

Your **Precision** guarantee



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OUR MISSION

Incorporated in November 2006, Pitanco Precision Inc. was founded by Mister Alain Dutil, who has more than 30 years experience in the manufacturing of pressure and temperature instrumentation destined for the transportation and industrial sectors. In effect, Les Instrument Pitanco (1995) inc, the parent company of Pitanco Precision Inc. has existed for over 60 years and has distributed a wide range of products to world-wide destinations, all manufactured in Quebec (Canada). To meet the increasing demands of their clientele, the decision to create this new company was taken.

To ensure complete customer satisfaction and meet their expectations, the entire product line offered by Pitanco Precision was carefully selected, following a comprehensive and thorough analysis of the products. Quality and reliability are of the utmost importance to Pitanco Precision, therefore these and other selected criteria are the benchmarks that allow us to present a complete line of dependable and highly competitive products.

Further, to better suit the needs of our clientele, we have acquired a new 10,000 sq. ft. facility located in the Delson industrial park, where both enterprises operate out of. Thus, Pitanco Precision now possesses an inventory with a large volume of pressure gauges, thermometers, diaphragm seals and instrumentation accessories to better serve the needs of the industry.

Our personnel are known and recognized for their professionalism, their expertise and their ability to adapt to any given situation. These qualities enable them to answer your requests promptly and without delay.

Thank you for the interest you have shown in Pitanco Precision Inc.

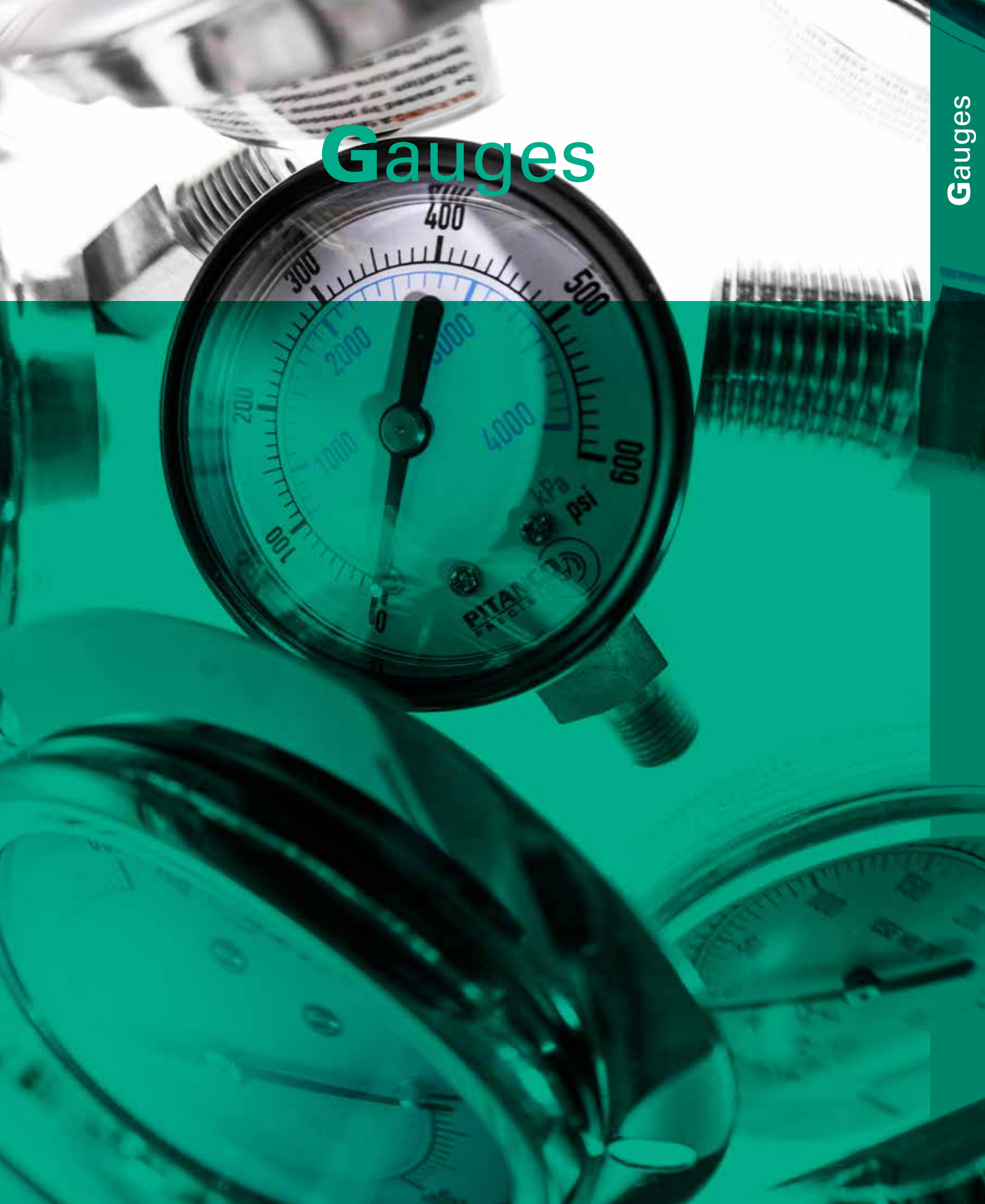
Pitanco your precision guarantee

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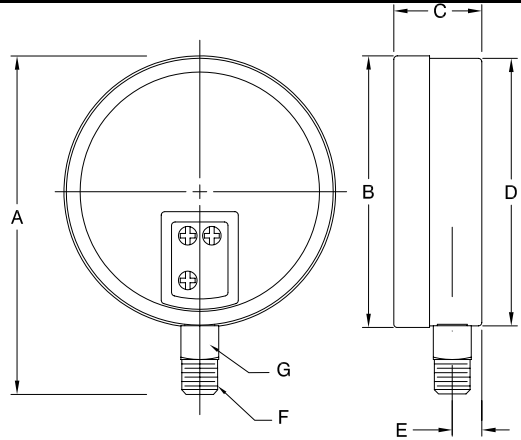
Gauges



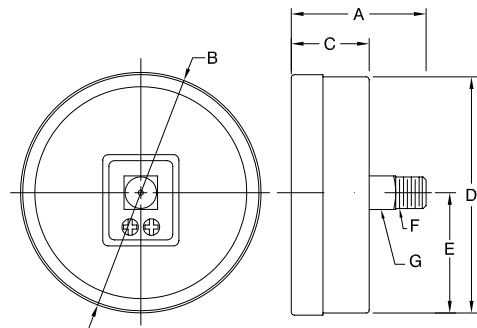


MULTIPLE PURPOSE PRESSURE GAUGE MODEL A

Illustrated model:
400A16



Illustrated model:
401A10



Specifications

Case:	Steel, painted black
Dial:	White aluminum with psi graduations in black and kPa graduations in blue
Ring:	Steel, painted black
Lens:	Polycarbonate
Pointer:	Steel, painted black
Connection:	1/8 in nptm or 1/4 in nptm bottom or center back mount
Wetted parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperature:	-40 à 150°F / -40 à 65°C
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

Multiple purpose pressure gauge, competitively priced: pneumatics, hydraulics, plumbing, HVAC, compressors, pumps, pools, etc.

Dimensions as per diagram

Ø	Connection	A	B	C	D	E	F	G
1.5 in (40 mm)	bottom	2.22 in (56.4 mm)	1.66 in (42.2 mm)	0.98 in (24.9 mm)	1.60 in (40.6 mm)	0.32 in (8.1 mm)	1/8 in nptm	7/16 flat (11 mm)
	center back	1.58 in (40.1 mm)	1.66 in (42.2 mm)	0.98 in (24.9 mm)	1.60 in (40.6 mm)	0.80 in (20.3 mm)	1/8 in nptm	7/16 flat (11 mm)
2 in (50 mm)	bottom	2.82 in (71.63 mm)	2.07 in (52.6 mm)	1.11 in (28.2 mm)	2.01 in (50.9 mm)	0.39 in (9.91 mm)	1/8 in nptm 1/4 in nptm	7/16 flat (11 mm) 9/16 flat (14 mm)
	center back	1.83 in (46.5 mm)	2.07 in (52.6 mm)	1.11 in (28.2 mm)	2.01 in (50.9 mm)	1 in (25.5 mm)	1/8 in nptm 1/4 in nptm	7/16 flat (11 mm) 7/16 flat (11 mm)
2.5 in (63 mm)	bottom	3.26 in (82.8 mm)	2.5 in (63.5 mm)	1.11 in (28.2 mm)	2.44 in (61.9 mm)	0.39 in (9.91 mm)	1/4 in nptm	9/16 flat (14 mm)
	center back	1.87 in (47.5 mm)	2.5 in (63.5 mm)	1.11 in (28.2 mm)	2.44 in (61.9 mm)	1.2 in (32 mm)	1/4 in nptm	9/16 flat (14 mm)
4 in (100 mm)	bottom	4.92 in (125 mm)	3.95 in (100 mm)	1.28 in (32.5 mm)	3.88 in (98.5 mm)	0.43 in (10.9 mm)	1/4 in nptm	9/16 flat (14 mm)
	center back	2.22 in (56.4 mm)	3.90 in (99 mm)	1.28 in (32.5 mm)	3.88 in (98.5 mm)	1.5 in (38.1 mm)	1/4 in nptm	9/16 flat (14 mm)

