

Vapor Actuated Remote

300/400/ 600/700 SERIES



- Indicates media temperature using a temperature-actuated liquid in the sensing element and a highly accurate, high quality pressure gauge
- As the media temperature increases, the capillary fill fluid vaporizes, increasing pressure in the Bourdon tube to activate the movement and pointer for proper indication
- Ranges available from -40 °F/C to 60 °F/C through 100 °F/C to 350 °F/C
- 2-1/2", 4", 4-1/2" and 6" sizes
- Brass, Stainless Steel, or Phenolic case
- Dry or liquid filled
- Bottom, back or lower back connected
- Mounting options: front or rear flange, bezel, and u-clamp
- Capillary material: Copper or Stainless Steel
- Bulb material & dimensions: Copper or Stainless Steel, 2-5/8" x 3/8" through 7-5/8" x 3/8"
- The dial scale graduations are non-linear, therefore the highest degree of accuracy and readability is found in the upper half of the scale

APPLICATIONS

- Power transformers
- Paper mills
- Refineries
- Petrochemical
- Oil and gas
- Chemical
- HVAC/R
- Food processing
- Pharmaceutical

	SERIES	SPECIFICATIONS
Lens	300, 600, 700 Series 400 Series	Acrylic Instrument glass
Pointer	All	Aluminum, black finish
Accuracy	All	±2.0% full scale, Grade B, ASME B40.4
Dial	All	Aluminum, white background, dual scale, black Celsius scale and black Fahrenheit scale

For NOSHOK Vapor Remote Thermometers using 300, 600 & 900 Series Gauges:



WARNING: This product can expose you to chemicals including Lead, which is 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

For NOSHOK Vapor Remote Thermometers using 400 & 700 Series Gauges:



WARNING: This product can expose you to chemicals including Chromium (VI) 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

Thermowells are recommended for pressure, corrosive fluids and high velocity applications, see pages 48-50.

300/400/600/700 SERIES ORDERING INFORMATION

ORDERING INFORMATION			
300 SERIES	25-300	2-1/2", Brass case, bottom connection	25-310 2-1/2", Brass case, back connection
400 SERIES	40-400	4", all Stainless, bottom connection	40-410 4", all Stainless, back connection
	60-400	6", all Stainless, bottom connection	60-410 6", all Stainless, back connection
600 SERIES	45-640	4-1/2", Phenolic case/Brass bottom connection	
700 SERIES	45-740	4-1/2", Phenolic case/Stainless bottom connection	
GAUGE FILL FLUIDS	0	Dry gauge	2 -40° service
	1	Glycerin	3 Silicone
MOUNTING OPTIONS	0	None	3 Rear flange ²
	1	Chrome front flange ¹	4 Bezel & u-clamp ³
	2	Brass front flange ¹	5 Stainless Steel front flange ⁴
TEMPERATURE RANGES	1	-40 °F/°C to 60 °F/°C	6 30 °F/°C to 180 °F/°C
	2	-20 °F/°C to 120 °F/°C	7 30 °F/°C to 240 °F/°C
	3	0 °F/°C to 250 °F/°C	8 30 °F/°C to 300 °F/°C
	4	0 °F/°C to 300 °F/°C	9 50 °F/°C to 350 °F/°C
	5	20 °F/°C to 220 °F/°C	10 100 °F/°C to 350 °F/°C
CAPILLARY TYPES/MATERIALS	1	Plain Copper	3 Plain Stainless Steel
	2	Armored Copper	4 Armored Stainless Steel
CAPILLARY LENGTH	##	Specify in feet	
BULB STYLES/MATERIALS	1	Plain Copper	3 1/2" NPT union Copper
	2	Plain Stainless Steel	4 1/2" NPT union Stainless Steel
BULB DIMENSIONS	1	2-5/8" x 3/8"	6 4" x 3/8"
	2	4-1/2" x 3/8"	7 9" x 3/8"
	3	8" x 3/8"	8 7-5/8" x 3/8"
	4	3-1/2" x 3/8"	15 6" x 1/2" ⁵
	5	6" x 3/8"	
OPTIONS	CC	Certified Calibration	

