

Low Pressure Diaphragm



200 SERIES

- Sensitive capsule-type, non-fillable dry gauge
- Vacuum ranges through 0 psi to 10 psi
- 2-1/2" and 4" gauge sizes
- Black painted Steel, Stainless Steel and impact-resistant ABS 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

- Filter monitoring
- Gas distribution
- HVAC
- Leak detection
- Level indication
- Medical

	SERIES	SPECIFICATIONS
Pressure ranges	200 Series (all)	Extreme low pressure vacuum ranges through 0 psi to 10 psi
Accuracy	25-200, 25-210, 25-224	±1.6% full scale
	25-206, 25-216	±2.5% full scale
	40-200	±1.6% full scale
Temperature ranges*	200 Series (all)	Media -4 °F to 176 °F (-20 °C to 80 °C) Ambient -4 °F to 140 °F (-20 °C to 60 °C)
Measuring element	25-200, 25-210, 25-224, 40-200	Copper alloy diaphragm capsule
Connection	200 Series (all)	1/4" NPT, Brass
Case	25-200, 25-210	Black painted Steel
	25-206, 25-216, 25-224	Black ABS (Acryl Nitril Butadien Styrol) with 25-224 includes zinc-plated Steel panel mount clamp
	40-200	304 Stainless Steel
Bezel	40-200	304 Stainless Steel
Lens	25-200, 25-206, 25-210, 25-216, 25-224	Acrylic
	40-200	Instrument glass
Pointer	200 Series (all)	Black finished Aluminum
Dial	200 Series (all)	Aluminum, white background with black scale. UV resistant.
Movement	25-200, 25-210, 25-224, 40-200	Brass and Nickel-silver with highly polished bearing surfaces
	25-206, 25-216	Cu-Alloy

* 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.

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

ORDERING INFORMATION									
GAUGE SIZES	25	2-1/2"	40	4"					
CASE TYPES	200	Steel, bottom connection (304SS for 4")			224	ABS, panel mount			
	210	Steel, back connection			234	Gas pressure test kit**			
PRESSURE RANGES	15 inH ₂ O Vac	-15 inH ₂ O to 0 inH ₂ O	100 inH ₂ O	0 inH ₂ O to 100 inH ₂ O	100 oz/in ²	0 oz/in ² to 100 oz/in ²	60 mbar	0 mbar to 60 mbar	
	30 inH ₂ O Vac	-30 inH ₂ O to 0 inH ₂ O	160 inH ₂ O	0 inH ₂ O to 160 inH ₂ O	160 oz/in ²	0 oz/in ² to 160 oz/in ²	100 mbar	0 mbar to 100 mbar	
	60 inH ₂ O Vac	-60 inH ₂ O to 0 inH ₂ O	200 inH ₂ O	0 inH ₂ O to 200 inH ₂ O	20 oz/ in ² /inH ₂ O	0 oz/in ² /inH ₂ O to 20 oz/in ² /inH ₂ O	160 mbar	0 mbar to 160 mbar	
	100 inH ₂ O Vac	-100 inH ₂ O to 0 inH ₂ O	10 oz/in ²	0 oz/in ² to 10 oz/in ²	32 oz/ in ² /inH ₂ O	0 oz/in ² /inH ₂ O to 32 oz/in ² /inH ₂ O	250 mbar	0 mbar to 250 mbar	
	10 inH ₂ O	0 inH ₂ O to 10 inH ₂ O	15 oz/in ²	0 oz/in ² to 15 oz/in ²	3 psi	0 psi to 3 psi	400 mbar	0 mbar to 400 mbar	
	15 inH ₂ O	0 inH ₂ O to 15 inH ₂ O	30 oz/in ²	0 oz/in ² to 30 oz/in ²	5 psi	0 psi to 5 psi	600 mbar	0 mbar to 600 mbar	
	30 inH ₂ O	0 inH ₂ O to 30 inH ₂ O	35 oz/in ²	0 oz/in ² to 35 oz/in ²	10 psi	0 psi to 10 psi			
	60 inH ₂ O	0 inH ₂ O to 60 inH ₂ O	60 oz/in ²	0 oz/in ² to 60 oz/in ²	40 mbar	0 mbar to 40 mbar			
CONNECTION SIZE	1/4	1/4" NPT							
OPTIONS	BLRF	Black Rear Flange	GL	Glass Lens*	OP	Over Pressure Protection	LM	Laser Marking	
	SSRF	304SS Rear Flange	SG	Safety Glass Lens*	SSBU	Stainless Steel Bezel & U-Clamp	ST	Stainless Steel Tagging	
	BLFF	Black Front Flange***	PL	Acrylic Lens	BBU	Black Bezel & U-Clamp	BP3	Brass Press Fit Orifice 0.3 mm	
	SSFF	304SS Front Flange	RL	Recalibrator Lens	BCR	Black Cover Ring	BT3	Brass Threaded Orifice 0.3 mm	
	CFF	Chrome Front Flange***	SP	Red Set Pointer	SSCR	Stainless Steel Cover Ring			
	SSC	Stainless Steel Case	MIP	Maximum Indicating Pointer					

