

Dial Indicating Pressure Gauges

Brass Case Liquid Filled



300 SERIES

- High quality liquid filled gauges designed for durability, accuracy and long life
- Pressure ranges from vacuum through 15,000 psi
- 2-1/2 and 4 inch sizes – bottom or back connected
- Heavy one-piece die casting integrates the case, connection, movement and bourdon tube support into a solid unit to eliminate leakage
- Glycerine fill greatly reduces effects of vibration, pulsation and shock
- Dials are printed with bold UV resistant ink for ease of readability even after years of exposure to direct sunlight
- Stock availability

OPERATING SPECIFICATIONS

1. Working Pressure Limitations

a. Dynamic Pressure

The working pressure should be limited to 60% of the dial range for long service life.

b. Static Pressure

The working pressure, where no sharp fluctuations occur, should be limited to 90% of the dial range

2. Ambient Temperature

0°F to 160°F (-18°C to 71°C)

Please contact us for assistance in selecting the best fill for your application.

3. Media Temperature

-4°F to 140°F (-20°C to 60°C)

Optional temperature ratings available from -40°F to 212°F (-40°C to 100°C)

APPLICATIONS

- Used in demanding applications that are not corrosive to brass, where vibration and pulsation are present

ACCURACY

- 2-1/2 Inch 300 Series Gauges: $\pm 1.5\%$
- 4 Inch 300 Series Gauges: $\pm 1.0\%$

	MODELS	SPECIFICATIONS
Case	25-300, 25-310, 40-300, 40-310	Die cast brass – Natural brass finish
Cover Ring	25-300, 25-310, 40-300, 40-310	Polished brass
Lens	25-300, 25-310, 40-300, 40-310	Molded Plexiglass™ with O-Ring seal
Bourdon Tube	25-300, 25-310, 40-300, 40-310 (up to 600 psi)	Phosphor bronze "C" tube
	25-300, 25-310, 40-300, 40-310 (greater than 600 psi)	Coiled safety tube
Connection	25-300, 25-310	1/4" NPT die cast with the case. 7/16" – 20 SAE adjustable type straight thread with Viton O-Ring is also available as a stock option on many ranges (-4 SAE).
	40-300, 40-310	1/4" NPT die cast with the case. 1/2" NPT is available on certain 40-300 ranges as a stock option, and on all other 40-300 and 40-310's as a non-stock option.
Movement	25-300, 25-310, 40-300, 40-310	Brass and Nickel-Silver with highly polished bearing surfaces
Safety Protection	25-300, 25-310, 40-300, 40-310	Safety relief disc on the top of the case
Accuracy	25-300, 25-310	$\pm 1.5\%$ Full Scale ASME grade A
	40-300, 40-310	$\pm 1\%$ Full Scale ASME grade 1A
Pointer	25-300, 25-310, 40-300, 40-310	Balanced aluminum, black finish
Dial	25-300, 25-310, 40-300, 40-310	Aluminum, white background with black markings. Single scale psi is standard. psi/bar, psi/kPa, or psi/Kg/cm ² dual scale are available as stock options. On dual scale dials, the outer scale is psi in black and the inner metric scale is red. UV resistant.
Fill Liquid	25-300, 25-310, 40-300, 40-310	Glycerine and water

For details on accuracy/standard dial configuration and dial layouts, see pages 74-78