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

* Not available for gauge sizes ≥4" or ≥16' capillary

¹ Only available on 300 Series

² Not available on 600/700 Series

³ Only available on back connection case types

⁴ Only available on 400 Series

⁵ 4" gauge or larger requires 6" bulb

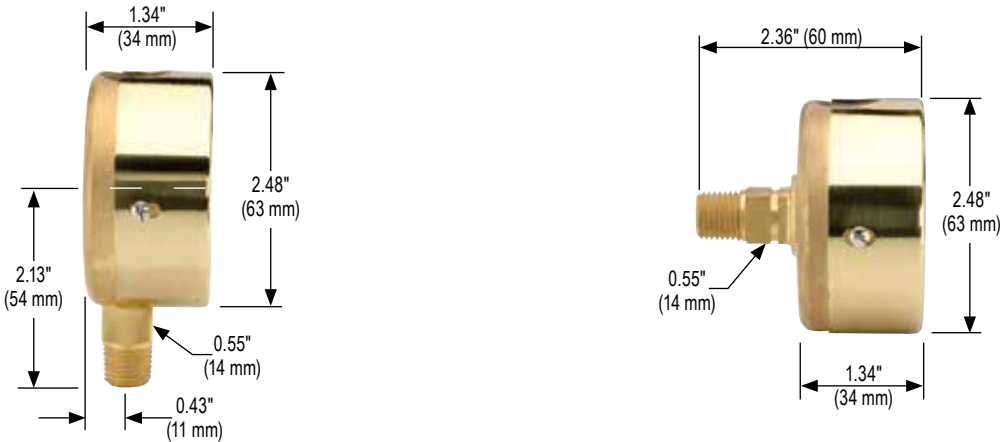
EXAMPLE

	25-310	-	2	-	1	-	7	-	2	-	15	-	3	-	1
Series/size/connection.....	2-1/2", Brass case, back connection														
Gauge fill fluid	-40° service														
Mounting option	Chrome front flange														
Temperature range	30 °F/°C to 240 °F/°C														
Capillary type/material	Armored Copper														
Capillary length	15'														
Bulb style/material	1/2" NPT union Copper														
Bulb dimension	2-5/8" x 3/8"														

