

ABS & Stainless Steel Case, Liquid Filled



900 SERIES

- High quality liquid filled gauge
- Vacuum and compound ranges through 0 psi to 15,000 psi
- 1-1/2", 2", 2-1/2" and 4" gauge sizes
- Impact-resistant ABS and Stainless Steel case
- Copper alloy and Brass wetted parts

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

APPLICATIONS

- Automotive
- Construction
- Hydraulics & pneumatics
- Power generation
- Transportation
- Water management

	SERIES	SPECIFICATIONS
Pressure ranges	900 Series (all)	Vacuum and compound ranges through 0 psi to 15,000 psi***
Accuracy	15-901, 15-910, 15-911	±2.5% full scale
	20-901, 20-911, 25-900, 25-910, 25-901, 25-911	±1.6% full scale
	40-901, 40-911	±1% full scale
Temperature ranges*	900 Series (all)	Media -4 °F to 140 °F (-20 °C to 60 °C) Glycerin fill -40 °F to 140 °F (-40 °C to 60 °C) Special fill Ambient -4 °F to 140 °F (-20 °C to 60 °C) Glycerin fill -40 °F to 140 °F (-40 °C to 60 °C) Special fill
Measuring element	900 Series (up to 600 psi)	Copper alloy C-Type Bourdon tube
	900 Series (> 600 psi)	Coiled safety tube
Connection	15-910, 15-901, 15-911	1/8" NPT, Brass
	20-901, 20-911, 25-900, 25-910, 25-901, 25-911	1/4" NPT or 7/16"-20 adjustable, Brass
	40-901, 40-911	1/4" NPT, Brass 1/2" NPT, Brass
Case	15-910, 25-900, 25-910	ABS with safety relief plug
	15-901, 15-911, 20-901, 20-911, 25-901, 25-911, 40-901, 40-911	304 Stainless Steel
Bezel	15-901, 15-911, 20-901, 20-911, 25-901, 25-911, 40-901, 40-911	304 Stainless Steel
Lens	15-910, 25-900, 25-910	Acrylic; ultrasonically welded to the case
	15-901, 15-911, 20-901, 20-911, 25-901, 25-911, 40-901	Polycarbonate
Pointer	15-901, 15-910, 15-911, 20-901, 20-911, 25-900, 25-910, 25-901, 25-911	Molded plastic
	40-901, 40-911	Balanced Aluminum, black finish
Dial	5-901, 15-910, 15-911, 20-901, 20-911, 25-900, 25-910, 25-901, 25-911	Molded plastic, white background with black primary scale & red secondary scale. UV resistant
	40-901, 40-911	Aluminum, white background with black primary scale & red secondary scale. UV resistant.
Movement	15-901, 15-910, 15-911, 20-901, 20-911, 25-900, 25-910, 25-901, 25-911	Brass and nylon with highly polished bearing surfaces
Fill liquid**	900 Series (all)	Glycerin

* For every 18 °F (10 °C) shift in temperature from which the gauge is calibrated, the user can experience up to ±0.4% additional error.

** See page 58 for gauge fill options.

*** See Ordering Information.

For details on accuracy/standard dial configuration and dial layouts, see pages 56-61.



WARNING: This product can expose you to chemicals including Lead and Nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

