



112ABB63



112ABL63



112ABL100

Application

- ✔ Hydraulic systems, pumps and presses
- ✔ Measuring needs with sudden or dynamic pressure changes
- ✔ Vibrating machineries, diesel engines
- ✘ Do not use directly for medias that are viscous, crystallizing and corroding copper alloy.

Special Features

- ✔ Re-calibratable and re-adjustable
- ✔ Reasonable price for a distinguished quality
- ✔ No leakage guaranteed
- ✔ High quality spare parts

ZEDEYES oil-filled pressure gauges are designed for plants and machinery with pulsating pressures or mechanical vibrations. Liquid filling dampens vibration and helps protect the pressure gauge mechanism.

Model 112AB is designed to reduce the effect of shock and vibration in demanding applications.

As the pressure element and connection are copper alloy, media compatibility and clogging must be considered.

The 112AB uses a matte stainless-steel case with an outside bayonet bezel and a strong construction.

Its special case design allows convenient panel installation using clamps.

ZEDEYES pressure gauges use geometrically balanced dial designs for clear, convenient reading.

Default Specification

Design	Nominal sizes in mm
EN 837-1	63, 100
Process Connection	
Brass NS 63: G ¼ NS 100: G ½ (bottom connection and center back connection)	Bottom connection: 112ABL Center back connection: 112ABB
Temperature Effect	Pressure Limitations
$\pm 0.04 \times (t_2 - t_1) \% \text{ of the span}$ t_1 is the Reference temperature in degrees celsius. t_2 is the Ambient temperature in degrees celsius.	Steady: 75% of full scale Fluctuating: 65% of full scale Over-Pressure: 100% of full scale
Scale Range	Permissible Temperature
NS 63: 0...1 bar to 700 bar NS 100: 0...0.6 bar to 700 bar Vacuum & compound ranges	Ambient: -20...+60 °C Medium: +65 °C Maximum
Pointer	Pressure Element
Aluminum, Black Micro-adjustable pointer for 100mm	Copper alloy C-type for ≤ 60bar Helical for > 60bar
Filling oil	
Glycerin	
Pressure units	Accuracy
bar/psi	1.6% of full scale
Window	Dial
Instrument Glass	Aluminum
Case	Movement
Matte SS304 (Outside bayonet)	Copper alloy

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■ Unique outside bayonet bezel



■ SS304 screws to hold inside mechanism



■ Restrictor dampener screw

■ 0.8 mm Thickness
■ Instru-Seal to guarantee leakproofness



■ Open/Close oil cap for air compensation in pressure ranges ≤ 0...16 bar

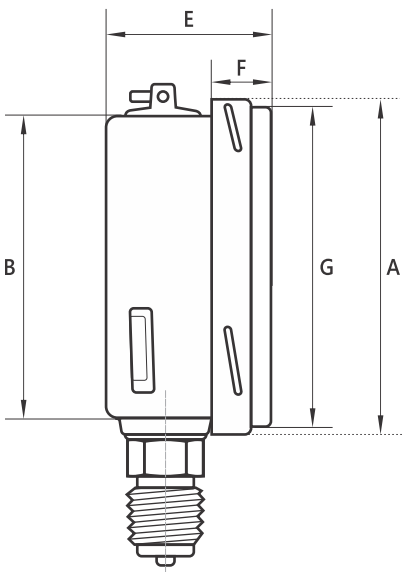
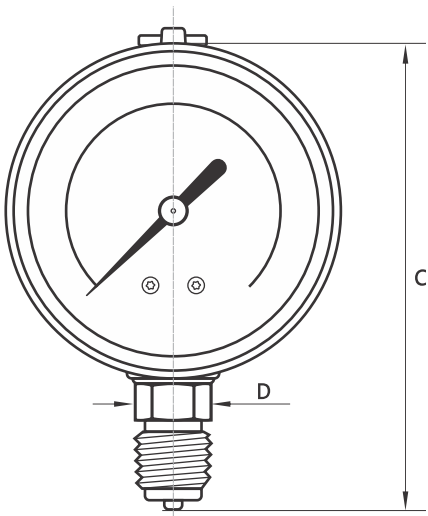
Options

- ☞ Silicon oil or not filled with oil

☞ Dial design as per request
- ☞ Requested process connections other than stated in the table

Dimensions (in mm)