Dimensions

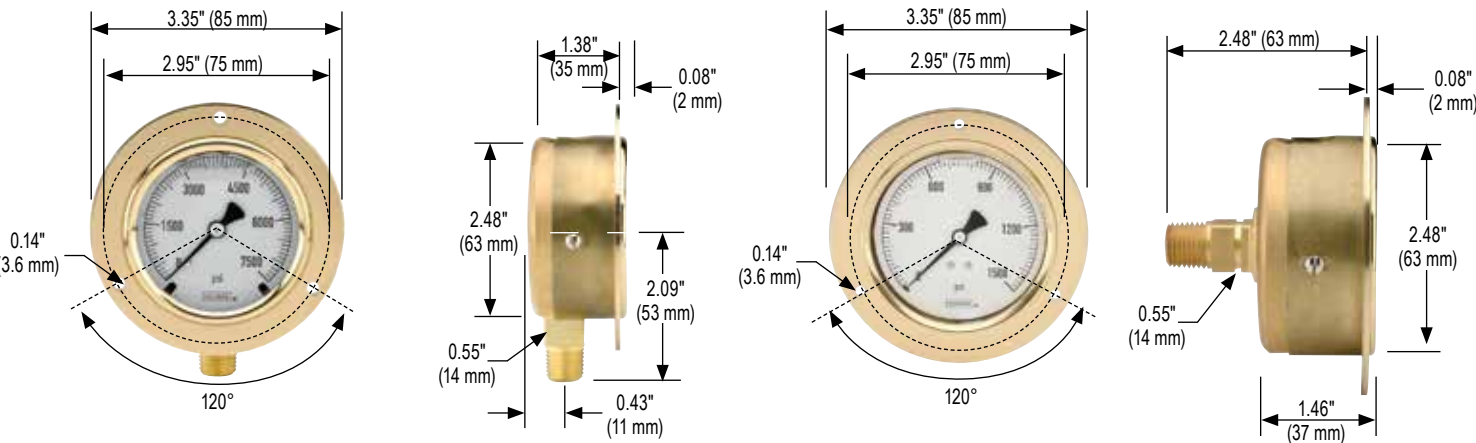
25-300

25-310

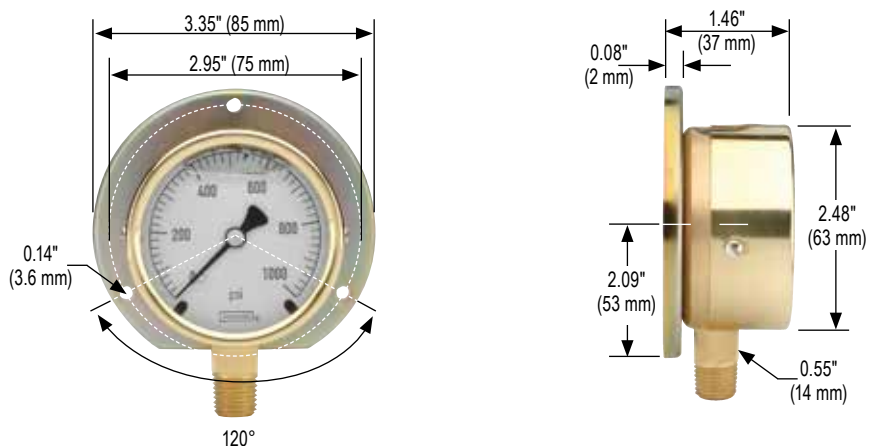


25-300 Front Flange

25-310 Front Flange

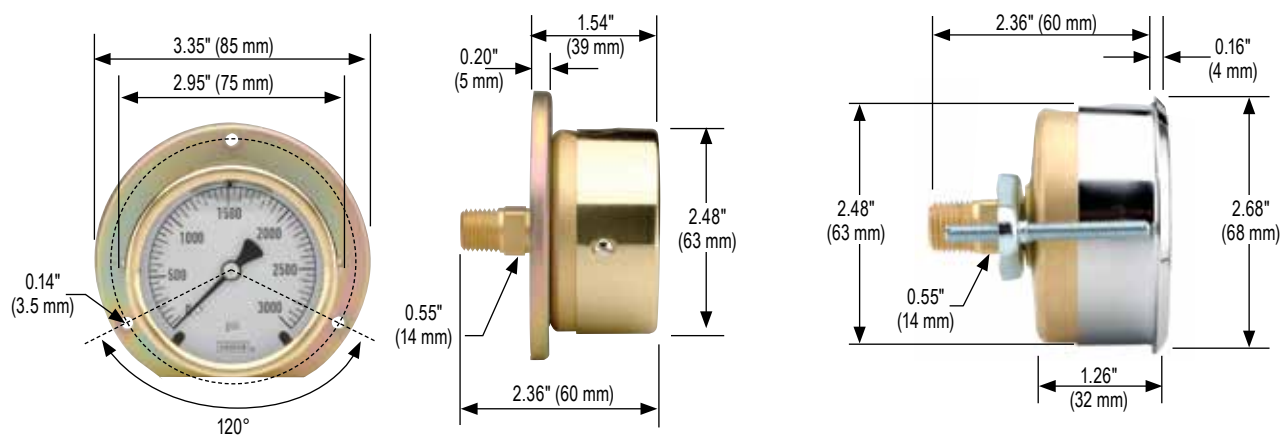


25-300 Rear Flange



25-310 Rear Flange

25-310 Chrome Bezel with U-Clamp