ORDERING INFORMATION					
GAUGE SIZES	15 1-1/2" (6,000 psi max)	20 2" (10,000 psi max)	25 2-1/2"	40 4"	
CASE TYPES	900 ABS Case, bottom connection 901 SS Case, bottom connection		910 ABS Case, back connection 911 SS Case, back connection		
PRESSURE RANGES	30vac -30 inHg to 0 psi 30/15 -30 inHg to 0 to 15 psi 30/30 -30 inHg to 0 to 30 psi 30/60 -30 inHg to 0 to 60 psi 30/100 -30 inHg to 0 to 100 psi 30/160 -30 inHg to 0 to 160 psi 30/200 -30 inHg to 0 to 200 psi 30/300 -30 inHg to 0 to 300 psi 15 0 psi to 15 psi 30 0 psi to 30 psi 60 0 psi to 60 psi	100 0 psi to 100 psi 160 0 psi to 160 psi 200 0 psi to 200 psi 300 0 psi to 300 psi 400 0 psi to 400 psi 600 0 psi to 600 psi 800 0 psi to 800 psi 1000 0 psi to 1,000 psi 1500 0 psi to 1,500 psi 2000 0 psi to 2,000 psi 3000 0 psi to 3,000 psi	5000 0 psi to 5,000 psi 6000 0 psi to 6,000 psi 7500 0 psi to 7,500 psi 10000 0 psi to 10,000 psi 15000 0 psi to 15,000 psi -1 -1 bar to 0 bar ^{††} 1 0 bar to 1 bar ^{††} 1.6 0 bar to 1.6 bar ^{††} 2.5 0 bar to 2.5 bar ^{††} 4 0 bar to 4 bar ^{††} 6 0 bar to 6 bar ^{††}	10 0 bar to 10 bar ^{††} 16 0 bar to 16 bar ^{††} 25 0 bar to 25 bar ^{††} 40 0 bar to 40 bar ^{††} 60 0 bar to 60 bar ^{††} 100 0 bar to 100 bar ^{††} 160 0 bar to 160 bar ^{††} 250 0 bar to 250 bar ^{††} 400 0 bar to 400 bar ^{††} 600 0 bar to 600 bar ^{††} 1000 0 bar to 1,000 bar ^{††}	
SCALE OPTIONS	psi psi single scale psi/bar psi/bar dual scale	psi/kg/cm ² psi/kg/cm ² dual scale	bar/psi bar/psi dual scale	psi/kPa psi/kPa dual scale	
CONNECTION SIZES	1/8 1/8" NPT	1/4 1/4" NPT	1/2 1/2" NPT	SST SAE J1926-3:7/16-20 Adjustable *	
OPTIONS	PMC Steel Panel Mount Clamp SPMC 304SS Panel Mount Clamp SSBU Integral Stainless Steel Bezel & U-clamp SSB Stainless Steel Bezel	SSCR 304SS Cover Ring MIP Maximum Indicating Pointer** SP Red Set Pointer SG Safety Glass Lens	BLFF Black Front Flange*** SSFF 304SS Front Flange [†] SSRF 304SS Rear Flange LM Laser Marking	ST Stainless Steel Tagging BP3 Brass Press Fit Orifice 0.3 mm BT5 Brass Threaded Orifice 0.5 mm BT8 Brass Threaded Orifice 0.8 mm	

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

NOTES: Refer to 900 Series Options & Accessories chart on page 53 for availability by series number.

Cleaning for Oxygen Service (O2) is available only for dry or HL filled gauges

* Includes FKM o-ring

** GY40 fill is standard for liquid filled gauges

*** Black Front Flange is only available for 25-910 gauges

[†] Stainless Steel Front Flange is not available for the 901 case type and all 1-1/2" gauges

^{††} Standard with G1/4 process connection

EXAMPLE

Gauge size 2-1/2"
Case type ABS case, liquid filled, back connection
Pressure range & scale option 0 psi to 1,000 psi/kPa
Connection size[†] 1/8" NPT
Option Panel Mount Clamp

25 - 910 - 1000 - psi /kPa - 1/8^{†††} - PMC

^{†††} Only include in part number if non-standard connection size is ordered.

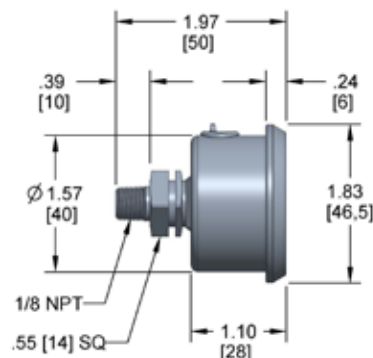
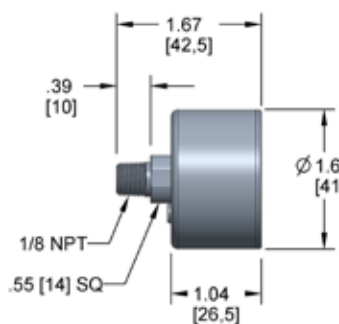
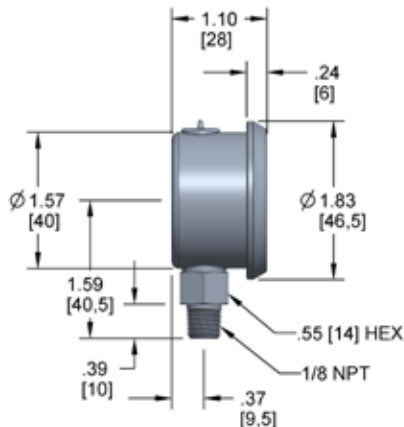
NOTES: See standard connection sizes chart on page 49.

Shaded portions of this part number example are not required unless a non-standard connection size or an option is needed.