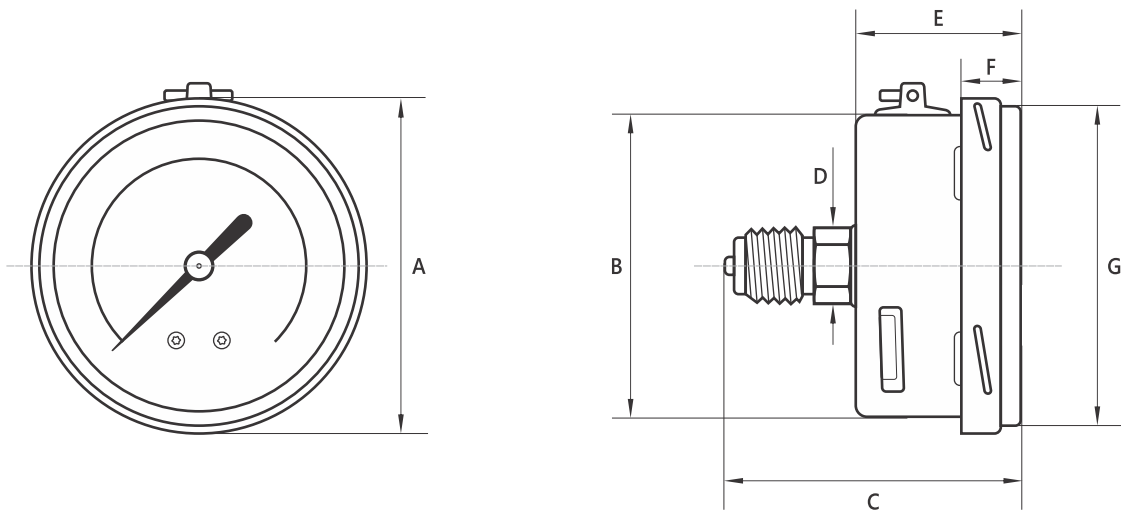
■ *DS 63, 100 Bottom Connection*



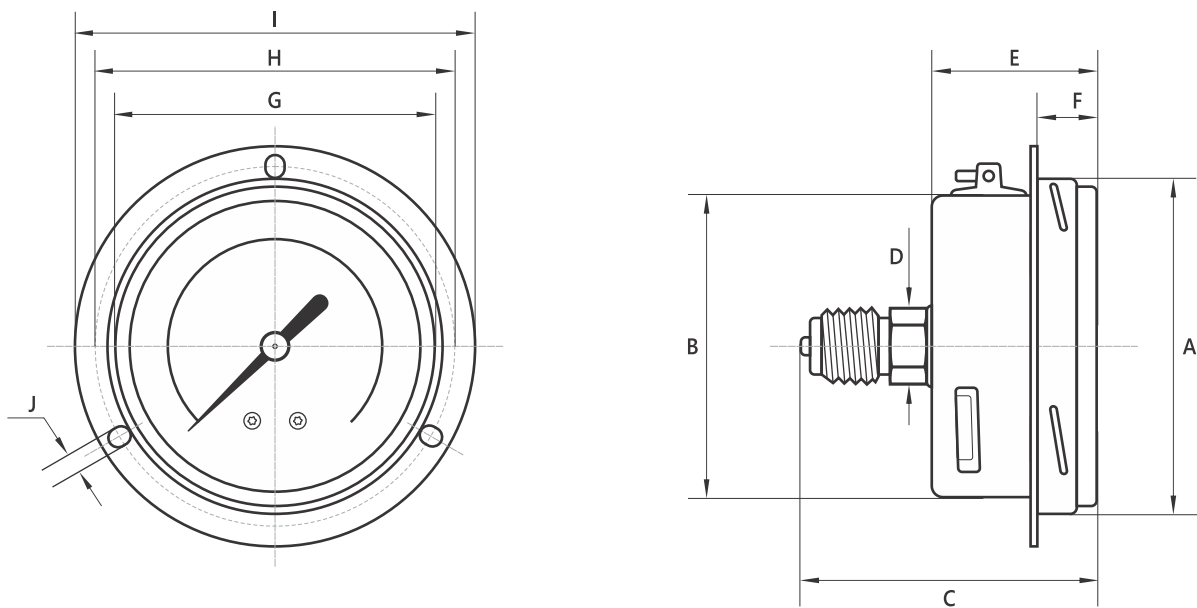
112ABL

Nominal Size	A	B	C	D	E	F	G	KG
63	69.3	62	92	14	33.5	12.2	67	0.24
100	108.6	99	139	22	42	15	105.8	0.63

■ *DS 63, 100 Center Back Connection*



■ *DS 63, 100 Center Back Connection with Front Flange*



112ABB

Nominal Size	A	B	C	D	E	F	G	H	I	J	KG
63	69.3	62	61	14	34	12.5	67	78	87.5	4.6 x 6.5	0.25
100	109	99	78.5	22	42	15	106	115	132.2	5.5 x 8	0.65

Thread Type	Code
NPT	N
BSPP (G)	B
BSPT	Z
Metric	M

Thread Size	Code
1/4	4
1/2	2
3/8	3
1/8	8
for metric sizes write the number	M20×1.5

How To Order

	Product Group Name	Model	Mounting	Nominal Size	Thread Type	Thread size	Scale Range	Options
Example:	Oil filled Pressure Gauge	112AB	L	63	B	4	0...16bar-psi	-

Or simply order by item number on the basis of your previous purchases.