ORDERING INFORMATION								
SERIES	300							
SIZE	25	2-1/2 Inch	40	4 Inch				
CASE TYPE	300	Brass, Bottom Connection	310	Brass, Back Connection				
PRESSURE RANGES	30 " Vac	-30 inHg to 0	30/300	-30 inHg to 0 to 300 psi	300	0 psi to 300 psi	3000	0 psi to 3000 psi
	30/15	-30 inHg to 0 to 15 psi	15	0 psi to 15 psi	400	0 psi to 400 psi	5000	0 psi to 5000 psi
	30/30	-30 inHg to 0 to 30 psi	30	0 psi to 30 psi	600	0 psi to 600 psi	6000	0 psi to 6000 psi
	30/60	-30 inHg to 0 to 60 psi	60	0 psi to 60 psi	800	0 psi to 800 psi	7500	0 psi to 7500 psi
	30/100	-30 inHg to 0 to 100 psi	100	0 psi to 100 psi	1000	0 psi to 1000 psi	10000	0 psi to 10000 psi
	30/160	-30 inHg to 0 to 160 psi	160	0 psi to 160 psi	1500	0 psi to 1500 psi	15000	0 psi to 15000 psi
	30/200	-30 inHg to 0 to 200 psi	200	0 psi to 200 psi	2000	0 psi to 2000 psi		
SCALE OPTION	psi	psi single scale	psi/kPa	psi/kPa dual scale	psi/kg/cm ²	psi/kg/cm ² dual scale	psi/bar	psi/bar dual scale
CONNECTION SIZE	1/4	1/4" NPT	1/2	1/2" NPT	SST	7/16-20 Adjustable		
OPTIONS	CFF	Chrome front flange	CCR	Chrome cover ring	SGO	Safety Glass overlay	BT3	Brass threaded orifice 0.3 mm
	BFF	Brass front flange	CB-U	Chrome bezel & u-clamp	AR	Adapter ring	BT4	Brass threaded orifice 0.4 mm
	BLFF	Black front flange	MIP	Maximum indicating pointer	LM	Laser marking	BT8	Brass threaded orifice 0.8 mm
	SSRF	304SS rear flange	LL	Lexan lens	ST	Stainless steel tagging	7/16-20	Straight thread available
	BRF	Brass rear flange	GLO	Glass lens overlay				

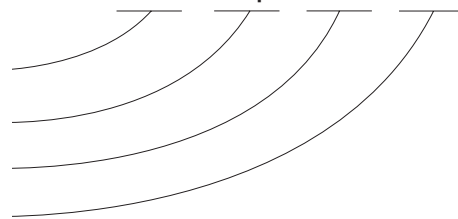
Please consult your local NOSHOK Distributor or NOSHOK, Inc. for availability and delivery information.

NOTE: Refer to 300 Series Options & Accessories chart on page 65 for availability by model number.

EXAMPLE

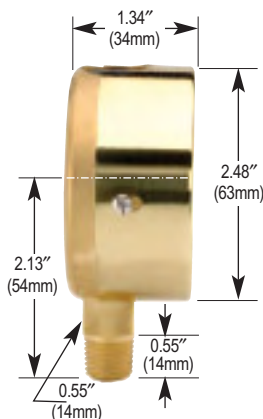
1. Select model number (size & case type)
2. Select pressure range & scale option
3. Select connection size (if more than one is offered)
4. Select any required accessory or option