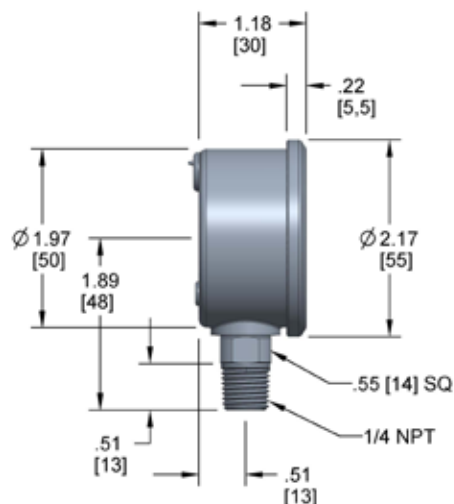
15-901 1/8" NPT

15-910 1/8" NPT

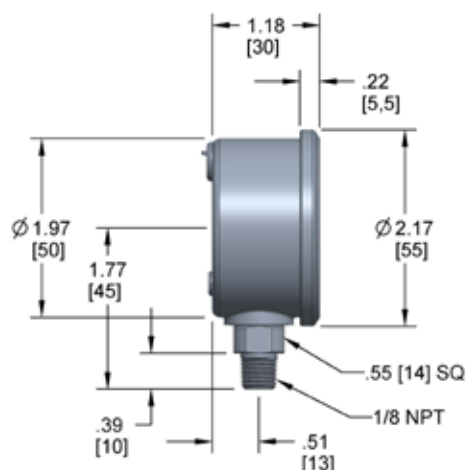
15-911 1/8" NPT



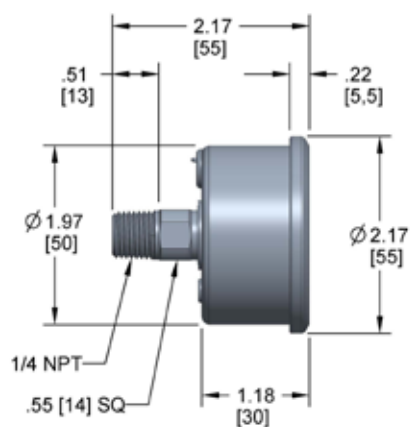
20-901 1/4" NPT



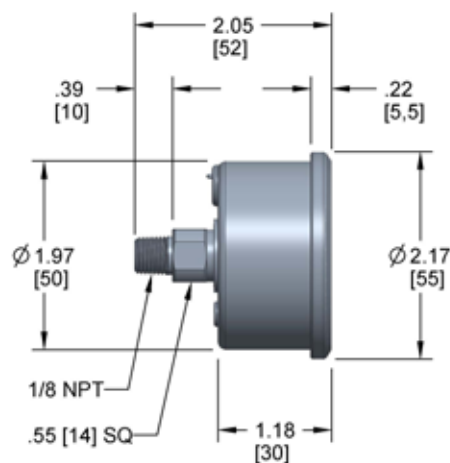
20-901 1/8" NPT



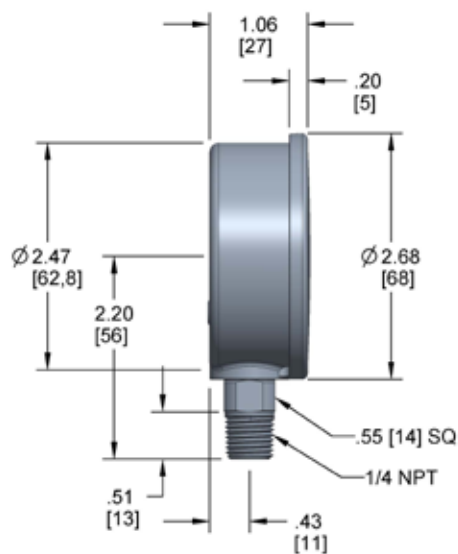
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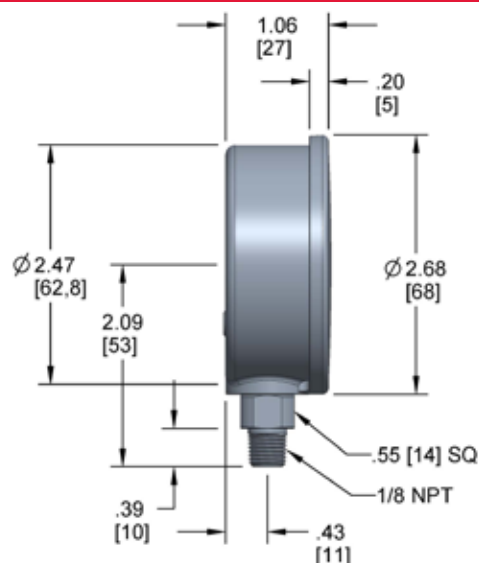
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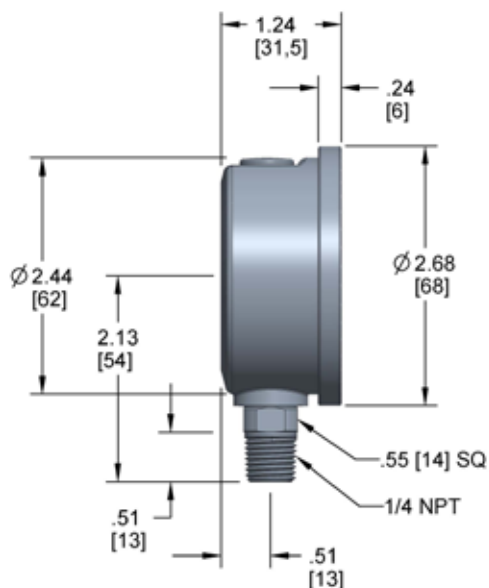
25-900 1/4" NPT



