



Application

- ✓ Harsh ambience
- ✓ Chemical and petrochemical processing industries
- ✓ Power plants, offshore sites, ships and food industry
- ✓ Severe operating conditions
- ✓ Couple with diaphragm seals
- ✗ Do not use directly for medias that are viscous or crystallizing

Special Features

- ✓ Proved accuracy, stability and repeatability
- ✓ Shock resistant and durable
- ✓ IP65
- ✓ Reasonable price for a distinguished quality

Description

ZEDEYES 113AA full stainless-steel pressure gauges are supplied with a micro-adjustable pointer, safety glass and a blow-out disc. Each gauge undergoes cycle, vibration, overpressure and helium leakage testing as part of the production process.

Its selected materials and heavy-duty construction make Model 113AA suitable for a wide range of industries, from pharmaceutical applications to petrochemical service.

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

Default Specification

Design	Nominal sizes in mm
EN 837-1	63, 100, 160, 250
Temperature Effect	Process Connection
$\pm 0.035 \times (t_2 - t_1) \%$ of the span t_1 is the Reference temperature in degrees celsius. t_2 is the Ambient temperature in degrees celsius.	As standard version NS 63: SS316 1/4 NPT (bottom connection & center back connection) As standard version NS 100, 160, 250: SS316L 1/2 NPT (bottom connection & lower back connection)
Pressure Limitations	
NS 63 Steady: 80% of full scale Fluctuating: 65% of full scale Over-Pressure: 100% of full scale	NS 100, 160, 250 (Heavy duty) Steady: 100% of full scale Fluctuating: 90% of full scale Over-Pressure: 130% of full scale
Scale Range	Permissible Temperature
NS 63: 0...1 bar to 1000 bar NS 100, 160, 250: 0...0.6 bar to 1600 bar Vacuum & compound ranges	Ambient: -20...+60 °C Medium: +190 °C Maximum for dry version 95 °C Maximum for oil filled version
Pressure units	Pressure Element
bar/psi (other pressure units available on request)	NS 63: SS316 NS 100, 160, 250: SS316L C-type for ≤ 60bar Helical for > 60bar
Pointer	Accuracy
Aluminum, Black Micro-Adjustable Pointer	NS 63: 1.6% of full scale NS 100, 160, 250: 1% of full scale
Window	Dial
Safety Glass	Aluminum
Case	Movement
Matte SS304	Stainless Steel

113AAX63



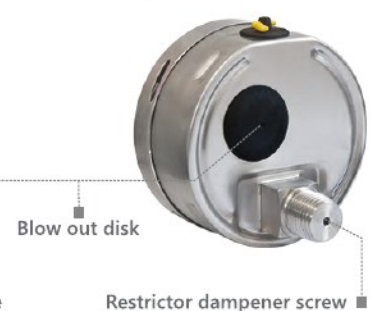
113AAZ100



113AAB160



113AAB100

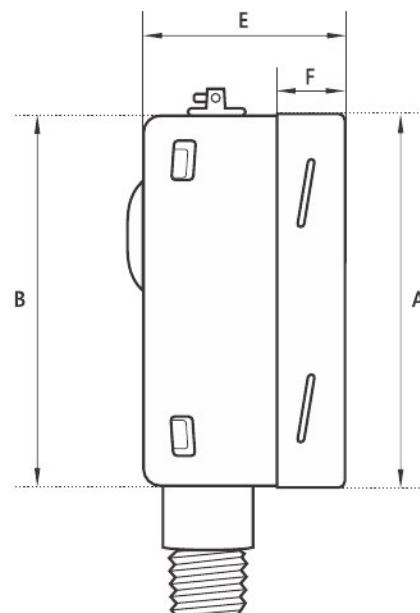
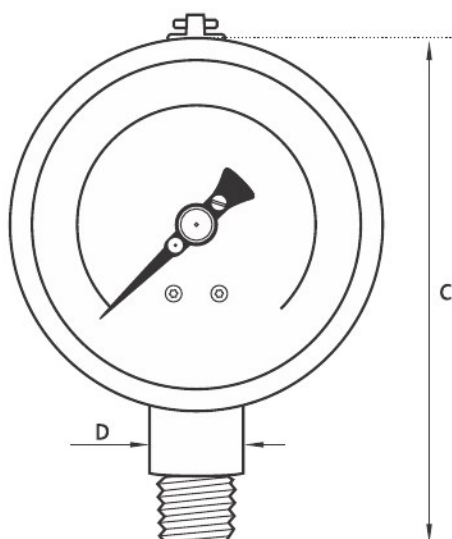


