

Dial Indicating Pressure Gauges

ABS & Stainless Steel Liquid Filled



900 SERIES

- Extremely high quality pressure gauges, liquid filled for extended service life and shock resistance
- Ranges available from vacuum to 15,000 psi
- 1-1/2, 2, 2-1/2, 4 inch sizes – bottom or back connected
- Lightweight shatter-resistant ABS case with Plexiglass™ lens for extra strength, or 304 stainless steel case with polycarbonate lens
- Unique o-ring case and connection seals guard against leakage and protect against shock and vibration
- Relief disc on top or back provides positive case relief
- Brass and copper alloy movement
- High grade Glycerine fill dampens the effects of pulsation, vibration and shock loads, and provides lubrication of the movement
- Volume oriented
- Stock availability

OPERATING SPECIFICATIONS

1. Working Pressure Limitations

a. Dynamic Pressure

The working pressure should be limited to 60% of the dial range

b. Static Pressure

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

2. Ambient Temperature

-4°F to 140°F (-20°C to 60°C) Glycerine Fill

-40°F to 140°F (-40°C to 60°C) Special Fill

3. Media Temperature

-4°F to 140°F (-20°C to 60°C) Glycerine Fill

-40°F to 140°F (-40°C to 60°C) Special Fill

APPLICATIONS

- Industrial applications where pulsation, vibration and shock are present

ACCURACY

- 1-1/2 and 2 inch 900 Series Gauges: $\pm 2.5\%$
- 2-1/2 inch 900 Series Gauges: $\pm 1.5\%$
- 4 inch 900 Series Gauges: $\pm 1.0\%$

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

	MODELS	SPECIFICATIONS
Case	15-910, 25-900, 25-910	ABS (Acryl Nitril Butadien Styrol)
	25-901, 25-911, 40-901, 40-911	304 Stainless steel
Bezel	25-901, 25-911, 40-901, 40-911	304 Stainless steel
Lens	15-910, 25-900, 25-910	Plexiglass™; ultrasonically welded to the case
	25-901, 25-911	Polycarbonate
	40-901, 40-911	Instrument glass
Bourdon Tube	15-910, 25-900, 25-910, 25-901, 25-911, 40-901, 40-911 (up to 600 psi)	Phosphor bronze "C" tube
	15-910, 25-900, 25-910, 25-901, 25-911, 40-901, 40-911 (greater than 600 psi)	Coiled safety tube
Connection	15-910	1/8" NPT brass
	25-900, 25-910, 25-901, 25-911, 40-901, 40-911	1/4" NPT brass
	40-901, 40-911	1/4" NPT brass or 1/2" NPT brass
Movement	15-910, 25-900, 25-910, 25-901, 25-911, 40-901, 40-911	Brass and nylon with highly polished bearing surfaces
Safety Protection	15-910, 25-900, 25-910	Safety relief disc on the back of the case
	25-901, 25-911, 40-901, 40-911	Safety relief disc on the top of the case
Accuracy	15-910, 20-901, 20-911	$\pm 2.5\%$ Full Scale ASME grade B
	25-900, 25-910, 25-901, 25-911	$\pm 1.5\%$ Full Scale ASME grade A
	40-901, 40-911	$\pm 1\%$ Full Scale ASME grade 1A
Pointer	15-910, 25-900, 25-910, 25-901, 25-911	Molded plastic
	40-901, 40-911	Balanced aluminum, black finish
Dial	15-910, 25-900, 25-910, 25-901, 25-911	Molded plastic, white background with black psi scale and red kPa scale. UV resistant
	40-901, 40-911	Aluminum, white background, dual scale psi – kPa. black psi scale and Red kPa scale. UV resistant
Fill Liquid	15-910, 25-900, 25-910, 25-901, 25-911, 40-901, 40-911	Glycerine and water