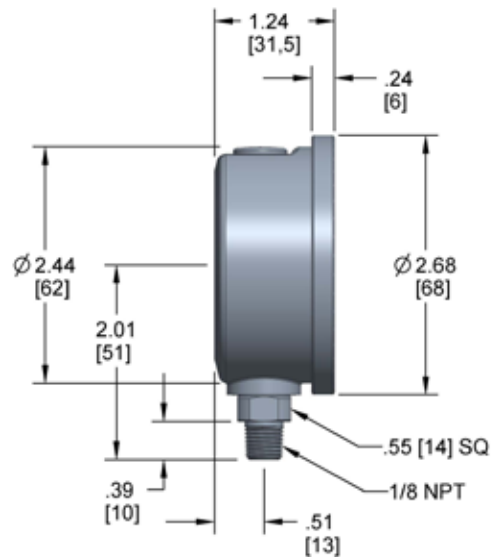
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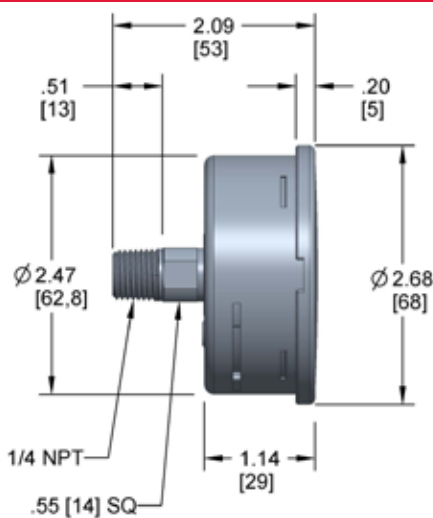
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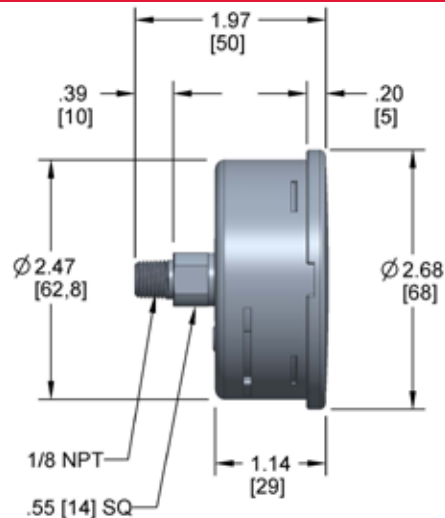
25-901 1/8" NPT