MULTIPLE PURPOSE PRESSURE GAUGE

MODEL A

To order, use the code in the corresponding column

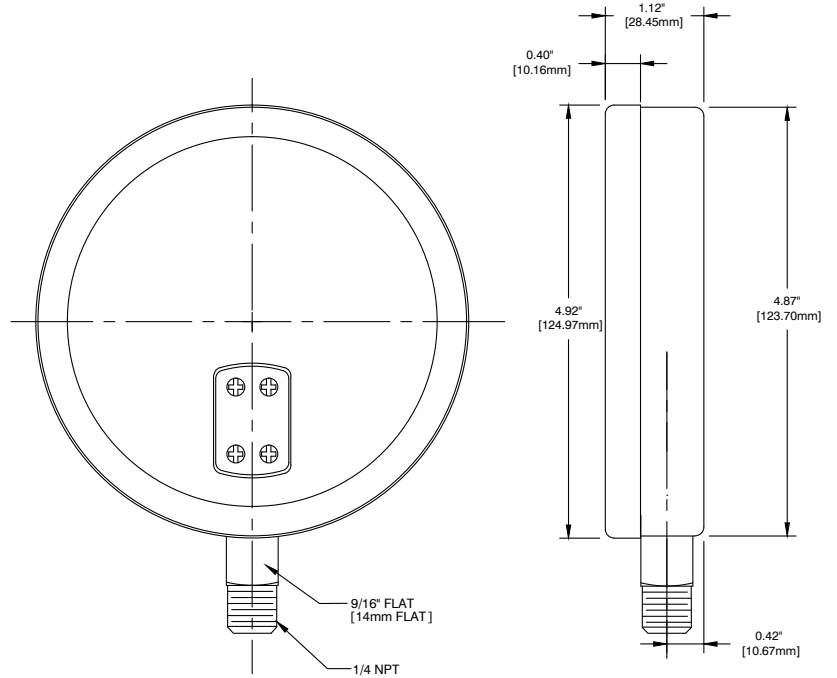
Size	1 1/2 in (40 mm)			2 in (50 mm)				2 1/2 in (63 mm)		4 in (100 mm)	
Case	steel										
Brass Connection	1/8 in nptm bottom	1/8 in nptm center back	1/8 in nptm bottom	1/8 in nptm center back	1/8 in bsptm center back	1/4 in nptm bottom	1/4 in nptm center back	1/4 in nptm bottom	1/4 in nptm center back	1/4 in nptm bottom	1/4 in nptm center back
Range											
-30 in Hg to 0 vac/kPa	150A01	151A01	200A01-125	201A01-125		200A01-250	201A01-250	250A01	251A01	400A01	401A01
-30 in Hg to 15 psi/kPa								250A02	251A02	400A02	401A02
-30 in Hg to 30 psi/kPa								250A03	251A03	400A03	401A03
-30 in Hg to 60 psi/kPa								250A04	251A04	400A04	401A04
-30 in Hg to 100 psi/kPa								250A05	251A05	400A05	401A05
-30 in Hg to 160 psi/kPa								250A06	251A06	400A06	401A06
-30 in Hg to 200 psi/kPa								250A07	251A07	400A07	401A07
-30 in Hg to 300 psi/kPa								250A08	251A08	400A08	401A08
0 to 15 psi/kPa	150A09	151A09	200A09-125	201A09-125		200A09-250	201A09-250	250A09	251A09	400A09	401A09
0 to 30 psi/kPa	150A10	151A10	200A10-125	201A10-125		200A10-250	201A10-250	250A10	251A10	400A10	401A10
0 to 60 psi/kPa	150A11	151A11	200A11-125	201A11-125		200A11-250	201A11-250	250A11	251A11	400A11	401A11
0 to 100 psi/kPa	150A12	151A12	200A12-125	201A12-125		200A12-250	201A12-250	250A12	251A12	400A12	401A12
0 to 160 psi/kPa	150A13	151A13	200A13-125	201A13-125		200A13-250	201A13-250	250A13	251A13	400A13	401A13
0 to 200 psi/kPa	150A14	151A14	200A14-125	201A14-125	201A14-125 BSPT	200A14-250	201A14-250	250A14	251A14	400A14	401A14
0 to 300 psi/kPa	150A15	151A15	200A15-125	201A15-125		200A15-250	201A15-250	250A15	251A15	400A15	401A15
0 to 400 psi/kPa	150A23	151A23	200A23-125	201A23-125		200A23-250	201A23-250	250A23	251A23	400A23	401A23
0 to 600 psi/kPa	150A16	151A16	200A16-125	201A16-125		200A16-250	201A16-250	250A16	251A16	400A16	401A16
0 to 1,000 psi/kPa	150A17	151A17	200A17-125	201A17-125		200A17-250	201A17-250	250A17	251A17	400A17	401A17
0 to 1,500 psi/kPa								250A18	251A18	400A18	401A18
0 to 2,000 psi/kPa								250A22	251A22	400A22	401A22
0 to 3,000 psi/kPa								250A19	251A19	400A19	401A19
0 to 5,000 psi/kPa										400A20	401A20

Option

Back flange for 4 in only

CONTRACTOR GAUGE MODEL 450CB

Illustrated model: 450CB



Specifications

Case:	4 ½ in (115 mm), 304 stainless steel
Dial:	White aluminum, psi graduations in black, kPa graduations in blue
Ring:	304 stainless steel
Lens:	Polycarbonate
Pointer:	Anodized black aluminum, recalibrator screw
Connection:	¼ in nptm bottom mount
Wetted parts:	Brass
Bourdon tube:	Phosphor bronze
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Maximum process and ambient temperature:	-40 to 150°F / -40 to 65°C
Accuracy:	ASME B40.100(B40.1), Grade 1A ± 1 %

Applications

Equipment manufacturers, plumbing, HVAC and mechanical contractors.

INDUSTRIAL GAUGE 4 1/2 in
MODEL 450CB

To order, use the code in the corresponding column

Size	4 1/2 in (115 mm)
Case	304 stainless steel
Connection	1/4 in nptm brass bottom
Range	
-30 in Hg to 0 vac/kPa	450CB01
-30 in Hg to 15 psi/kPa	450CB02
-30 in Hg to 30 psi/kPa	450CB03
-30 in Hg to 60 psi/kPa	450CB04
-30 in Hg to 100 psi/kPa	450CB05
-30 in Hg to 160 psi/kPa	450CB06
-30 in Hg to 200 psi/kPa	450CB07
-30 in Hg to 300 psi/kPa	450CB08
0 to 15 psi/kPa	450CB09
0 to 30 psi/kPa	450CB10
0 to 60 psi/kPa	450CB11
0 to 100 psi/kPa	450CB12
0 to 160 psi/kPa	450CB13
0 to 200 psi/kPa	450CB14
0 to 300 psi/kPa	450CB15
0 to 400 psi/kPa	450CB23
0 to 600 psi/kPa	450CB16
0 to 1,000 psi/kPa	450CB17
0 to 1,500 psi/kPa	450CB18
0 to 2,000 psi/kPa	450CB22
0 to 3,000 psi/kPa	450CB19
0 to 5,000 psi/kPa	450CB20

INDUSTRIAL GAUGE MANUFACTURED AT OUR PLANT
MODELS 450PC6 AND 451PC6

Illustrated model: 450PC6

Illustrated model: 451PC6

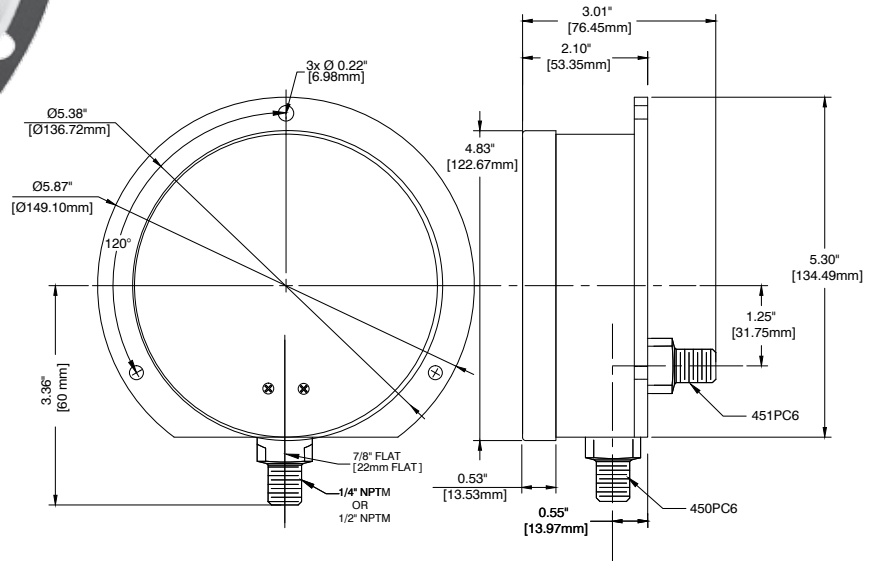


Diagram: 450PC6 and 451PC6

Specifications

Case:	Black molded aluminum, rear flange standard, also available without flange with extra
Dial:	4 ½ in (115 mm), white aluminum background, graduations psi and kPa in black
Ring:	Steel chrome plated
Lens:	Glass or polycarbonate
Pointer:	Black painted aluminum, adjustable micrometer
Connection:	¼ or ½ in nptm bottom or lower back mount
Wetted parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperature:	-40 à 150°F / -40 à 65°C
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade A ± 1 % also available Grade 2A ± 0.5 %

Applications

Designed for optimum precision where accuracy and repeatability are of the utmost importance. Used in laboratories and various industries that require precise measurement. Manufactured entirely at our facility in Delson, Qc. Calibration test certificates traceable to NRC and to NIST are available.

INDUSTRIAL GAUGE MANUFACTURED AT OUR PLANT

MODELS 450PC6 AND 451PC6

To order, use the code in the corresponding column

Connection	1/4 in nptm	1/2 in nptm	1/4 in nptm	1/2 in nptm
	brass			
	bottom		lower back	
Range				
-30 in Hg to 0 vac/kPa	450PC6-01	450PC6-01-50	451PC6-01	451PC6-01-50
0 to 15 psi/kPa	450PC6-09	450PC6-09-50	451PC6-09	451PC6-09-50
0 to 30 psi/kPa	450PC6-10	450PC6-10-50	451PC6-10	451PC6-10-50
0 to 60 psi/kPa	450PC6-11	450PC6-11-50	451PC6-11	451PC6-11-50
0 to 100 psi/kPa	450PC6-12	450PC6-12-50	451PC6-12	451PC6-12-50
0 to 160 psi/kPa	450PC6-13	450PC6-13-50	451PC6-13	451PC6-13-50
0 to 200 psi/kPa	450PC6-14	450PC6-14-50	451PC6-14	451PC6-14-50
0 to 300 psi/kPa	450PC6-15	450PC6-15-50	451PC6-15	451PC6-15-50
0 to 400 psi/kPa	450PC6-23	450PC6-23-50	451PC6-23	451PC6-23-50
0 to 600 psi/kPa	450PC6-16	450PC6-16-50	451PC6-16	451PC6-16-50
0 to 1,000 psi/kPa	450PC6-17	450PC6-17-50	451PC6-17	451PC6-17-50
0 to 2,000 psi/kPa	450PC6-22	450PC6-22-50	451PC6-22	451PC6-22-50