ORDERING INFORMATION									
SERIES	900								
SIZE	15	1-1/2"	20	2"	25	2-1/2"	40	4"	
CASE TYPE	900	ABS Case, Liquid Filled, Bottom Connection				910	ABS Case, Liquid Filled, Back Connection		
	901	SS Case, Liquid Filled, Bottom Connection				911	SS Case, Liquid Filled, Back Connection		
PRESSURE RANGES	30 " Vac	-30 inHg to 0	100	0 psi to 100 psi	5000	0 psi to 5,000 psi	10	0 bar to 10 bar	
	30/15	-30 inHg to 0 to 15 psi	160	0 psi to 160 psi	6000	0 psi to 6,000 psi	16	0 bar to 16 bar	
	30/30	-30 inHg to 0 to 30 psi	200	0 psi to 200 psi	7500	0 psi to 7,500 psi	25	0 bar to 25 bar	
	30/60	-30 inHg to 0 to 60 psi	300	0 psi to 300 psi	10000	0 psi to 10,000 psi	40	0 bar to 40 bar	
	30/100	-30 inHg to 0 to 100 psi	400	0 psi to 400 psi	15000	0 psi to 15,000 psi	60	0 bar to 60 bar	
	30/160	-30 inHg to 0 to 160 psi	600	0 psi to 600 psi	-1	-1 bar to 0 bar	100	0 bar to 100 bar	
	30/200	-30 inHg to 0 to 200 psi	800	0 psi to 800 psi	1	0 bar to 1 bar	160	0 bar to 160 bar	
	30/300	-30 inHg to 0 to 300 psi	1000	0 psi to 1,000 psi	1.6	0 bar to 1.6 bar	250	0 bar to 250 bar	
	15	0 psi to 15 psi	1500	0 psi to 1,500 psi	2.5	0 bar to 2.5 bar	400	0 bar to 400 bar	
	30	0 psi to 30 psi	2000	0 psi to 2,000 psi	4	0 bar to 4 bar	600	0 bar to 600 bar	
60	0 psi to 60 psi	3000	0 psi to 3,000 psi	6	0 bar to 6 bar	1000	0 bar to 1,000 bar		
SCALE OPTION	psi	psi single scale	psi/kg/cm²	psi/kg/cm² dual scale	bar/psi	bar/psi dual scale	psi/kPa	psi/kPa dual scale	
	psi/bar	psi/bar dual scale							
CONNECTION SIZE	1/8	1/8" NPT	1/4	1/4" NPT	1/2	1/2" NPT	1/4 BSPP	1/4" BSPP	
OPTIONS	PMC	Steel Panel Mount Clamp	SSCR	304SS Cover Ring	SSFF	304SS Front Flange	BP3	Brass Press Fit Orifice 0.3 mm	
	SPMC	304SS Panel Mount Clamp	MIP	Maximum Indicating Pointer	SSRF	304SS Rear Flange	BT5	Brass Threaded Orifice 0.5 mm	
	SSB-U	Stainless Steel Bezel & U-Clamp	AP	Adjustable Pointer	LM	Laser Marking	BT8	Brass Threaded Orifice 0.8 mm	
	SSB	Stainless Steel Bezel	SGL	Safety Glass Lens	ST	Stainless Steel Tagging	7/16" -20	Straight Thread Available*	

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

NOTE: Refer to 900 Series Options & Accessories chart on page 67 for availability by model number.

