

45ND Series



Minimum/Maximum Temperature Limits

Ambient	Process	Storage
20 °F to 150 °F (-7 °C to 66 °C)	20 °F to 150 °F (-7 °C to 66 °C)	0 °F to 150 °F (-18 °C to 66 °C)

Operating Pressure Range:

75% of Scale Value

Over Pressure Limit:

150% of Max. Scale Value

Case:

Phenolic,
Solid Front Design

Lens:

Acrylic

Joints:

Tig Argon Arc Welding

Socket:

Refer to 500ND or
200ND

Dial:

Aluminum

Pointer:

Micro Zero Adjustable

Window:

Safety Glass

Gasket:

Viton

Range:

Vacuum to 10,000 psi

Features

- 4 1/2" dial size
- Standard followed ASME-B.40.1
- 1/2% full scale accuracy per ASME B40.1 Grade 2A
- Available dry
- Solid front fiberglass reinforced thermoplastic case
- Helium Leak Tested
- Built in Stabilizer Movement
- Ready For Oxygen Use
- Internal Vacuum/Over Pressure Stops
- IP 66

500ND

Bourdon: AISI 316L

Movement: AISI 304

- 1/4" or 1/2" NPT bottom connection
- Heavy duty stainless steel movement with underload and overload stops
- Balanced micrometer adjustable pointer

200ND

Bourdon: Brass

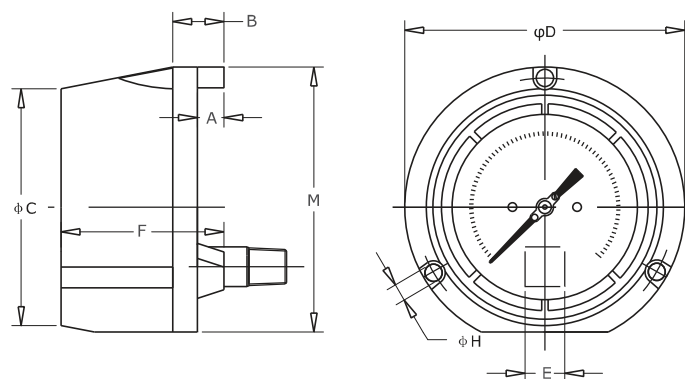
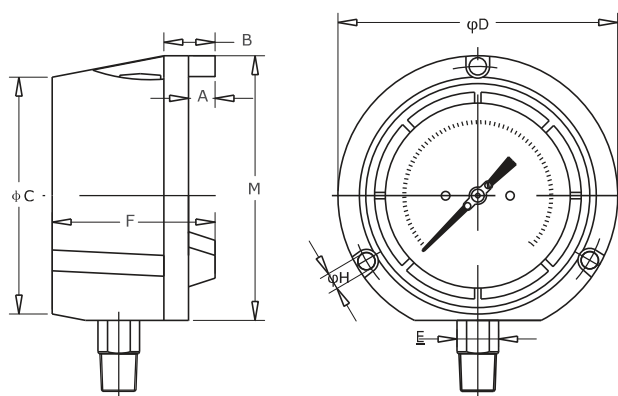
Movement: Brass

- 1/4" or 1/2" NPT bottom connection
- Balanced micrometer adjustable pointer

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Accuracy(as per ASME B.40.1/EN837-1)

4.5" 0.5-0.5-0.5 Grade 2A



NS	A	B	φC	φD	E	F	φG	φH	M	Weight (lbs)
4.5"	0.6"	1.0"	5.1"	5.8"	0.87"	3.4"	5.4"	0.2"	5.6"	2.38

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Material

Code	Material
200ND	Brass
500ND	Stainless Steel

Dial

Code	Dial Size
45	45"

Connection

Code	Connection Size
02	1/4"
04	1/2"
Code	Connection Location
L	Bottom

Pressure Ranges

-30/0 PSI	0-15 PSI	0-1000 PSI
-30/30 PSI	0-30 PSI	0-1500 PSI
-30/60 PSI	0-60 PSI	0-2000 PSI
-30/100 PSI	0-100 PSI	0-3000 PSI
-30/150 PSI	0-160 PSI	0-4000 PSI
	0-200 PSI	0-5000 PSI
	0-300 PSI	0-6000 PSI
	0-400 PSI	0-10000 PSI
	0-600 PSI	

Optional Extras

SG Oxygen Service (For Dry Version)	ZD Ammonia Range (With Temperature Scale)	(AISI 316ss)
TI Monel Bourdon & Socket (Monel Version)	SW Dial Tag Marking	FL Integral Dampening Screw (Monel)
TF Certified and Test to NIST standards	RW Plexiglass	FS Fillable Liquid Silicon Oil
TB Helium Leak Test	RX Shatterproof/Safety Glass	FG Fillable Liquid Glycerine
SF Movement With Dampening Jelly	RZ Toughened Glass	ZZ Dielectric Oil Filled
SI Knife Edge Pointer	SY Aisi 316ss Tag Plate	PX Dampening Liquid Flourolube Filled
RG Anti Parallax Mirror Band Dial	SJ Maximum Reading Pointer With Plexiglass Fillable Version	PY Dampening Liquid Glycerine Oil Filled
RH Custom Designed Dial	SX Ss Tag Plate	PZ Dampening Liquid Mineral Liquid Filled
ZB Receiver Range	SA Internal Overpressure Stop	QA Dampening Liquid Silicon Oil Filled
AT Atex (As Per 2014/34/Eu)	SB Internal Vacuum Stop	GH Traceable to NIST Standards
ZC Freon Range (With Temperature Scale)	ZL Over Range Protection	
	QB Integral Dampening Screw	

How to Order

Example Product #: **45 500ND 04 L 0-30PSI-RH**

Dial Size Code	Series	Connection Size	Connection Location	Pressure Range	Optional Extra
45	500ND	04	L	0-30 PSI	RH