GLYCERIN FILLED INDUSTRIAL PRESSURE GAUGE MODEL LFB

Illustrated model: 250LFB10



Illustrated model: 251LFB19



Diagram: LFB BOTTOM 1.5, 2.5 and 4 in

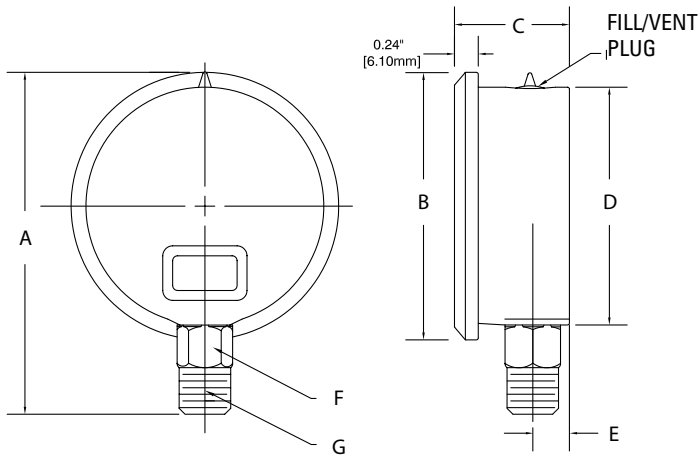
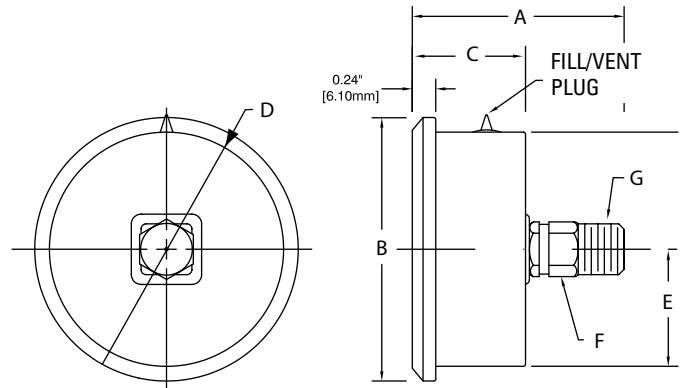


Diagram: LFB CENTER BACK 1.5 and 2.5 in



Specifications

Case:	304 stainless steel
Dial:	White aluminum with psi graduations in black and kPa graduations in blue
Ring:	304 stainless steel, hermetically sealed or bayonet style (model BAY)
Lens:	Polycarbonate
Pointer:	Anodized black aluminum
Connection:	1 ½ in (40 mm) 1/8 in nptm bottom or center back, 2 ½ in (63 mm) ¼ in nptm bottom or center back, 4 in (100 mm) ¼ in nptm bottom or lower back
Wetted parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperatures:	-40 to 150°F / -40 to 65°C dry, 32 to 160°F / 0 to 70°C glycerin filled
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

Competitively priced gauge for multiple use: industrial, plumbing, HVAC, hydraulic, pneumatic, compressors, pumps, pools, etc.

GLYCERIN FILLED INDUSTRIAL PRESSURE GAUGE (CONTINUED) MODEL LFB

Illustrated model: 401LFB15



Illustrated model: 250LFB14-BAY

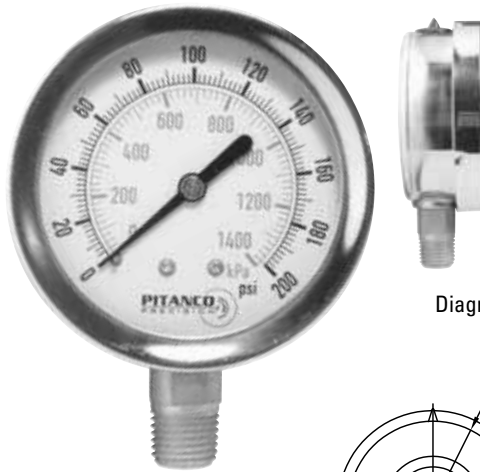


Diagram: 251LFB-BAY CENTER BACK

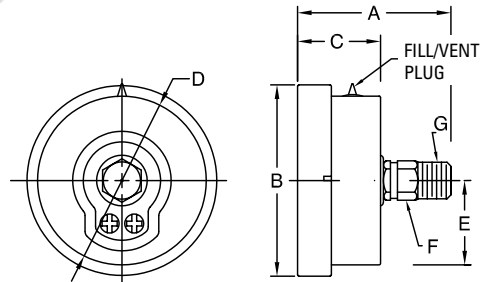


Diagram: LFB LOWER BACK 4 in

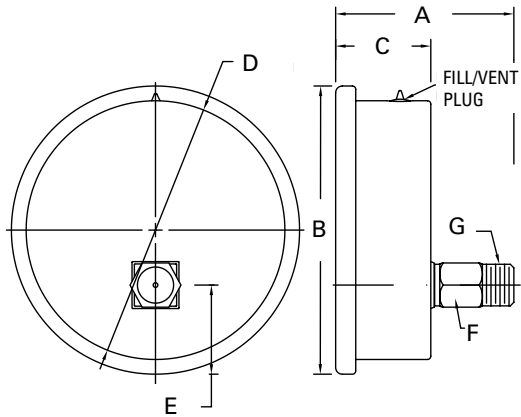
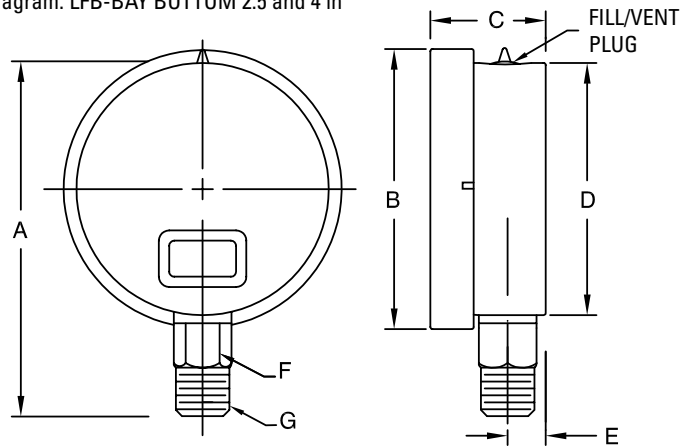


Diagram: LFB-BAY BOTTOM 2.5 and 4 in



Dimensions as per diagram

Ø	Connection	A	B	C	D	E	F	G
1.5 in (40 mm) hermetically sealed	bottom	2.43 in (61.7 mm)	1.84 in (46.7 mm)	1 in (25.4 mm)	1.6 in (40.6 mm)	0.30 in (7.6 mm)	7/16 hex. (11 mm)	1/8 in nptm
	center back	1.75 in (44.5 mm)	1.84 in (46.7 mm)	1 in (25.4 mm)	1.6 in (40.6 mm)	0.8 in (20.3 mm)	7/16 hex. (11 mm)	1/8 in nptm
2.5 in (63 mm) hermetically sealed	bottom	3.45 in (87.6 mm)	2.7 in (68.5 mm)	1.16 in (29.4 mm)	2.4 in (60.9 mm)	0.37 in (9.4 mm)	9/16 hex. (14 mm)	1/4 in nptm
	center back	2.16 in (54.9 mm)	2.7 in (68.5 mm)	1.16 in (29.4 mm)	2.4 in (60.9 mm)	1.2 in (31 mm)	9/16 hex. (14 mm)	1/4 in nptm
2.5 in (63 mm) bayonet	bottom	3.45 in (87.6 mm)	2.74 in (69 mm)	1.18 in (30 mm)	2.4 in (60.9 mm)	0.37 in (9.4 mm)	9/16 hex. (14 mm)	1/4 in nptm
	center back	2.12 in (54.9 mm)	2.74 in (69 mm)	1.18 in (30 mm)	2.4 in (60.9 mm)	1.22 in (31 mm)	9/16 hex. (14 mm)	1/4 in nptm
4 in (100 mm) hermetically sealed	bottom	5.26 in (133.7 mm)	4.3 in (109.2 mm)	1.42 in (36 mm)	3.86 in (98 mm)	0.50 in (12.7 mm)	11/16 hex. (17 mm)	1/4 in nptm
	lower back	2.66 in (67.5 mm)	4.3 in (109.2 mm)	1.42 in (36 mm)	3.86 in (98 mm)	1.33 in (33.8 mm)	11/16 hex. (17 mm)	1/4 in nptm
4 in (100 mm) bayonet	bottom	5.31 in (109.2 mm)	4.3 in (109.2 mm)	1.53 in (38.9 mm)	3.90 in (99 mm)	0.50 in (12.7 mm)	11/16 hex. (17 mm)	1/4 in nptm
	lower back	2.66 in (67.5 mm)	4.3 in (109.2 mm)	1.53 in (38.9 mm)	3.90 in (99 mm)	1.33 in (33.8 mm)	11/16 hex. (17 mm)	1/4 in nptm

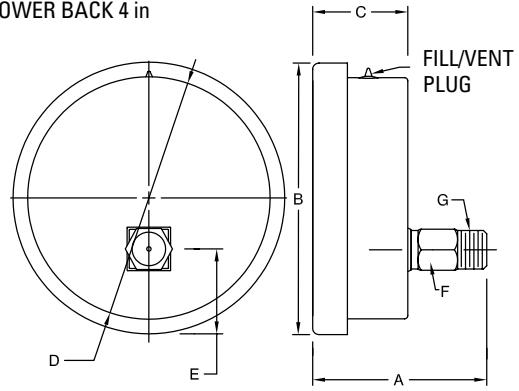
GLYCERIN FILLED INDUSTRIAL PRESSURE GAUGE (CONTINUED)