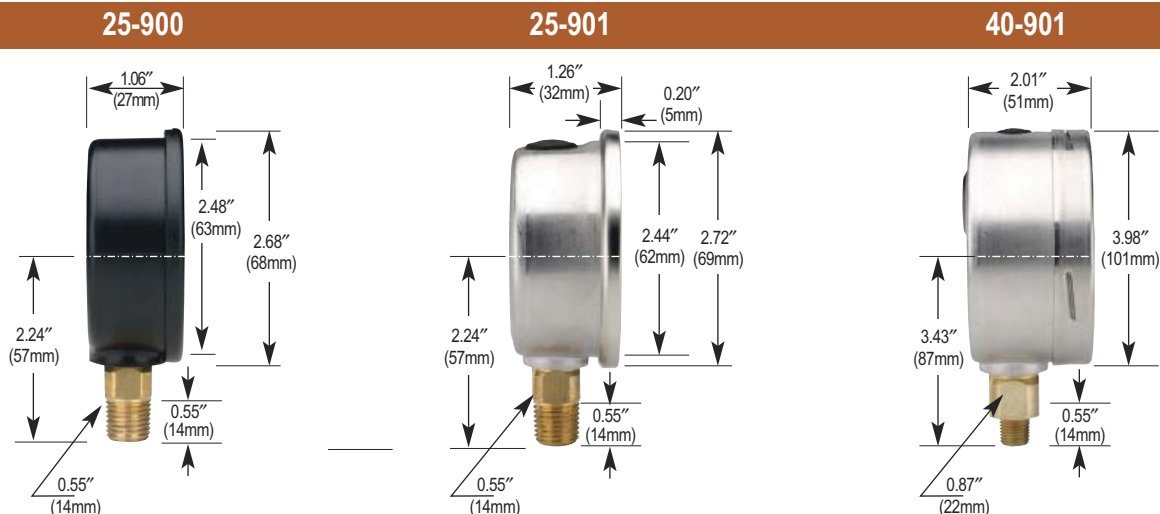
* Includes Viton® O-Ring

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

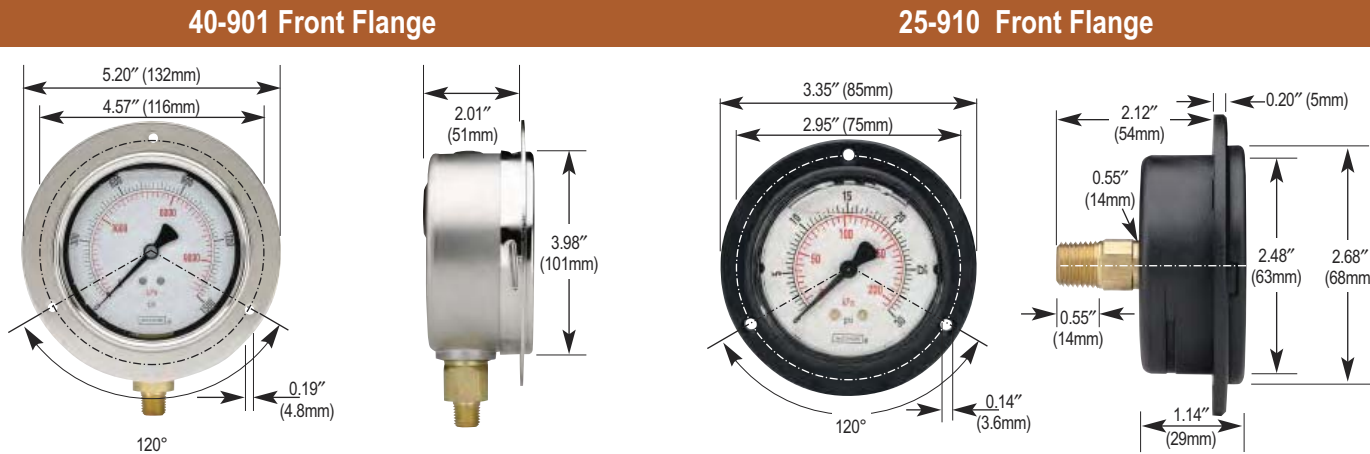
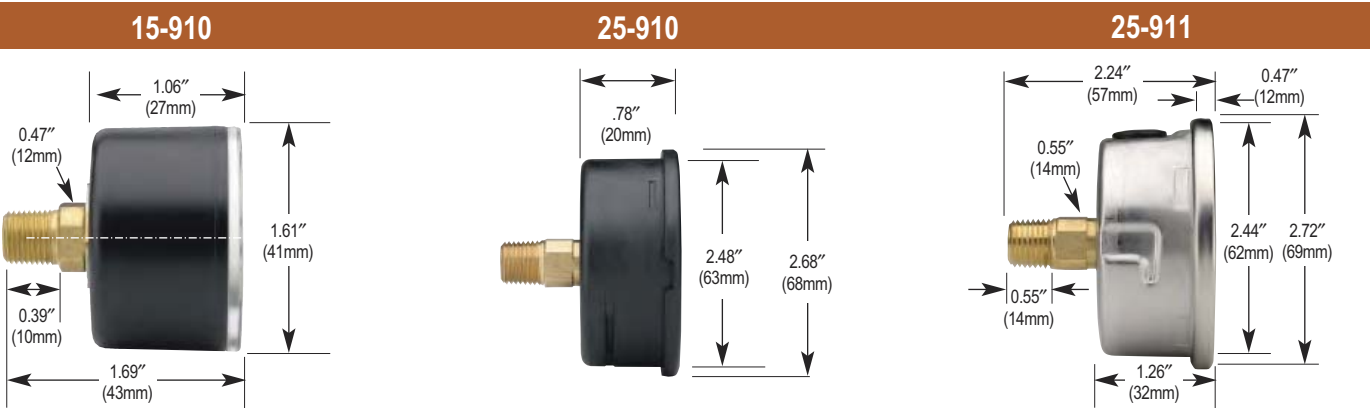
25-910 - 1000 psi/kPa - 1/4" - PMC

