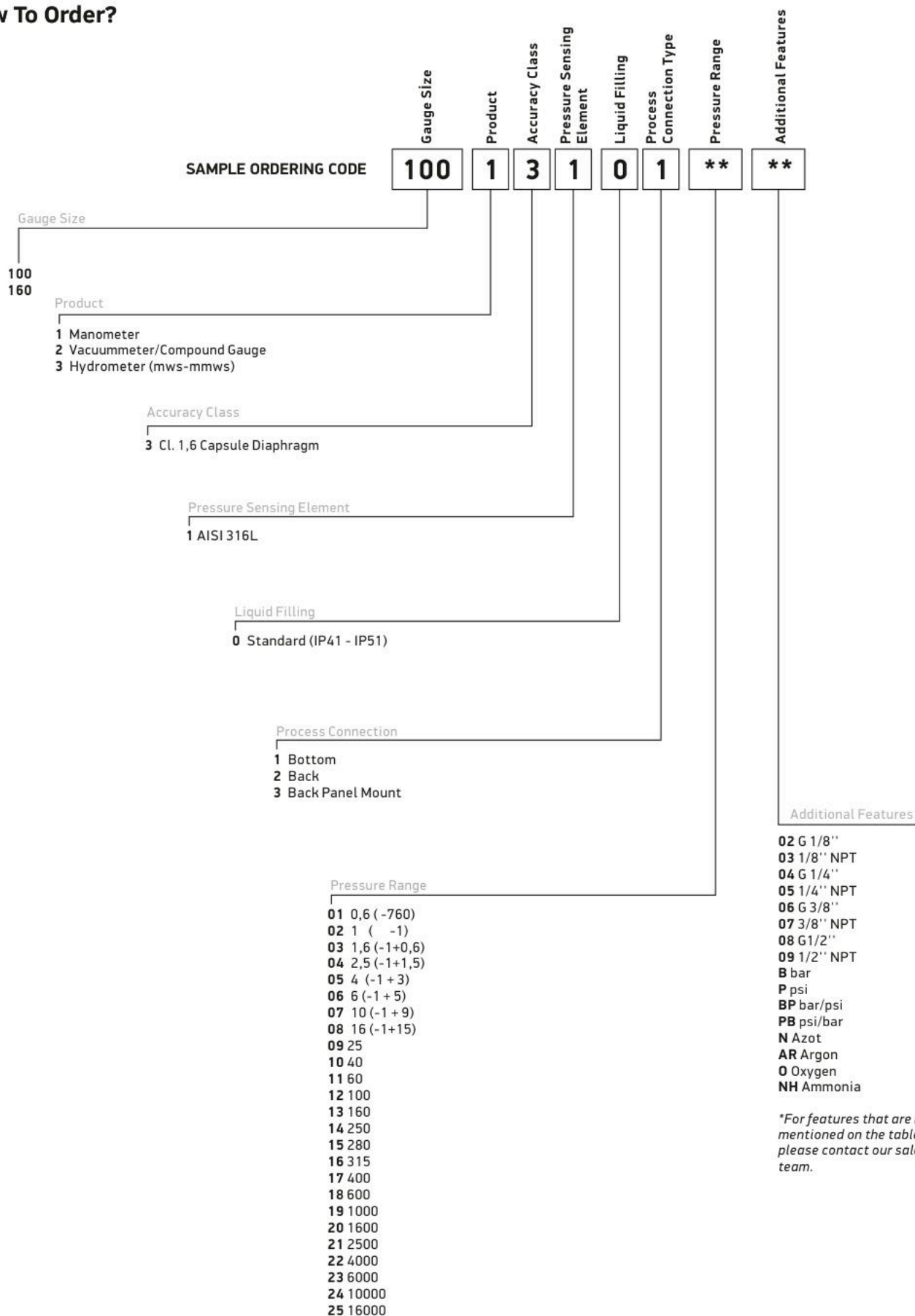


04-Back Panel Mount



Ø	Connections	Version	Case	Window	Cover	D1	D2	B1	G	AA/SW
Ø100	Bottom	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Back	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
	Back Panel Mount	Standard	Metal	Glass	Metal	110	100	48	G1/2"	22
Ø160	Bottom	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Back	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22
	Back Panel Mount	Standard	Metal	Glass	Metal	174	158	48	G1/2"	22

How To Order?



Approvals:



Turkish Standards Institution



ISO 9001 Quality Management System



TURKAK Calibration Laboratory Accreditation Certificate



2014/68/EU Pressure Equipment Directive - Certificate of Conformity



Gost Certificate

*System and quality certifications of PAKKENS Inc.
Product and product group certifications may vary*