MODEL LFB

To order, use the code in the corresponding column

Illustrated model: 401LFB19-BAY

Diagram: LFB LOWER BACK 4 in



Size	1 1/2 in (40 mm)		2 1/2 in (63 mm)				4 in (100 mm)			
Case	304 stainless steel									
Brass Connection	1/8 in nptm bottom	1/8 in nptm center back	1/4 in nptm bottom	1/4 in nptm center back	1/4 in nptm bottom	1/4 in nptm center back	1/4 in nptm bottom	1/4 in nptm lower back	1/4 in nptm bottom	1/4 in nptm lower back
Ring	hermetic				bayonet		hermetic		bayonet	
Range										
-30 in Hg to 0 vac/kPa	150LFB01	151LFB01	250LFB01	251LFB01	250LFB01-BAY	251LFB01-BAY	400LFB01	401LFB01	400LFB01-BAY	401LFB01-BAY
-30 in Hg to 15 psi/kPa			250LFB02	251LFB02	250LFB02-BAY	251LFB02-BAY	400LFB02	401LFB02		
-30 in Hg to 30 psi/kPa			250LFB03	251LFB03	250LFB03-BAY	251LFB03-BAY	400LFB03	401LFB03		
-30 in Hg to 60 psi/kPa			250LFB04	251LFB04	250LFB04-BAY	251LFB04-BAY	400LFB04	401LFB04		
-30 in Hg to 100 psi/kPa			250LFB05	251LFB05	250LFB05-BAY	251LFB05-BAY	400LFB05	401LFB05		
-30 in Hg to 160 psi/kPa			250LFB06	251LFB06	250LFB06-BAY	251LFB06-BAY	400LFB06	401LFB06		
-30 in Hg to 200 psi/kPa			250LFB07	251LFB07	250LFB07-BAY	251LFB07-BAY	400LFB07	401LFB07		
-30 in Hg to 300 psi/kPa			250LFB08	251LFB08	250LFB08-BAY	251LFB08-BAY	400LFB08	401LFB08		
0 to 15 psi/kPa	150LFB09	151LFB09	250LFB09	251LFB09	250LFB09-BAY	251LFB09-BAY	400LFB09	401LFB09	400LFB09-BAY	401LFB09-BAY
0 to 30 psi/kPa	150LFB10	151LFB10	250LFB10	251LFB10	250LFB10-BAY	251LFB10-BAY	400LFB10	401LFB10	400LFB10-BAY	401LFB10-BAY
0 to 60 psi/kPa	150LFB11	151LFB11	250LFB11	251LFB11	250LFB11-BAY	251LFB11-BAY	400LFB11	401LFB11	400LFB11-BAY	401LFB11-BAY
0 to 100 psi/kPa	150LFB12	151LFB12	250LFB12	251LFB12	250LFB12-BAY	251LFB12-BAY	400LFB12	401LFB12	400LFB12-BAY	401LFB12-BAY
0 to 160 psi/kPa	150LFB13	151LFB13	250LFB13	251LFB13	250LFB13-BAY	251LFB13-BAY	400LFB13	401LFB13	400LFB13-BAY	401LFB13-BAY
0 to 200 psi/kPa	150LFB14	151LFB14	250LFB14	251LFB14	250LFB14-BAY	251LFB14-BAY	400LFB14	401LFB14	400LFB14-BAY	401LFB14-BAY
0 to 300 psi/kPa	150LFB15	151LFB15	250LFB15	251LFB15	250LFB15-BAY	251LFB15-BAY	400LFB15	401LFB15	400LFB15-BAY	401LFB15-BAY
0 to 400 psi/kPa	150LFB23	151LFB23	250LFB23	251LFB23	250LFB23-BAY	251LFB23-BAY	400LFB23	401LFB23	400LFB23-BAY	401LFB23-BAY
0 to 600 psi/kPa	150LFB16	151LFB16	250LFB16	251LFB16	250LFB16-BAY	251LFB16-BAY	400LFB16	401LFB16	400LFB16-BAY	401LFB16-BAY
0 to 1,000 psi/kPa	150LFB17	151LFB17	250LFB17	251LFB17	250LFB17-BAY	251LFB17-BAY	400LFB17	401LFB17	400LFB17-BAY	401LFB17-BAY
0 to 1,500 psi/kPa			250LFB18	251LFB18	250LFB18-BAY	251LFB18-BAY	400LFB18	401LFB18	400LFB18-BAY	401LFB18-BAY
0 to 2,000 psi/kPa	150LFB22	151LFB22	250LFB22	251LFB22	250LFB22-BAY	251LFB22-BAY	400LFB22	401LFB22	400LFB22-BAY	401LFB22-BAY
0 to 3,000 psi/kPa	150LFB19	151LFB19	250LFB19	251LFB19	250LFB19-BAY	251LFB19-BAY	400LFB19	401LFB19	400LFB19-BAY	401LFB19-BAY
0 to 4,000 psi/kPa			250LFB28	251LFB28			400LFB28	401LFB28		
0 to 5,000 psi/kPa			250LFB20	251LFB20	250LFB20-BAY	251LFB20-BAY	400LFB20	401LFB20	400LFB20-BAY	401LFB20-BAY
0 to 6,000 psi/kPa			250LFB25	251LFB25			400LFB25	401LFB25		
0 to 10,000 psi/kPa			250LFB21	251LFB21	250LFB21-BAY	251LFB21-BAY	400LFB21	401LFB21	*400LFB21-BAY-50	*401LFB21-BAY-50
0 to 15,000 psi/kPa			250LFB26	251LFB26			400LFB26	401LFB26		

Option

*Offered in 1/2 in nptm connection only

GLYCERIN FILLED INDUSTRIAL PRESSURE GAUGE (CONTINUED)

MODEL LFB

To order, use the code in the corresponding column

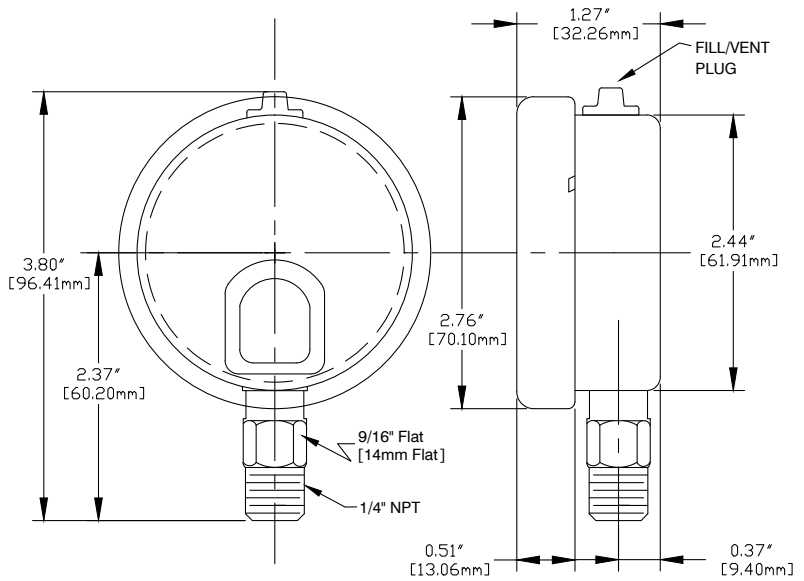
Size	2 1/2 in (63 mm)	
Case	304 stainless steel	
Brass connection	1/4 in nptm bottom	1/4 in nptm center back
Ring	hermetic	
Range	bar	
-30 in Hg to 0 vac/bar	250LFB01B	251LFB01B
-30 in Hg to 15 psi/bar		
-30 in Hg to 30 psi/bar		
-30 in Hg to 60 psi/bar		
-30 in Hg to 100 psi/bar		
-30 in Hg to 160 psi/bar		
-30 in Hg to 200 psi/bar		
-30 in Hg to 300 psi/bar		
0 to 15 psi/bar	250LFB09B	251LFB09B
0 to 30 psi/bar	250LFB10B	251LFB10B
0 to 40 psi/bar	250LFB24B	
0 to 60 psi/bar	250LFB11B	251LFB11B
0 to 100 psi/bar	250LFB12B	251LFB12B
0 to 12 bar/psi		251LFB29B
0 to 160 psi/bar	250LFB13B	251LFB13B
0 to 200 psi/bar	250LFB14B	251LFB14B
0 to 300 psi/bar	250LFB15B	251LFB15B
0 to 400 psi/bar	250LFB23B	251LFB23B
0 to 600 psi/bar	250LFB16B	251LFB16B
0 to 1,000 psi/bar	250LFB17B	251LFB17B
0 to 1,500 psi/bar	250LFB18B	251LFB18B
0 to 2,000 psi/bar	250LFB22B	251LFB22B
0 to 3,000 psi/bar	250LFB19B	251LFB19B
0 to 4,000 psi/bar		
0 to 5,000 psi/bar	250LFB20B	251LFB20B
0 to 6,000 psi/bar		
0 to 10,000 psi/bar	250LFB21B	251LFB21B
0 to 15,000 psi/bar		

Size	2 1/2 in (63 mm)	4 in (100 mm)
Case	304 stainless steel	
Brass connection	1/4 in bspp bottom	3/8 in bspp bottom
Ring	hermetic	
Range	bar	
0 to 10 bar/psi	250LFB-BSPP10	
0 to 10 bar		400LFB10B-375BSPP
0 to 16 bar/psi	250LFB-BSPP16	
0 to 20 kg/cm ²		400LFB20K-375BSPP
0 to 25 bar/psi	250LFB-BSPP25	
0 to 30 bar		400LFB30B-375BSPP
0 to 40 bar/psi	250LFB-BSPP40	
0 to 50 bar		400LFB50B-375BSPP
0 to 100 bar/psi	250LFB-BSPP100	
0 to 160 bar/psi	250LFB-BSPP160	
0 to 250 bar/psi	250LFB-BSPP250	
0 to 320 bar/psi	250LFB-BSPP320	
0 to 400 bar/psi	250LFB-BSPP400	
0 to 600 bar/psi	250LFB-BSPP600	

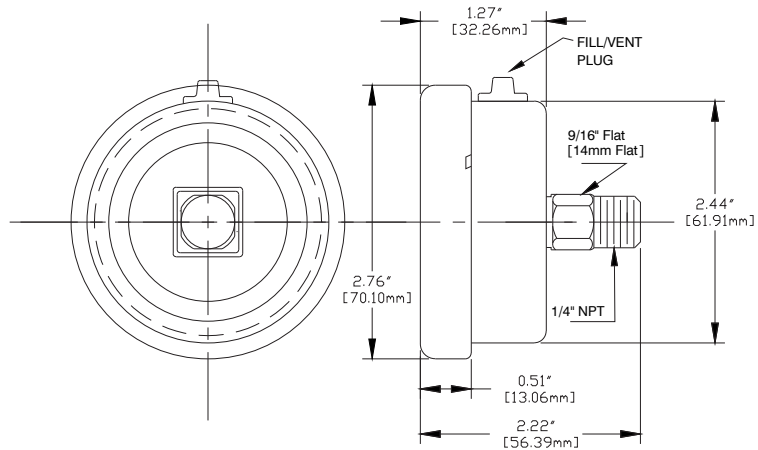
For psi/bar add the suffix "B" at the end of the code
 For psi/kg/cm² add the suffix "K" at the end of the code
 For dry gauge add the suffix "D" at the end of the code

OPTIMUM GLYCERIN FILLED GAUGE MODELS Q250SP AND Q251SP

Illustrated model: Q250SP



Illustrated model: Q251SP



Specifications

Case:	304 stainless steel with open/close lever style fill plug
Dial:	White aluminum with psi graduations in black and kPa in blue
Ring:	304 stainless steel bayonet style
Lens:	Polycarbonate
Pointer:	Anodized black aluminum
Connection:	1/4 in nptm bottom or center back
Wetted Parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperatures:	-40 to 150°F / -40 to 65°C dry 32 to 160°F / 0 to 70°C glycerin filled
Operating pressure:	Maximum 75 % of the full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

Superior quality multiple purpose pressure gauge: pneumatics, hydraulics, plumbing, HVAC, compressors, pumps, pools etc.