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

NOTES: Refer to 200 Series Options & Accessories chart on page 51 for availability by part number.

O₂ cleaning is not available for 200 Series gauges.

* A Steel, Stainless or chrome cover ring must be additionally ordered when lenses other than acrylic are utilized on all 200 Series

** Only available in 2-1/2" size, 20 oz/35 inH₂O

*** Not available on 25-200 model

EXAMPLE

25 - 200 - 30 - inH₂O - BP3

Gauge size 2-1/2"

Case type Steel, bottom connection

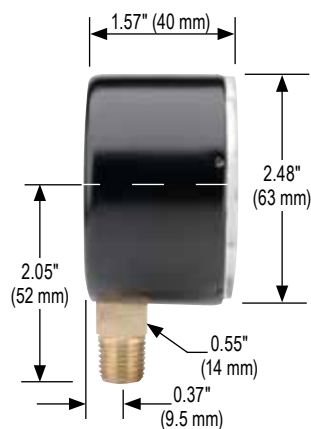
Pressure range & scale option 0 inH₂O to 30 inH₂O

Option Brass Press Fit Orifice 0.3 mm

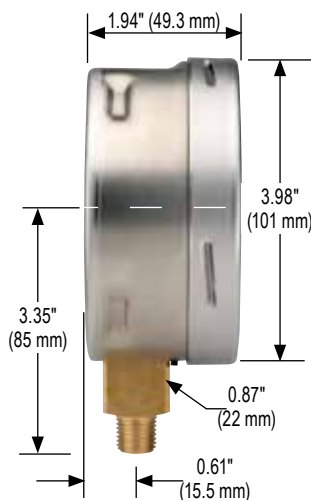
NOTES: See standard connection sizes chart on page 49.

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

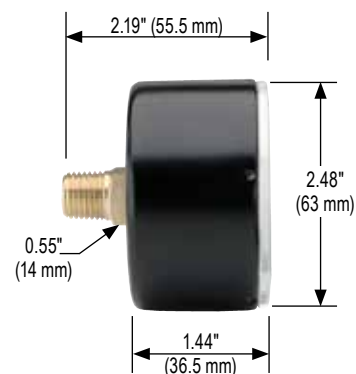
25-200



40-200

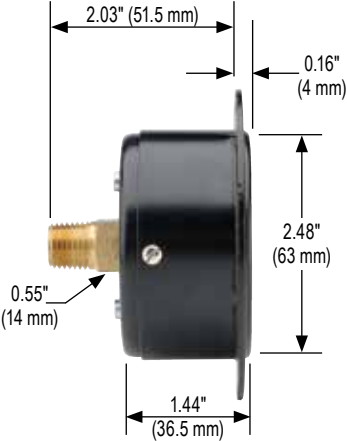
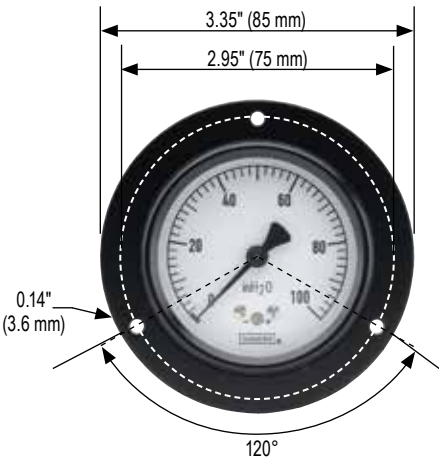