OUTLINE DIMENSIONS

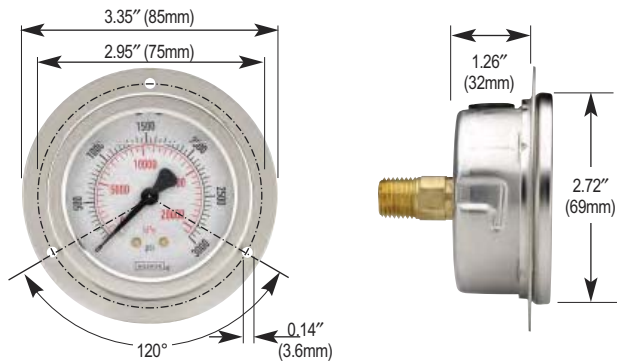


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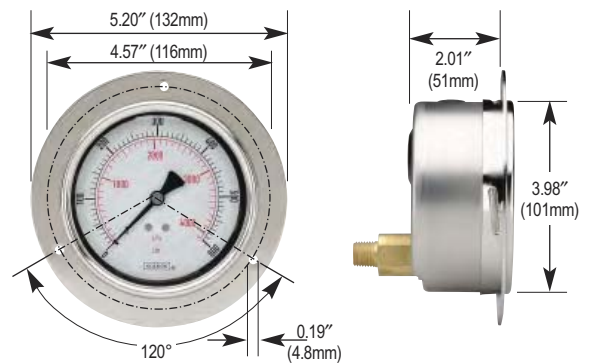
Dimensions



25-911 Front Flange



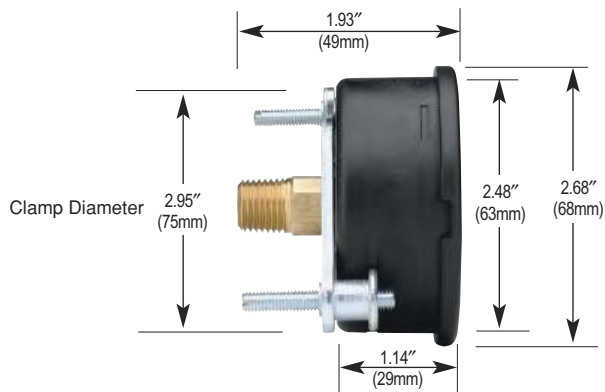
40-911 Front Flange



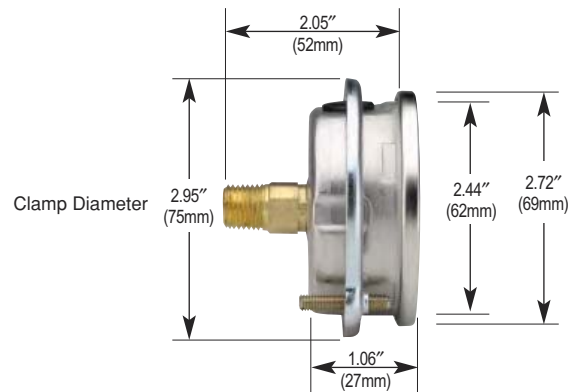
25-911 Flange Ring



25-910 Panel Mount Clamp



25-911 Panel Mount Clamp



40-911