OPTIMUM GLYCERIN FILLED GAUGE

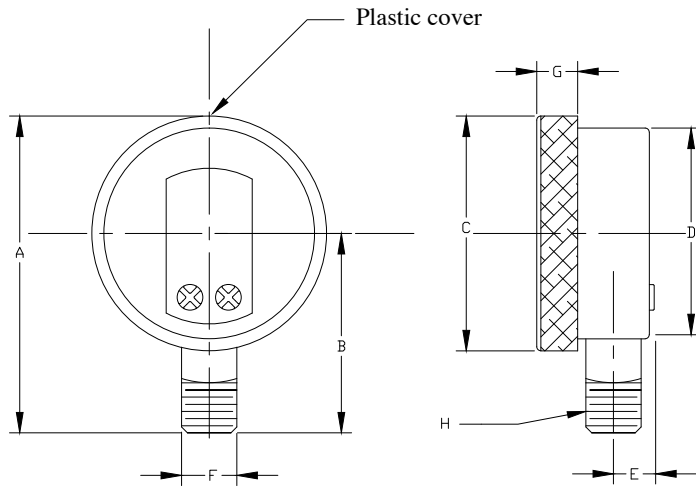
MODELS Q250SP AND Q251SP

To order, use the code in the corresponding column

Size	2 1/2 in (63 mm)	
Case	304 stainless steel	
Connection	1/4 in nptm	
	bottom brass	center back brass
Ring	bayonet	
Range		
-30 in Hg to 0 vac/kPa	Q250SP-01	Q251SP-01
-30 in Hg to 15 psi/kPa	Q250SP-02	Q251SP-02
-30 in Hg to 30 psi/kPa	Q250SP-03	Q251SP-03
-30 in Hg to 60 psi/kPa	Q250SP-04	Q251SP-04
-30 in Hg to 100 psi/kPa	Q250SP-05	Q251SP-05
-30 in Hg to 160 psi/kPa	Q250SP-06	Q251SP-06
-30 in Hg to 200 psi/kPa	Q250SP-07	Q251SP-07
-30 in Hg to 300 psi/kPa	Q250SP-08	Q251SP-08
0 to 15 psi/kPa	Q250SP-09	Q251SP-09
0 to 30 psi/kPa	Q250SP-10	Q251SP-10
0 to 60 psi/kPa	Q250SP-11	Q251SP-11
0 to 100 psi/kPa	Q250SP-12	Q251SP-12
0 to 160 psi/kPa	Q250SP-13	Q251SP-13
0 to 200 psi/kPa	Q250SP-14	Q251SP-14
0 to 300 psi/kPa	Q250SP-15	Q251SP-15
0 to 400 psi/kPa	Q250SP-23	Q251SP-23
0 to 600 psi/kPa	Q250SP-16	Q251SP-16
0 to 1,000 psi/kPa	Q250SP-17	Q251SP-17
0 to 1,500 psi/kPa	Q250SP-18	Q251SP-18
0 to 2,000 psi/kPa	Q250SP-22	Q251SP-22
0 to 3,000 psi/kPa	Q250SP-19	Q251SP-19
0 to 5,000 psi/kPa	Q250SP-20	Q251SP-20
0 to 10,000 psi/kPa	Q250SP-21	Q251SP-21
0 to 15,000 psi/kPa	Q250SP-26	Q251SP-26

WELDING GAUGES MODELS WB AND WSS

Illustrated model: WB



Specifications

Case:	Polished brass for WB, 316 stainless steel for WSS
Dial:	White aluminum with psi graduations in black and bar in blue with pictogram "use no oil"
Ring:	Screw-on plexiglass
Pointer:	Steel painted black
Connection:	¼ in nptm bottom, brass for WB ¼ in nptm bottom, 316 stainless steel for WSS
Wetted parts:	Brass for WB, 316 stainless steel for WSS
Bourdon tube:	Phosphor bronze for WB, 316 stainless steel for WSS
Maximum process and ambient temperature:	-40 à 150°F / -40 à 65°C
Operating pressure:	Maximum of 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

For pressure reading on oxygen and acetylene bottles regulator.

To order, use the code in the corresponding column

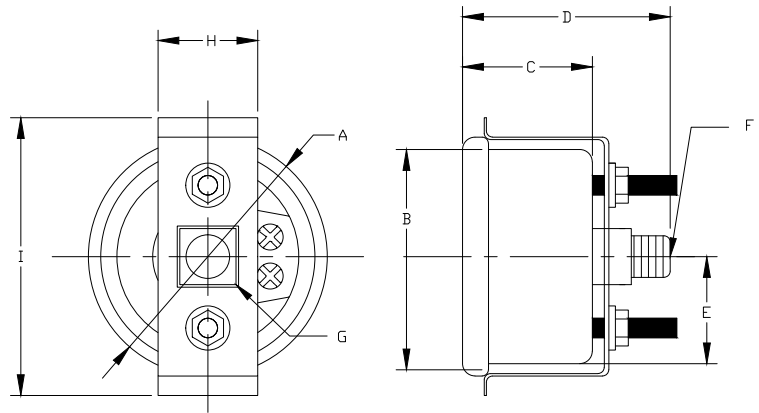
Size	2 in (50 mm)		2 1/2 in (63 mm)	
	1/4 in nptm bottom			
Connection				
Material	brass	316 stainless steel	brass	316 stainless steel
Range				
0 to 30 psi/bar	200WB-10B	200WSS316-10B	250WB-10B	250WSS316-10B
0 to 100 psi/bar	200WB-12B	200WSS316-12B	250WB-12B	250WSS316-12B
0 to 200 psi/bar	200WB-14B	200WSS316-14B	250WB-14B	250WSS316-14B
0 to 400 psi/bar	200WB-23B	200WSS316-23B	250WB-23B	250WSS316-23B
0 to 1,000 psi/bar	200WB-17B	200WSS316-17B	250WB-17B	250WSS316-17B
0 to 4,000 psi/bar	200WB-28B	200WSS316-28B	250WB-28B	250WSS316-28B
0 to 5,000 psi/bar	200WB-20B	200WSS316-20B	250WB-20B	250WSS316-20B

Dimensions as per diagram

Model	A	B	C	D	E	F	G	H
200WB/200WSS316	3.05 in (77.47 mm)	1.90 in (48.26 mm)	2.3 in (58.29 mm)	2.06 in (52.32 mm)	0.35 in (8.89 mm)	0.54 in (13.74 mm)	0.4 in (10.16 mm)	¼ npt
250WB/250WSS316	3.73 in (94.74 mm)	2.31 in (58.67 mm)	2.83 in (71.82 mm)	2.62 in (66.55 mm)	0.4 in (10.16 mm)	0.54 in (13.74 mm)	0.4 in (10.16 mm)	¼ npt

ALL PURPOSE PANEL MOUNT PRESSURE GAUGE MODEL PA

Illustrated model: PA



Specifications

Case:	Steel plated black complete with U-clamp
Dial:	White aluminum with psi graduations in black and kPa in blue
Ring:	304 stainless steel crimped
Lens:	Plastic
Pointer:	Steel painted black
Connection:	1/8 in or 1/4 in nptm center back (see chart)
Wetted Parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperature:	-40 à 150°F / -40 à 65°C
Operation pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

Primarily used where panel mounting is required: air pressure, oil, water or any process compatible with brass.

To order, use the code in the corresponding column

Size	1 1/2 in (40 mm)	2 in (50 mm)		2 1/2 in (63 mm)
Connection	1/8 in nptm center back brass		1/4 in nptm center back brass	
Range				
-30 in Hg to 0 vac/kPa	PA151UC01	PA201UC01-125	PA201UC01-250	PA251UC01
0 to 15 psi/kPa	PA151UC09	PA201UC09-125	PA201UC09-250	PA251UC09
0 to 30 psi/kPa	PA151UC10	PA201UC10-125	PA201UC10-250	PA251UC10
0 to 60 psi/kPa	PA151UC11	PA201UC11-125	PA201UC11-250	PA251UC11
0 to 100 psi/kPa	PA151UC12	PA201UC12-125	PA201UC12-250	PA251UC12
0 to 160 psi/kPa	PA151UC13	PA201UC13-125	PA201UC13-250	PA251UC13
0 to 200 psi/kPa	PA151UC14	PA201UC14-125	PA201UC14-250	PA251UC14
0 to 300 psi/kPa	PA151UC15	PA201UC15-125	PA201UC15-250	PA251UC15
0 to 3,000 psi/kPa	PA151UC19			

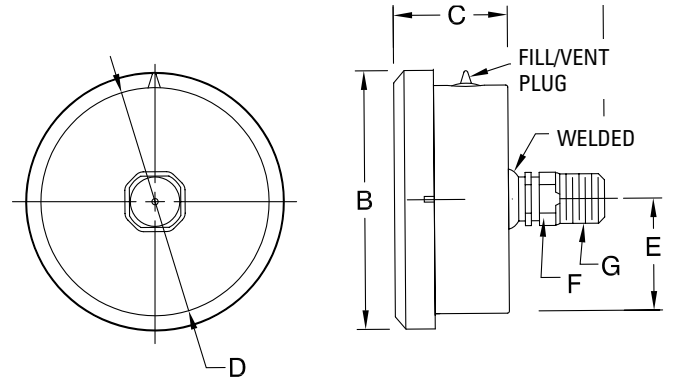
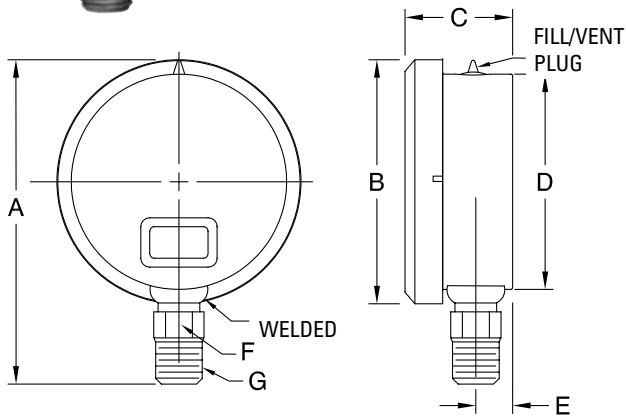
Dimensions as per diagram