Options

- ✓ Filled with glycerin or silicon oil
- ✓ Different oil caps available
- ✓ SS316 or Monel process connection and bourdon tube
- ✓ Excellent TIG welding available for case and connection
- ✓ Requested process connections other than stated in the table
- ✓ Refrigeration Scale design
- ✓ To be combined with InstruMate diaphragm seals

Dimensions (in mm)

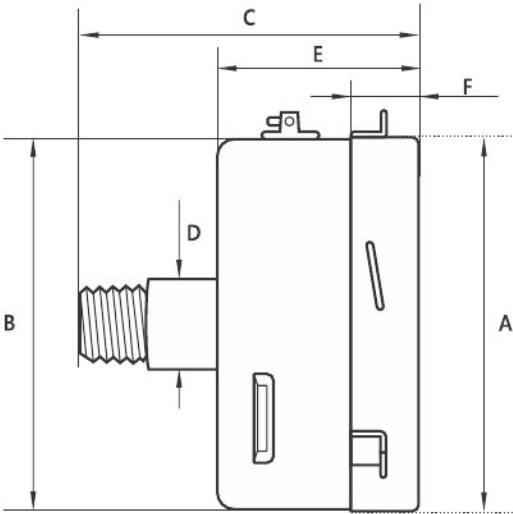
Bottom Connection



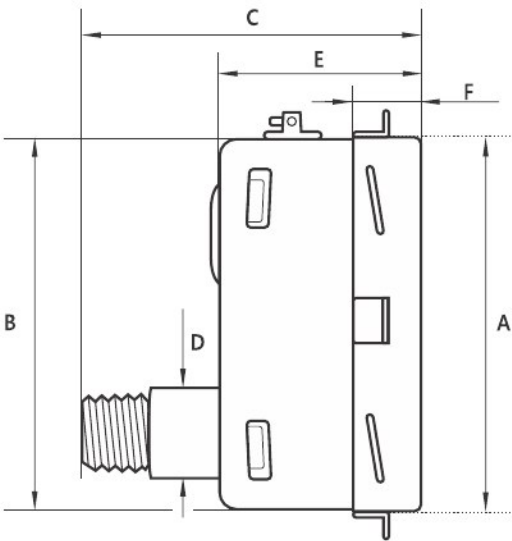
113AAL

Nominal Size	A	B	C	D	E	F	KG
63	63.5	62	85	14	34	12.5	0.16
100	100.5	99	133	22	86	17	0.543
160	160.5	158.5	193.5	22	86	17.5	1.003
250	250	245	292	22	50	18	1.918

■ *DS 63 Center Back Connection*



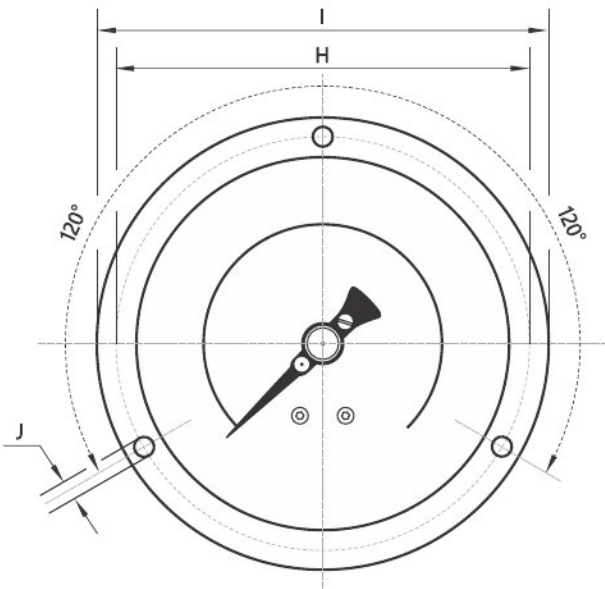
■ *DS 100,160, 250 Lower Back Connection*



113AAB

Nominal Size	A	B	C	D	E	F	KG
63	63.5	62	57	14	34	12.5	0.163
100	100.5	99	86	22	49	17	0.505
160	160.5	158.5	86	22	49	17.5	0.883

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



113AAX

Nominal Size	H	I	J
63	75	85	3.6 x 3.6
100	117	132	4.8 x 4.8

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
<i>E.g.</i>	DIN Type Stainless Steel Gauge	113AA	L	100	N	2	0...25bar-psi	Filled with glycerin oil

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