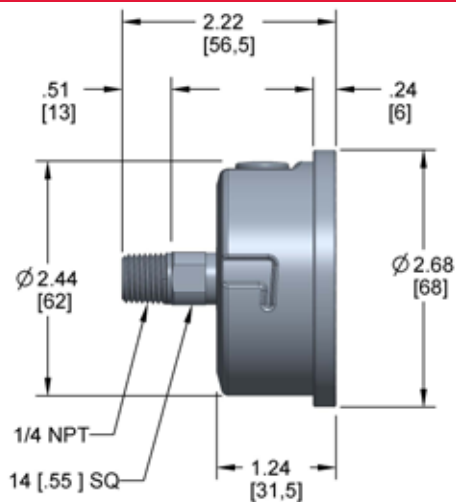
25-910 1/4" NPT



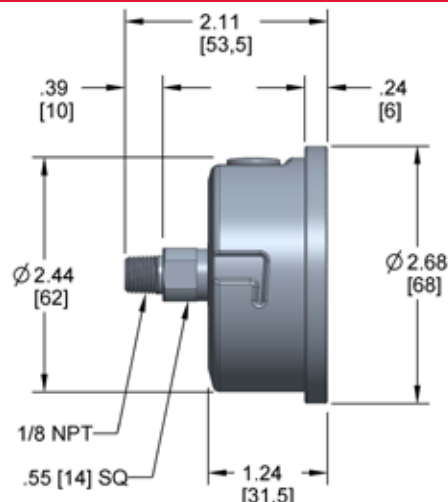
25-910 1/8" NPT



25-911 1/4" NPT



25-911 1/8" NPT

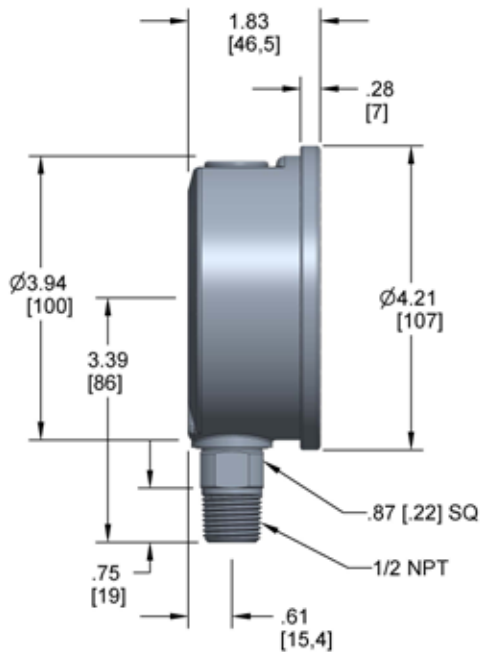
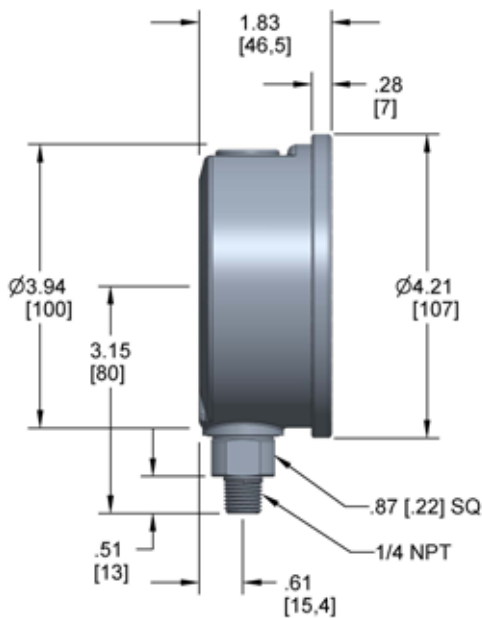


Dimensions



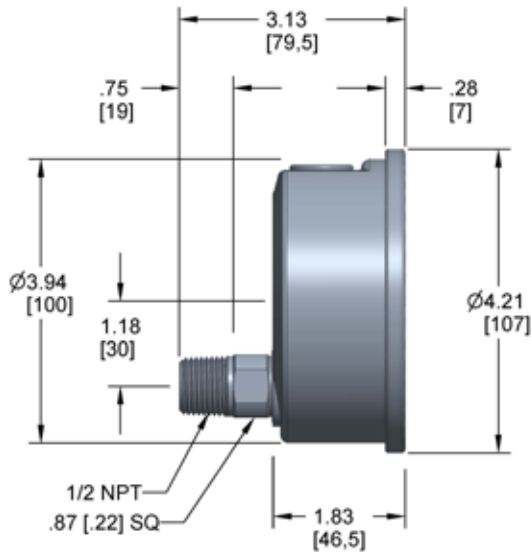
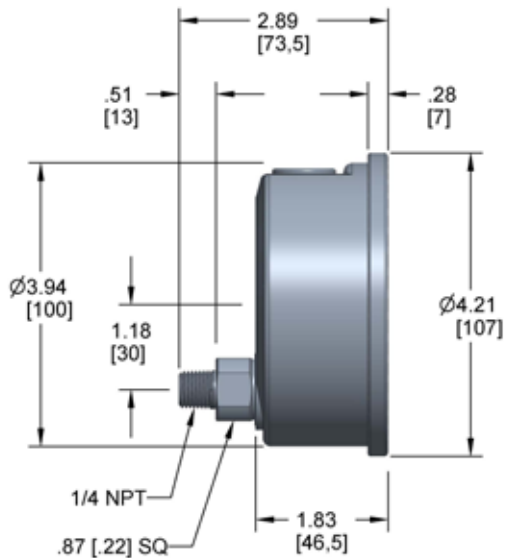
40-901 1/4" NPT