Model	A	B	C	D	E	F	G	H	I
PA151UC	1.84 in (46.74 mm)	1.62 in (41.15 mm)	1.12 in (28.58 mm)	1.75 in (44.20 mm)	0.98 in (25 mm)	1/8 npt	0.42 in (10.67 mm)	0.78 in (19.81 mm)	2.20 in (55.88 mm)
PA201UC-125	2.30 in (58.42 mm)	2.06 in (52.37 mm)	1.25 in (31.75 mm)	2.0 in (50.80 mm)	1.38 in (34.93 mm)	1/8 npt	0.54 in (13.72 mm)	0.96 in (24.38 mm)	2.68 in (67.95 mm)
PA201UC-250	2.30 in (58.42 mm)	2.06 in (52.37 mm)	1.25 in (31.75 mm)	2.0 in (50.80 mm)	1.38 in (34.93 mm)	1/4 npt	0.54 in (13.72 mm)	0.96 in (24.38 mm)	2.68 in (67.95 mm)
PA251UC	2.63 in (66.68 mm)	2.45 in (62.33 mm)	1.2 in (30.48 mm)	1.96 in (49.78 mm)	1.38 in (34.93 mm)	1/4 npt	0.54 in (13.72 mm)	0.96 in (24.38 mm)	2.93 in (74.42 mm)

**INDUSTRIAL PRESSURE GAUGE GLYCERIN FILLED
MODELS LFSS AND LFSSW**

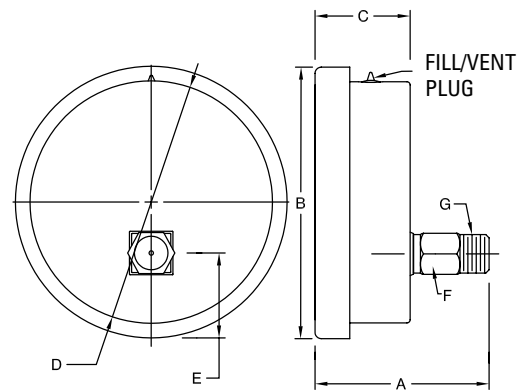
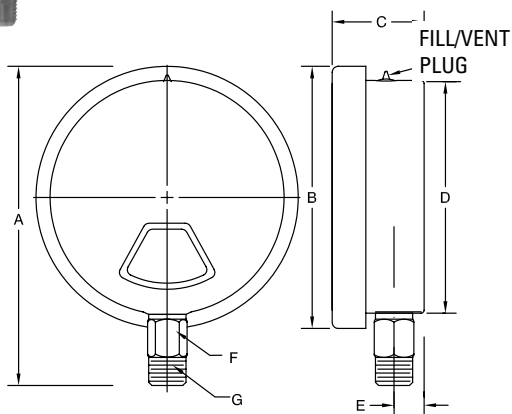
Illustrated model: 250LFSS21W

Illustrated model: 251LFSS12W



Illustrated model: 400LFSS12

Illustrated model: 401LFSS19



INDUSTRIAL PRESSURE GAUGE GLYCERIN FILLED (CONTINUED)
MODELS LFSS AND LFSSW*

Illustrated model: 400LFSS07W



Illustrated model: 401LFSS09W

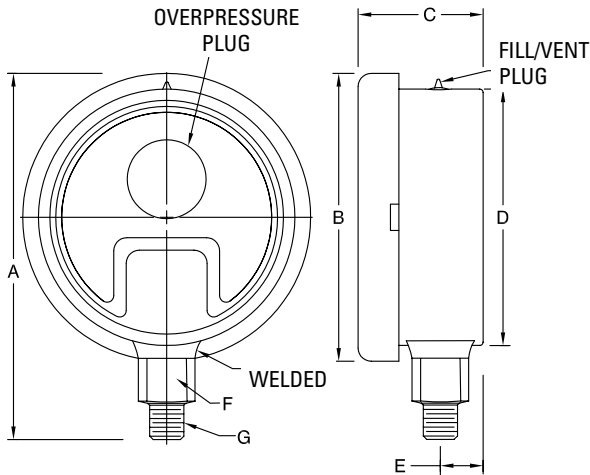


Diagram: 400 and 600LFSSW

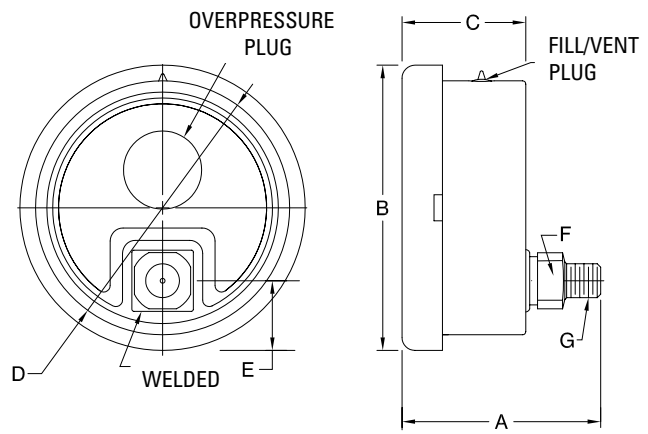


Diagram: 401 and 601LFSSW

Specifications

Case:	304 stainless steel
Dial:	White aluminum with psi graduations in black, kPa in blue
Ring:	304 stainless steel, bayonet style except 1 ½ in (40 mm) hermetically sealed
Lens:	Polycarbonate
Pointer:	LFSS: Black anodized aluminum for 1 ½ in (40 mm), 2 in (50 mm), 2 ½ in (63 mm) and 4 in (100 mm) LFSSW: adjustable pointer for 4 in (100 mm) and 6 in (150 mm)
Connection:	316 stainless steel
Wetted parts:	316 stainless steel
Bourdon tube:	316 stainless steel
Maximum process and ambient temperatures:	-40 to 150°F / -40 to 65°C dry 32 to 160°F / 0 to 70°C glycerin filled
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %, 1 ½ in (40 mm), 2 in (50 mm), 2 ½ in (63 mm) and 4 in (100 mm) LFSS Grade A ± 1 % for 4 in (100 mm) and 6 in (150 mm) LFSSW

Applications

Competitively priced gauges for multiple use: industrial, pneumatic, hydraulic, plumbing, HVAC, pumps, compressors, etc.

*Models LFSSW 4 in (100 mm) and 6 in (150 mm) are dry but liquid-fillable.

INDUSTRIAL PRESSURE GAUGE GLYCERIN FILLED (CONTINUED)
MODELS LFSS AND LFSSW*

Illustrated model: 601LFSS09W



Illustrated model: 600LFSS14W



Dimensions as per diagram								
Ø	Connection	A	B	C	D	E	F	G
1.5 in (40 mm)	bottom welded	2.49 in (63 mm)	1.83 in (46 mm)	0.98 in (25 mm)	1.6 in (41 mm)	0.32 in (8 mm)	7/16 flat (11 mm)	1/8 in nptm
	hermetic	center back welded	1.75 in (44 mm)	1.83 in (46 mm)	0.98 in (25 mm)	1.6 in (41 mm)	0.8 in (20 mm)	7/16 flat (11 mm)
2 in (50 mm)	bottom welded	3.17 in (80.4 mm)	2.3 in (58 mm)	1.1 in (28.2 mm)	2 in (51.6 mm)	0.41 in (10.4 mm)	9/16 hex. (14 mm)	1/4 in nptm
	bayonet	center back welded	2.11 in (53.6 mm)	2.3 in (58 mm)	1.1 in (28.2 mm)	2 in (51.6 mm)	1 in (25.8 mm)	9/16 hex. (14 mm)
2.5 in (63 mm)	bottom welded	3.6 in (92.11 mm)	2.7 in (69 mm)	1.2 in (30.5 mm)	2.4 in (61 mm)	0.41 in (10.4 mm)	9/16 hex. (14 mm)	1/4 in nptm
	bayonet	center back welded	2.2 in (56.1 mm)	2.7 in (69 mm)	1.2 in (30.5 mm)	2.4 in (61 mm)	1.2 in (30.5 mm)	9/16 hex. (14 mm)
4 in (100 mm)	bottom	5.3 in (135.1 mm)	4.4 in (111 mm)	1.5 in (38.9 mm)	3.9 in (99 mm)	0.5 in (12.7 mm)	11/16 hex. (17 mm)	1/4 in nptm
	bayonet	lower back	2.8 in (71.2 mm)	4.4 in (111 mm)	1.5 in (38.9 mm)	3.9 in (99 mm)	1.4 in (34.7 mm)	11/16 hex. (17 mm)
4 in (100 mm)	bottom welded	5.6 in (142.2 mm)	4.4 in (111 mm)	1.9 in (48.3 mm)	3.9 in (99 mm)	0.65 in (16.5 mm)	7/8 flat (22 mm)	1/4 in nptm
Premium Quality	lower back welded	3 in (76.2 mm)	4.4 in (111 mm)	1.9 in (48.3 mm)	3.9 in (99 mm)	0.85 in (22 mm)	7/8 flat (22 mm)	1/4 in nptm
4 in (100 mm)	bottom welded	5.75 in (146 mm)	4.4 in (111 mm)	1.9 in (48.3 mm)	3.9 in (99 mm)	0.62 in (16 mm)	7/8 flat (22 mm)	1/2 in nptm
Premium Quality	lower back welded	3.3 in (84 mm)	4.4 in (111 mm)	1.9 in (48.3 mm)	3.9 in (99 mm)	0.83 in (21 mm)	7/8 flat (22 mm)	1/2 in nptm
6 in (150 mm)	bottom welded	7.62 in (194 mm)	6.3 in (160 mm)	1.9 in (48.3 mm)	5.86 in (149 mm)	0.57 in (14 mm)	7/8 flat (22 mm)	1/2 in nptm
Premium Quality	lower back welded	3.52 in (89 mm)	6.3 in (160 mm)	1.9 in (48.3 mm)	5.86 in (149 mm)	1.77 in (45 mm)	7/8 flat (22 mm)	1/2 in nptm

INDUSTRIAL PRESSURE GAUGE GLYCERIN FILLED (CONTINUED)