25-210

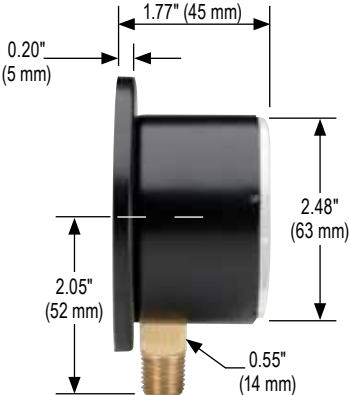
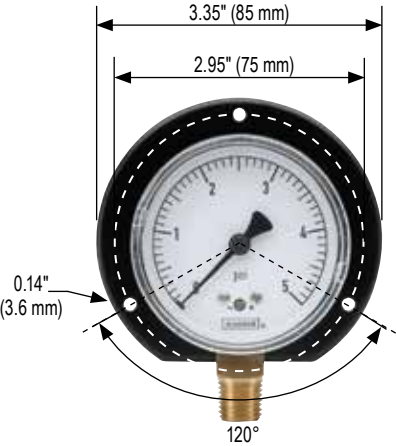


Dimensions

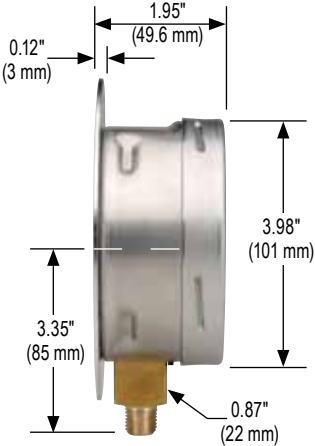
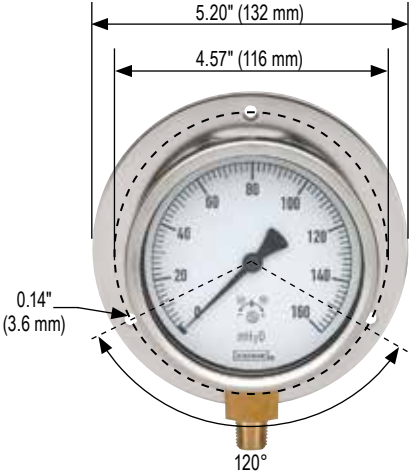
25-210 Front Flange



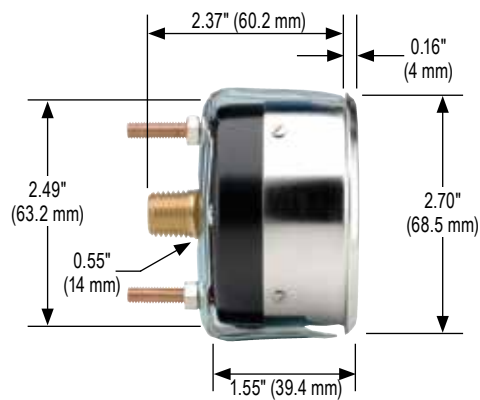
25-200 Rear Flange



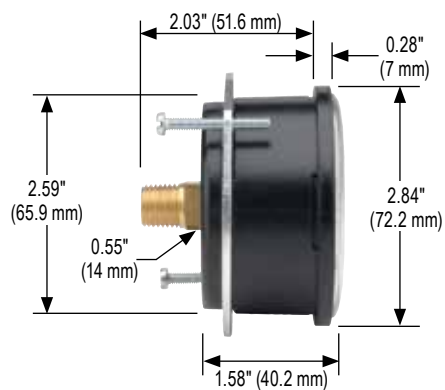
40-200 Rear Flange



25-210 Triangular Bezel w/U-Clamp



25-224 with Panel Mount Clamp



25-234