40-300 - 3000 psi - 1/2" - BRF

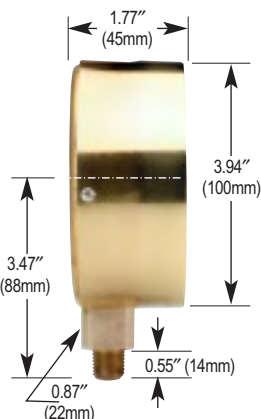


OUTLINE DIMENSIONS

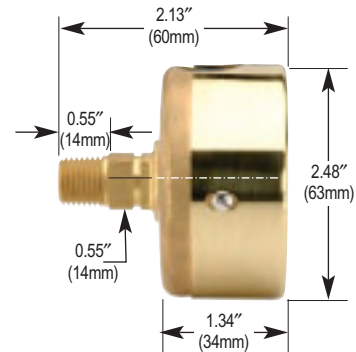
25-300



40-300



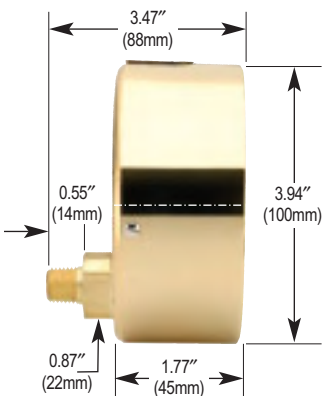
25-310



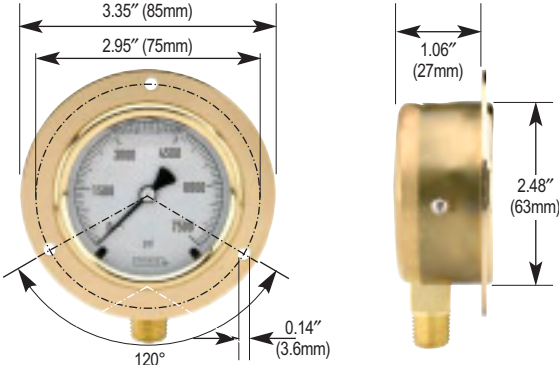
Dial Indicating Pressure Gauges

Dimensions

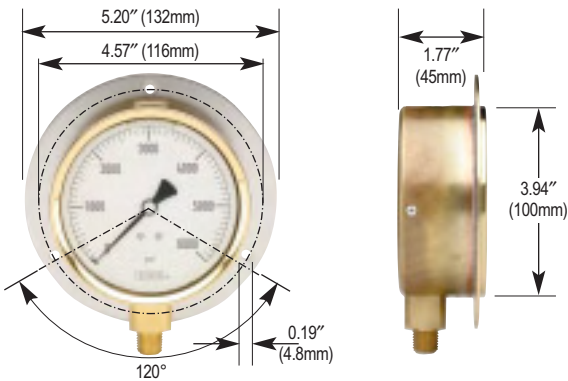
40-310



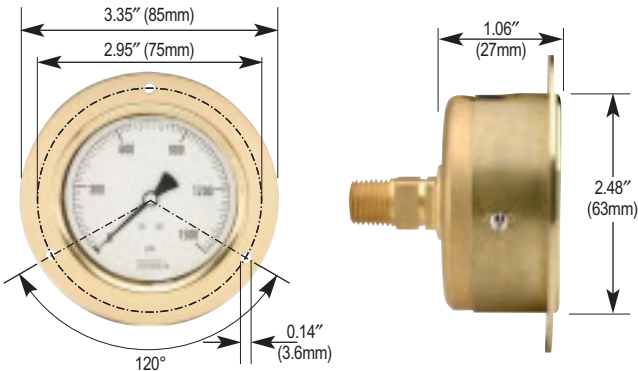
25-300 Front Flange



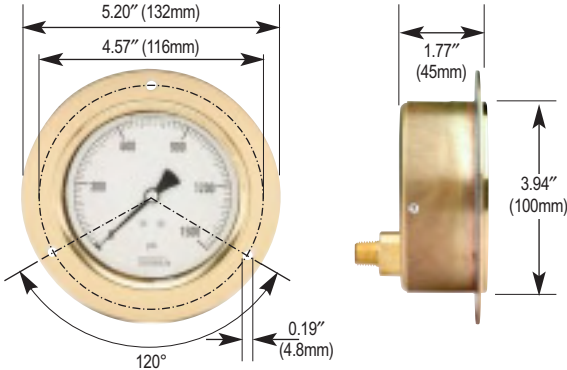