40-901 1/2" NPT

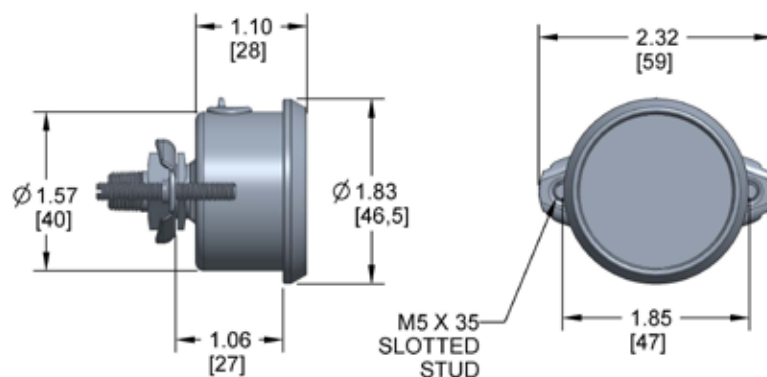


40-911 1/4" NPT

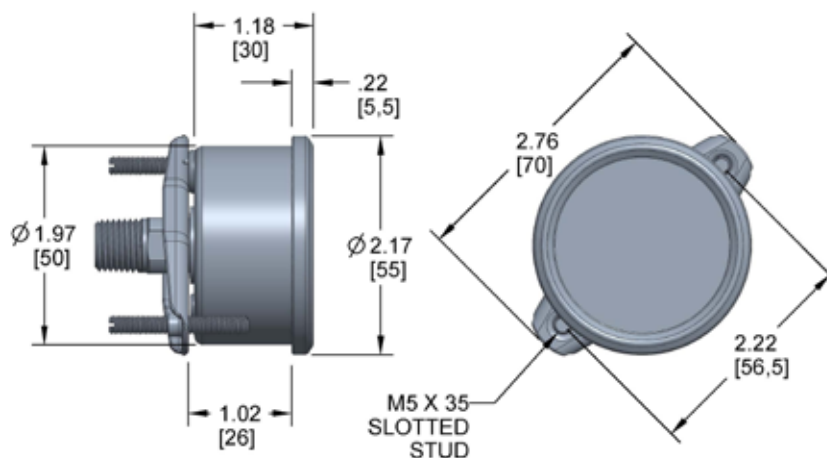
40-911 1/2" NPT



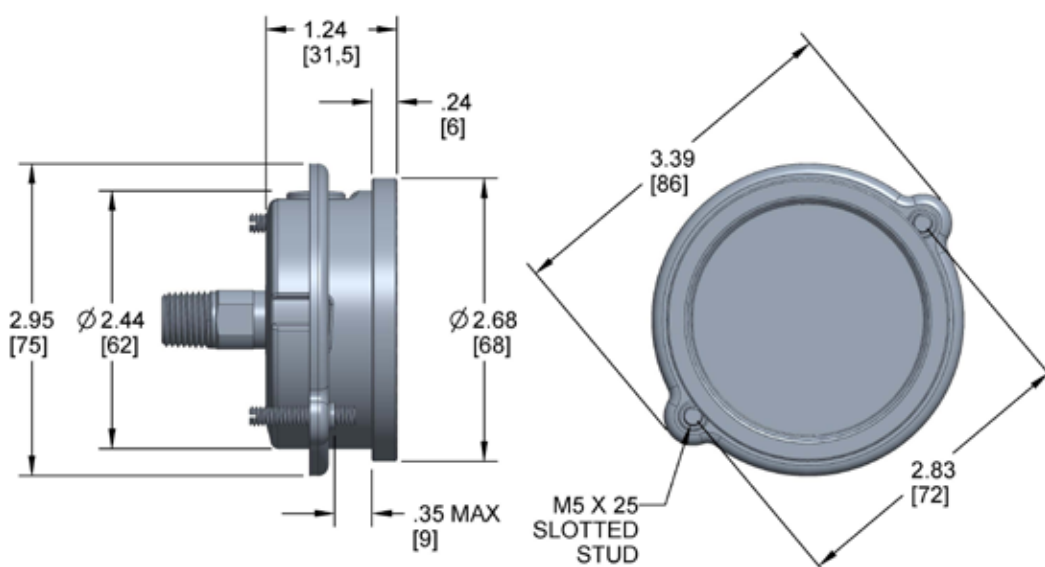
15-911 Panel Mount Clamp (PMC)



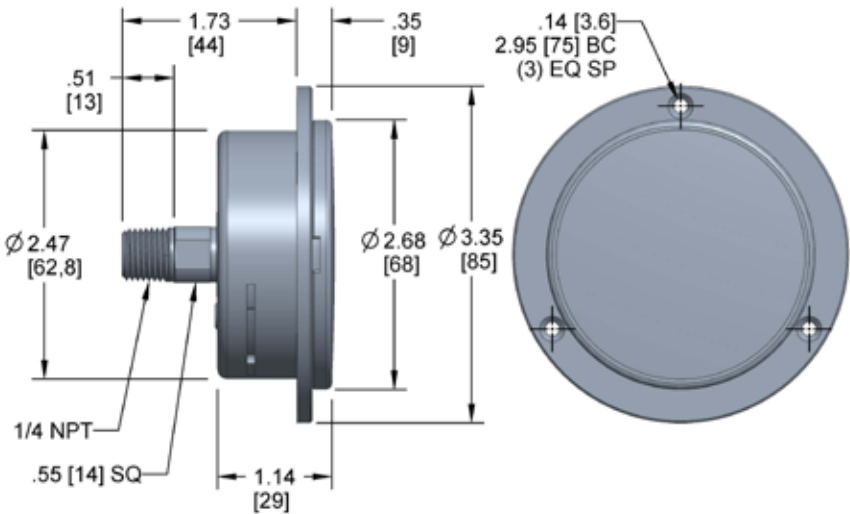
20-911 Panel Mount Clamp (PMC)