MODELS LFSS AND LFSSW*

To order, use the code in the corresponding column

Size	1 1/2 in (40 mm)		2 in (50 mm)		2 1/2 in (63 mm)		4 in (100 mm)	
Case	304 stainless steel							
Connection	1/8 in nptm		1/4 in nptm					
	bottom	center back	bottom	center back	bottom	center back	bottom	lower back
	316 stainless steel							
Ring	welded to case						not welded to case	
Ring	hermetic		bayonet					
Range								
-30 in Hg to 0 vac/kPa	150LFSS01W	151LFSS01W	200LFSS01W	201LFSS01W	250LFSS01W	251LFSS01W	400LFSS01	401LFSS01
-30 in Hg to 15 psi/kPa					250LFSS02W	251LFSS02W	400LFSS02	401LFSS02
-30 in Hg to 30 psi/kPa					250LFSS03W	251LFSS03W	400LFSS03	401LFSS03
-30 in Hg to 60 psi/kPa					250LFSS04W	251LFSS04W	400LFSS04	401LFSS04
-30 in Hg to 100 psi/kPa					250LFSS05W	251LFSS05W	400LFSS05	401LFSS05
-30 in Hg to 160 psi/kPa					250LFSS06W	251LFSS06W	400LFSS06	401LFSS06
-30 in Hg to 200 psi/kPa					250LFSS07W	251LFSS07W	400LFSS07	401LFSS07
-30 in Hg to 300 psi/kPa					250LFSS08W	251LFSS08W	400LFSS08	401LFSS08
0 to 15 psi/kPa			200LFSS09W	201LFSS09W	250LFSS09W	251LFSS09W	400LFSS09	401LFSS09
0 to 30 psi/kPa	150LFSS10W	151LFSS10W	200LFSS10W	201LFSS10W	250LFSS10W	251LFSS10W	400LFSS10	401LFSS10
0 to 60 psi/kPa	150LFSS11W	151LFSS11W	200LFSS11W	201LFSS11W	250LFSS11W	251LFSS11W	400LFSS11	401LFSS11
0 to 100 psi/kPa	150LFSS12W	151LFSS12W	200LFSS12W	201LFSS12W	250LFSS12W	251LFSS12W	400LFSS12	401LFSS12
0 to 160 psi/kPa	150LFSS13W	151LFSS13W	200LFSS13W	201LFSS13W	250LFSS13W	251LFSS13W	400LFSS13	401LFSS13
0 to 200 psi/kPa	150LFSS14W	151LFSS14W	200LFSS14W	201LFSS14W	250LFSS14W	251LFSS14W	400LFSS14	401LFSS14
0 to 300 psi/kPa	150LFSS15W	151LFSS15W	200LFSS15W	201LFSS15W	250LFSS15W	251LFSS15W	400LFSS15	401LFSS15
0 to 400 psi/kPa			200LFSS23W	201LFSS23W	250LFSS23W	251LFSS23W	400LFSS23	401LFSS23
0 to 600 psi/kPa			200LFSS16W	201LFSS16W	250LFSS16W	251LFSS16W	400LFSS16	401LFSS16
0 to 1,000 psi/kPa			200LFSS17W	201LFSS17W	250LFSS17W	251LFSS17W	400LFSS17	401LFSS17
0 to 1,500 psi/kPa					250LFSS18W	251LFSS18W	400LFSS18	401LFSS18
0 to 2,000 psi/kPa					250LFSS22W	251LFSS22W	400LFSS22	401LFSS22
0 to 3,000 psi/kPa			200LFSS19W	201LFSS19W	250LFSS19W	251LFSS19W	400LFSS19	401LFSS19
0 to 5,000 psi/kPa					250LFSS20W	251LFSS20W	400LFSS20	401LFSS20
0 to 10,000 psi/kPa					250LFSS21W	251LFSS21W	400LFSS21	401LFSS21

Option

*Models LFSSW 4 in (100 mm) and 6 in (150 mm) are dry but liquid-fillable.

INDUSTRIAL PRESSURE GAUGE GLYCERIN FILLED (CONTINUED)

MODELS LFSS AND LFSSW*

To order, use the code in the corresponding column

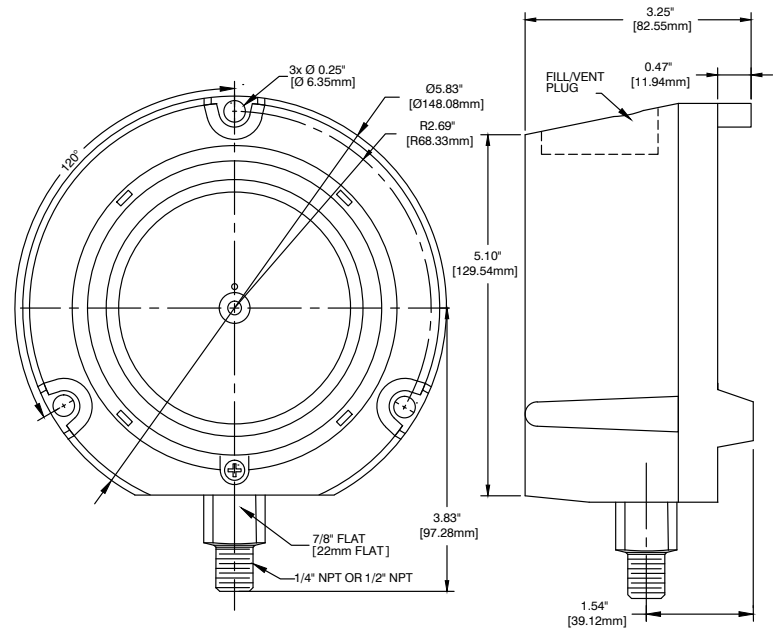
Size	4 in (100 mm) LFSSW Grade A				6 in (150 mm) Grade A	
Case	304 stainless steel					
Connection	1/4 in nptm		1/2 in nptm			
	bottom	lower back	bottom	lower back	bottom	lower back
Ring	316 stainless steel welded to case					
Range	bayonet					
-30 in Hg to 0 vac/kPa	400LFSS01W	401LFSS01W	400LFSS01W-50	401LFSS01W-50	600LFSS01W	601LFSS01W
-30 in Hg to 15 psi/kPa	400LFSS02W	401LFSS02W	400LFSS02W-50	401LFSS02W-50		
-30 in Hg to 30 psi/kPa	400LFSS03W	401LFSS03W	400LFSS03W-50	401LFSS03W-50		601LFSS03W
-30 in Hg to 60 psi/kPa	400LFSS04W	401LFSS04W	400LFSS04W-50	401LFSS04W-50		
-30 in Hg to 100 psi/kPa	400LFSS05W	401LFSS05W	400LFSS05W-50	401LFSS05W-50		
-30 in Hg to 160 psi/kPa	400LFSS06W	401LFSS06W	400LFSS06W-50	401LFSS06W-50		
-30 in Hg to 200 psi/kPa	400LFSS07W	401LFSS07W	400LFSS07W-50	401LFSS07W-50		
-30 in Hg to 300 psi/kPa	400LFSS08W	401LFSS08W	400LFSS08W-50	401LFSS08W-50		
0 to 15 psi/kPa	400LFSS09W	401LFSS09W	400LFSS09W-50	401LFSS09W-50	600LFSS09W	601LFSS09W
0 to 30 psi/kPa	400LFSS10W	401LFSS10W	400LFSS10W-50	401LFSS10W-50	600LFSS10W	601LFSS10W
0 to 60 psi/kPa	400LFSS11W	401LFSS11W	400LFSS11W-50	401LFSS11W-50	600LFSS11W	601LFSS11W
0 to 100 psi/kPa	400LFSS12W	401LFSS12W	400LFSS12W-50	401LFSS12W-50	600LFSS12W	601LFSS12W
0 to 160 psi/kPa	400LFSS13W	401LFSS13W	400LFSS13W-50	401LFSS13W-50	600LFSS13W	601LFSS13W
0 to 200 psi/kPa	400LFSS14W	401LFSS14W	400LFSS14W-50	401LFSS14W-50	600LFSS14W	601LFSS14W
0 to 300 psi/kPa	400LFSS15W	401LFSS15W	400LFSS15W-50	401LFSS15W-50	600LFSS15W	601LFSS15W
0 to 400 psi/kPa	400LFSS23W	401LFSS23W	400LFSS23W-50	401LFSS23W-50	600LFSS23W	601LFSS23W
0 to 600 psi/kPa	400LFSS16W	401LFSS16W	400LFSS16W-50	401LFSS16W-50	600LFSS16W	601LFSS16W
0 to 1,000 psi/kPa	400LFSS17W	401LFSS17W	400LFSS17W-50	401LFSS17W-50	600LFSS17W	601LFSS17W
0 to 1,500 psi/kPa	400LFSS18W	401LFSS18W	400LFSS18W-50	401LFSS18W-50		
0 to 2,000 psi/kPa	400LFSS22W	401LFSS22W	400LFSS22W-50	401LFSS22W-50	600LFSS22W	601LFSS22W
0 to 3,000 psi/kPa	400LFSS19W	401LFSS19W	400LFSS19W-50	401LFSS19W-50	600LFSS19W	601LFSS19W
0 to 5,000 psi/kPa	400LFSS20W	401LFSS20W	400LFSS20W-50	401LFSS20W-50	600LFSS20W	601LFSS20W
0 to 10,000 psi/kPa	400LFSS21W	401LFSS21W	400LFSS21W-50	401LFSS21W-50	600LFSS21W	601LFSS21W
0 to 15,000 psi/kPa			400LFSS26W-50	401LFSS26W-50	600LFSS26W	601LFSS26W

Options

*Models LFSSW 4 in (100 mm) and 6 in (150 mm) are dry but liquid-fillable.
 MAX400 = 4 in Glass with needle indicating the maximum pressure.

PROCESS GAUGE MODELS 450PB AND 450PSS

Illustrated model: 450PB15



Specifications

Case:	4 ½ in (115 mm), reinforced black thermoplastic
Dial:	White aluminum with psi graduations in black, kPa in blue
Ring:	Reinforced black thermoplastic
Lens:	Acrylic
Pointer:	Black anodized aluminum, micrometer adjustable
Connection:	¼ in nptm or ½ in nptm bottom or lower back mount
Wetted parts:	Brass for PB / 316 stainless steel for PSS
Bourdon tube:	Phosphor bronze for PB / 316 stainless steel for PSS
Maximum process and ambient temperature:	-40 to 200°F / -40 to 93°C dry standard model 32 to 160°F / 0 to 70°C glycerin filled
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade 2A ± 0.5 %

Applications

Used in refineries, chemical plants, industries, etc. Where operator safety and accuracy are very important factors.