40-300 Front Flange



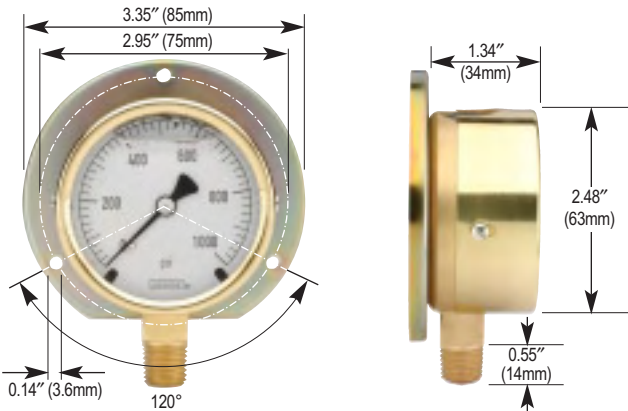
25-310 Front Flange



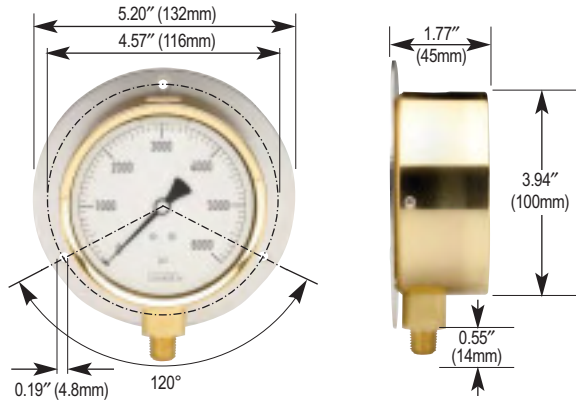
40-310 Front Flange



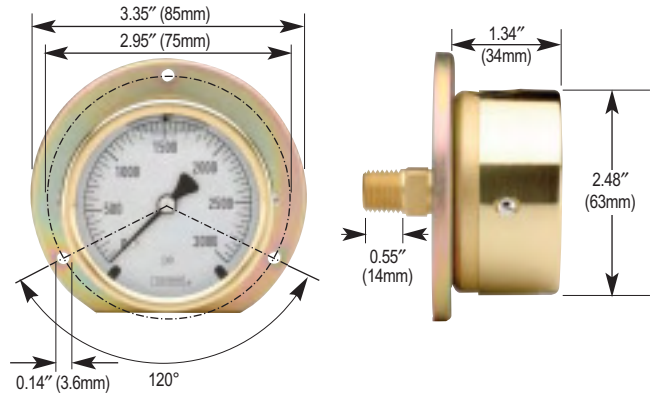
25-300 Rear Flange



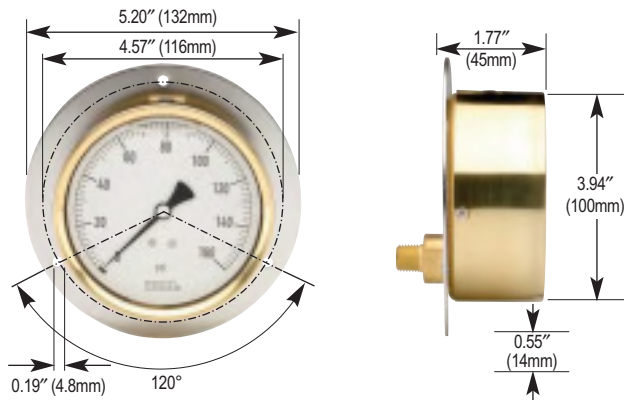
40-300 Rear Flange



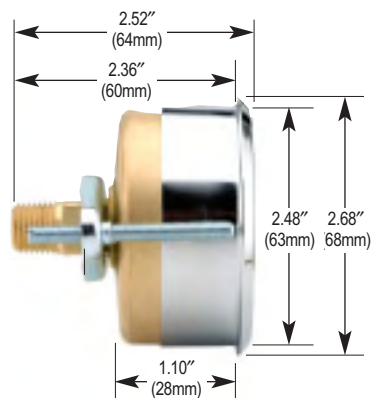
25-310 Rear Flange



40-310 Rear Flange



25-310 Chrome Triangular Bezel with U-Clamp



40-310 Chrome Triangular Bezel with U-Clamp