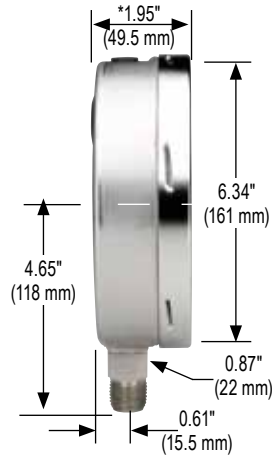


Dimensions

40-400



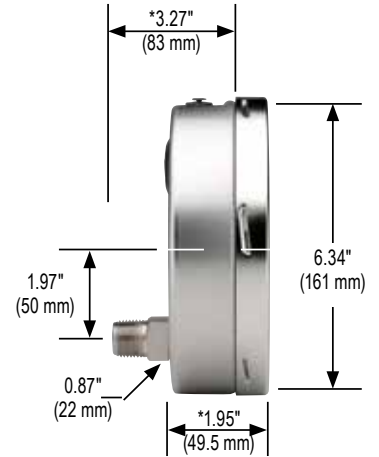
60-400



40-410



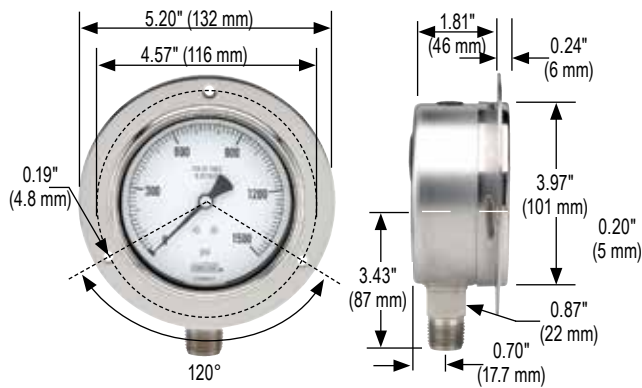
60-410



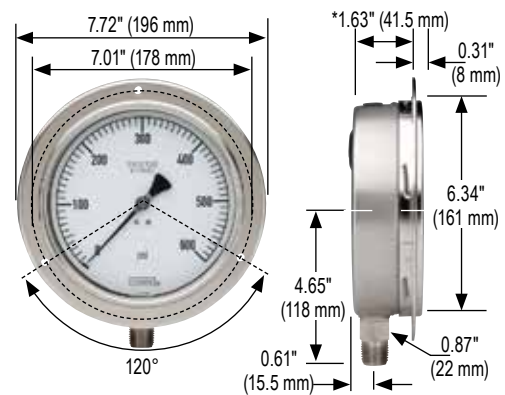
* ≥ 1,500 psi increase by 0.67" (17 mm)