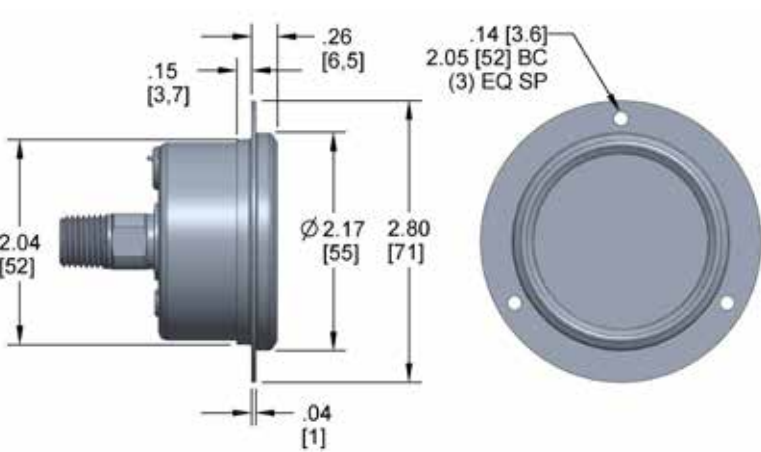
25-911 Panel Mount Clamp (PMC)



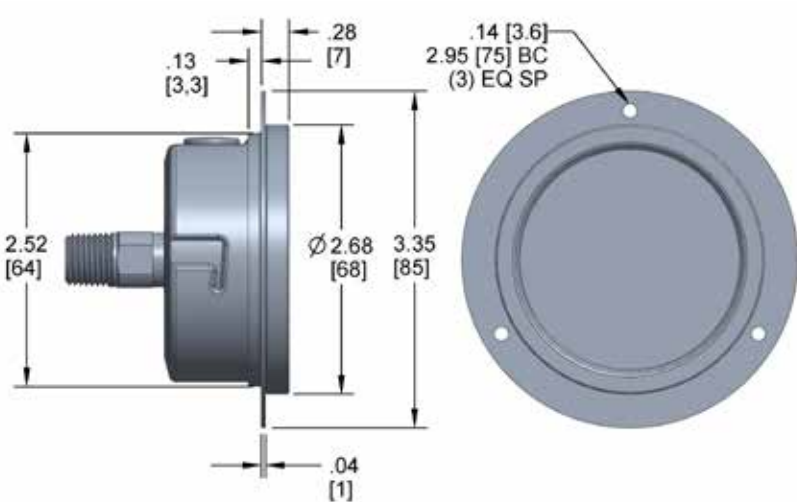
25-910 Black Front Flange (BLFF)



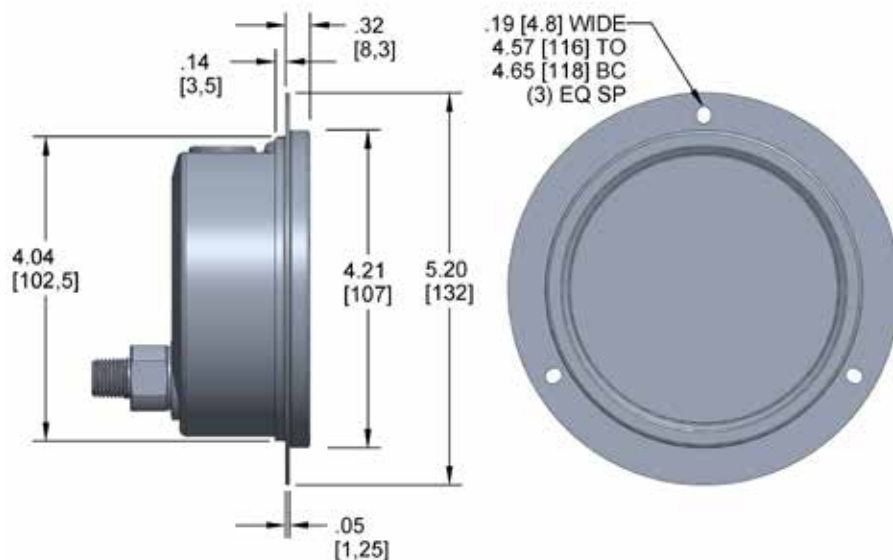
20-911 Front Flange (SSFF)