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40-400 Front Flange

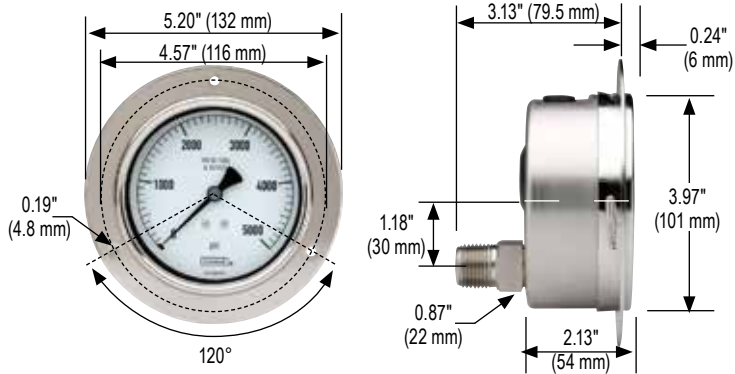


60-400 Front Flange

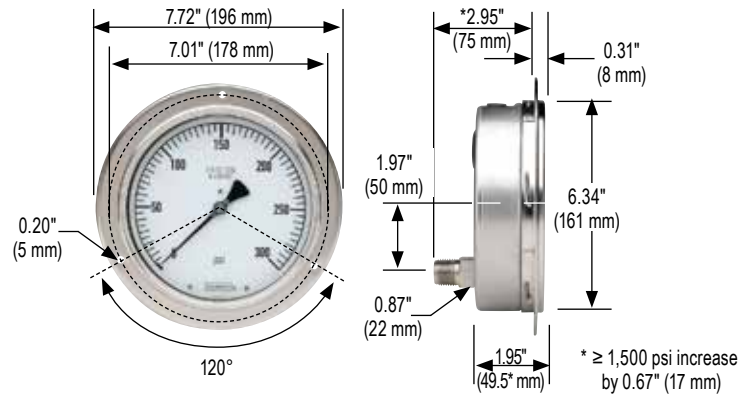


300/400/600/700 SERIES DIMENSIONS

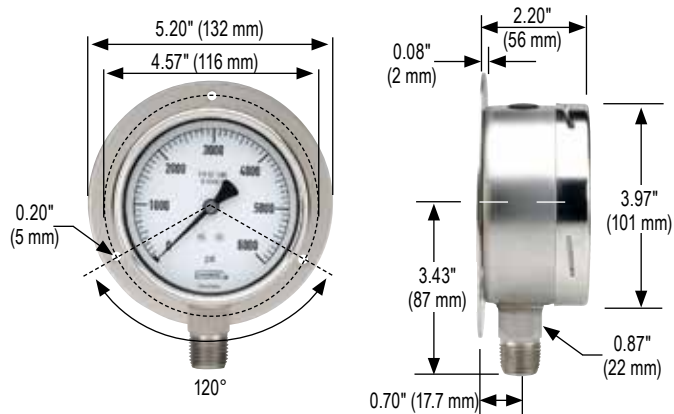
40-410 Front Flange



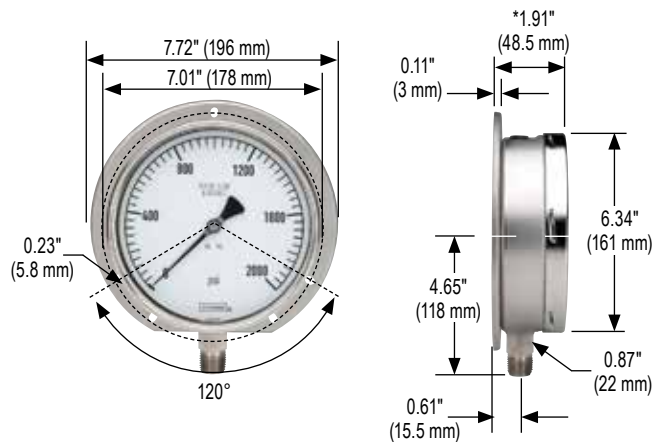
60-410 Front Flange



40-400 Rear Flange

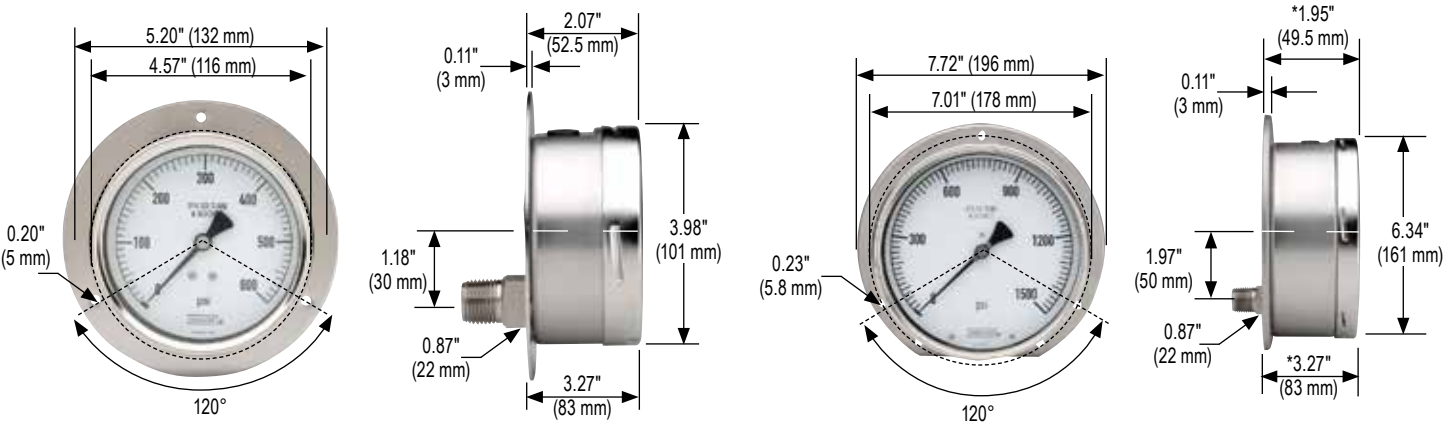


60-400 Rear Flange

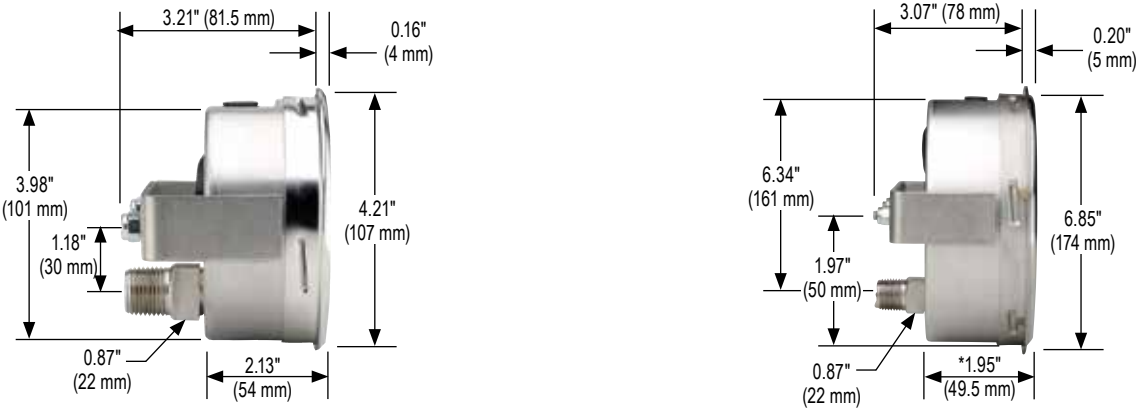


Dimensions

40-410 Rear Flange60-410 Rear Flange



40-410/510 SS Bezel w/U-Clamp60-410 SS Bezel w/U-Clamp



300/400/600/700 SERIES DIMENSIONS

45-640 & 45-740