25-911 Front Flange (SSFF)

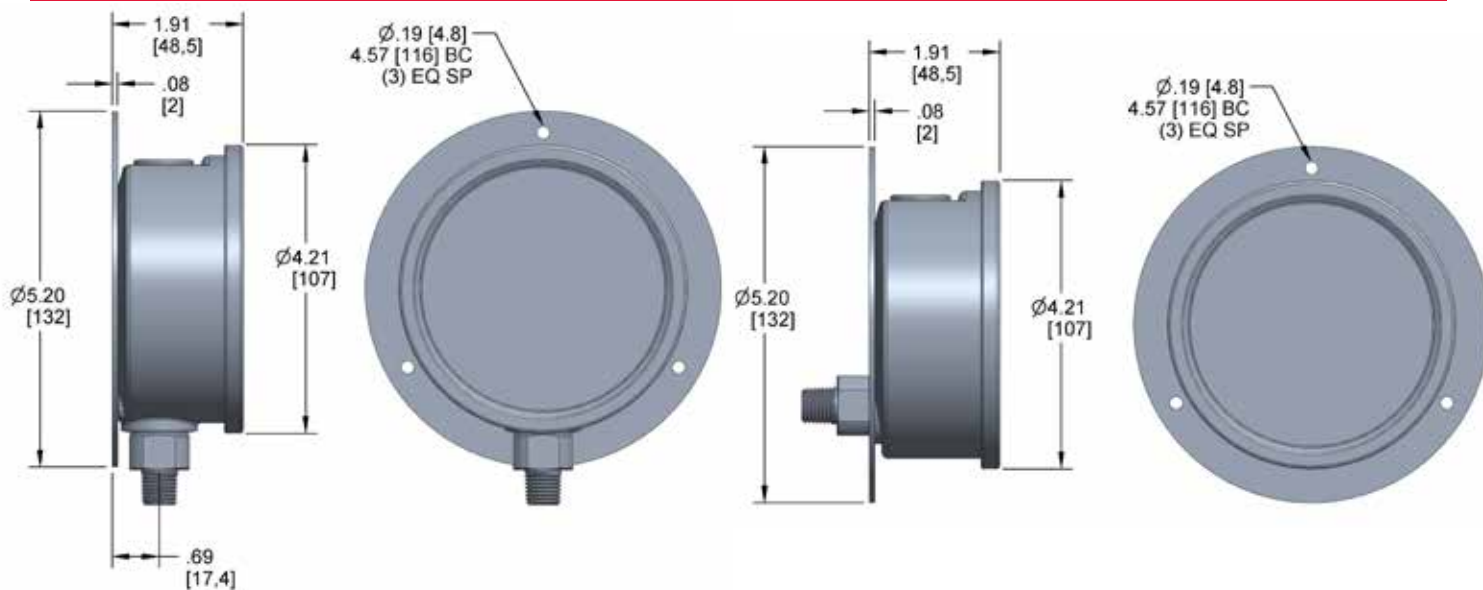


40-911 Front Flange (SSFF)

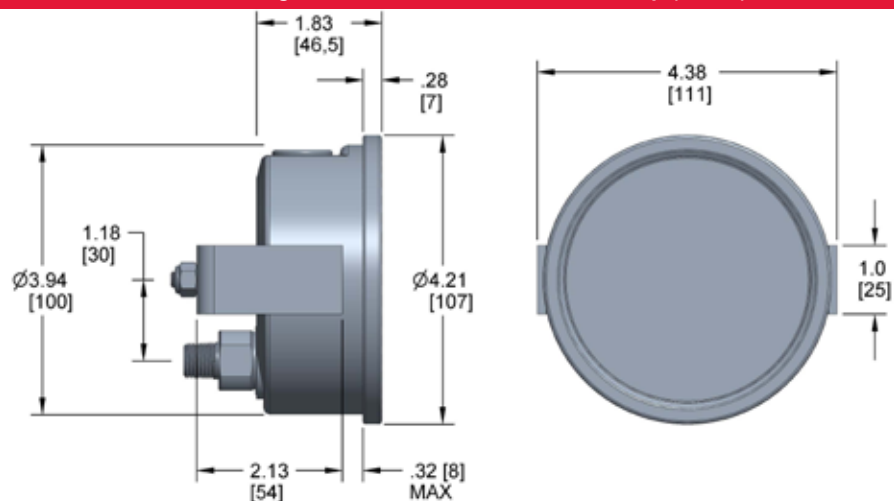


40-901 Rear Flange (SSRF)

40-911 Rear Flange (SSRF)



40-911 Integral Stainless Steel Bezel & U-clamp (SSBU)



900 Series Process Connections