PROCESS GAUGE (CONTINUED)

MODELS 450PB AND 450PSS

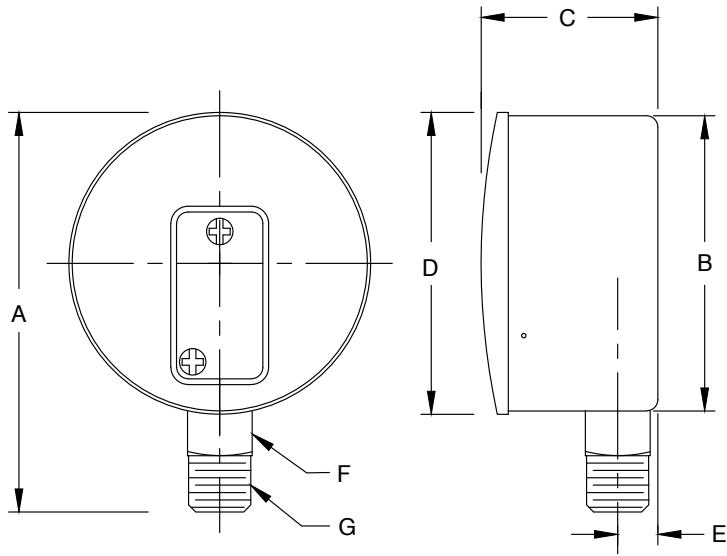
To order, use the code in the corresponding column

Size	4 1/2 in (115 mm)		
Case	thermoplastic		
Connection	1/4 in nptm		1/2 in nptm
	bottom brass	bottom 316 stainless steel	
Range			
-30 in Hg to 0 vac/kPa	450PB01	450PSS01	450PSS01-50
-30 in Hg to 15 psi/kPa	450PB02	450PSS02	450PSS02-50
-30 in Hg to 30 psi/kPa	450PB03	450PSS03	450PSS03-50
-30 in Hg to 60 psi/kPa	450PB04	450PSS04	450PSS04-50
-30 in Hg to 100 psi/kPa	450PB05	450PSS05	450PSS05-50
-30 in Hg to 160 psi/kPa	450PB06	450PSS06	450PSS06-50
-30 in Hg to 200 psi/kPa	450PB07	450PSS07	450PSS07-50
-30 in Hg to 300 psi/kPa	450PB08	450PSS08	450PSS08-50
0 to 15 psi/kPa	450PB09	450PSS09	450PSS09-50
0 to 30 psi/kPa	450PB10	450PSS10	450PSS10-50
0 to 60 psi/kPa	450PB11	450PSS11	450PSS11-50
0 to 100 psi/kPa	450PB12	450PSS12	450PSS12-50
0 to 160 psi/kPa	450PB13	450PSS13	450PSS13-50
0 to 200 psi/kPa	450PB14	450PSS14	450PSS14-50
0 to 300 psi/kPa	450PB15	450PSS15	450PSS15-50
0 to 400 psi/kPa	450PB23	450PSS23	450PSS23-50
0 to 600 psi/kPa	450PB16	450PSS16	450PSS16-50
0 to 1,000 psi/kPa	450PB17	450PSS17	450PSS17-50
0 to 1,500 psi/kPa			450PSS18-50
0 to 2,000 psi/kPa	450PB22		450PSS22-50
0 to 3,000 psi/kPa			450PSS19-50
0 to 5,000 psi/kPa			450PSS20-50
0 to 10,000 psi/kPa			450PSS21-50

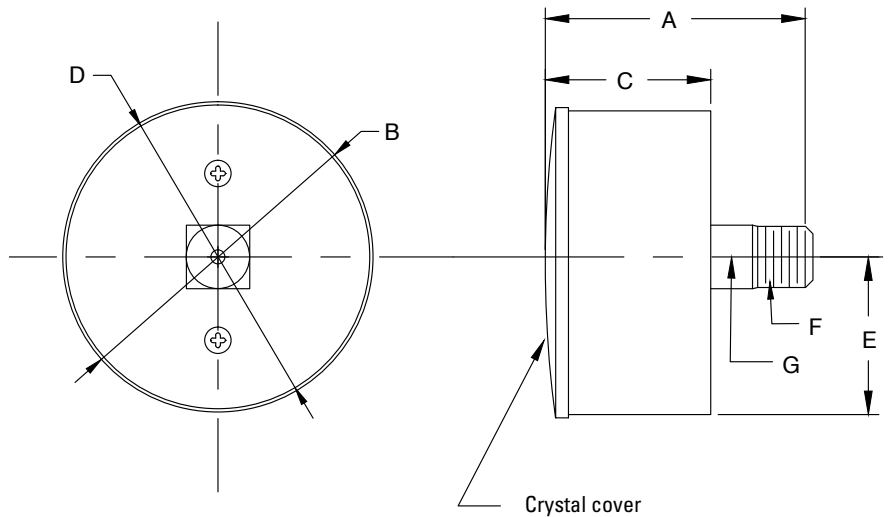
Connection lower back available upon request.
Standard: dry.

LOW PRESSURE GAUGE MODELS LPB AND LPSS

Illustrated model: 250LPB15W0



Illustrated model: 251LPB



Specifications

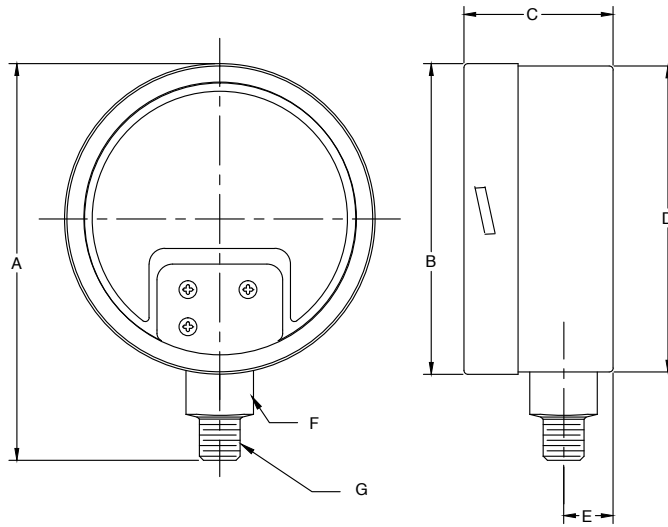
Case:	Steel, painted black for LPB / 304 stainless steel for LPSS
Dial:	White aluminum, H ₂ O or psi graduations in black, oz or kPa in blue
Cover and lens:	Snap-in polycarbonate for 2 1/2 in (63 mm), 304 stainless steel bayonet and polycarbonate lens for 4 in (100 mm)
Pointer:	Aluminum, painted black
Connection:	1/4 in nptm bottom or center back, brass for LPB / 316 stainless steel for LPSS
Wetted parts:	Brass for LPB / 316 stainless steel for LPSS
Capsule diaphragm:	Phosphor bronze for LPB / stainless steel for LPSS
Ambient temperature:	-40 to 150°F / -40 to 65°C
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25% over full scale value.
Accuracy:	ASME B40.100(B40.1), Grade B ± 2 %

Applications

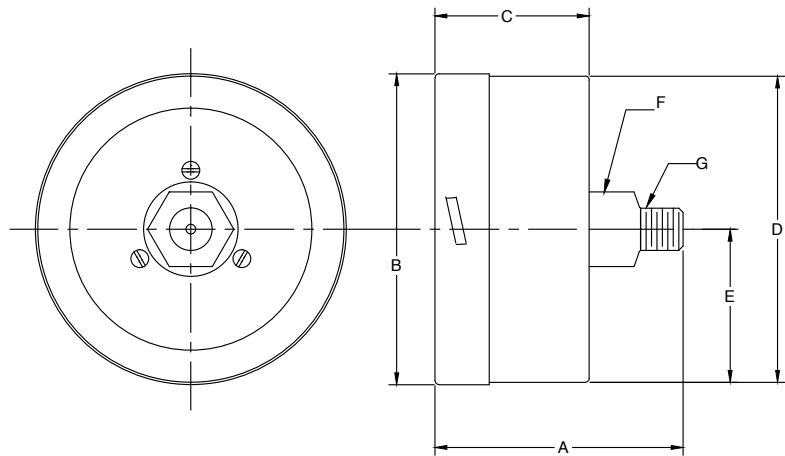
Ideal gauge for low pressure measurement of fluids and gases both corrosive and non-corrosive. Used in refineries, paper mills, water treatment plants, etc.

LOW PRESSURE GAUGE (CONTINUED)
MODELS LPB AND LPSS

Illustrated model: 400LPSS



Illustrated model: 401LPSS



Dimensions as per diagram

Model	Ø	Connection	A	B	C	D	E	F	G
250LPB	2.5 in	bottom	3.45 in	2.63 in	1.55 in	2.57 in	0.33 in	9/16 flat	¼ in npt
	(63 mm)		(87.6 mm)	(66.1 mm)	(39.4 mm)	(65.2 mm)	(8.4 mm)	(14 mm)	
250LPSS	2.5 in	bottom	3.57 in	2.63 in	1.55 in	2.57 in	0.33 in	9/16 flat	¼ in npt
	(63 mm)		(90.7 mm)	(66.1 mm)	(39.4 mm)	(65.2 mm)	(8.4 mm)	(14 mm)	
251LPB	2.5 in	center back	2.44 in	2.63 in	1.55 in	2.57 in	1.29 in	9/16 flat	¼ in npt
	(63 mm)		(62 mm)	(66.1 mm)	(39.4 mm)	(65.2 mm)	(32.8 mm)	(14 mm)	
251LPSS	2.5 in	center back	2.36 in	2.63 in	1.55 in	2.57 in	1.26 in	9/16 flat	¼ in npt
	(63 mm)		(59.9 mm)	(66.1 mm)	(39.4 mm)	(65.2 mm)	(32 mm)	(14 mm)	
400LPSS	4 in	bottom	5.05 in	3.96 in	1.94 in	3.98 in	1.63 in	7/8 flat	¼ in npt
	(100 mm)		(128 mm)	(99 mm)	(49.2 mm)	(101 mm)	(41.4 mm)	(22.2 mm)	
401LPSS	4 in	center back	3.19 in	3.96 in	1.94 in	3.98 in	1.63 in	15/16 in Hex	¼ in npt
	(100 mm)		(81 mm)	(99 mm)	(49.2 mm)	(101 mm)	(41.4 mm)	(24.2 mm)	

LOW PRESSURE GAUGE 2 1/2 in (CONTINUED)
MODEL LPB

To order, use the code in the corresponding column

Size	2 1/2 in (63 mm)	
Case	steel	
Connection	1/4 in nptm brass bottom	1/4 in nptm brass center back
Range		
0 to 15 in H ₂ O (vacuum)	250LPB-15WV	251LPB-15WV
0 to 32 in H ₂ O (vacuum)	250LPB-32WV	251LPB-32WV
0 to 55 in H ₂ O (vacuum)	250LPB-55WV	251LPB-55WV
0 to 100 in H ₂ O (vacuum)	250LPB-100WV	251LPB-100WV
0 to 15 in H ₂ O/oz (pressure)	250LPB-15WO	251LPB-15WO
0 to 32 in H ₂ O/oz (pressure)	250LPB-32WO	251LPB-32WO
0 to 55 in H ₂ O/oz (pressure)	250LPB-55WO	251LPB-55WO
0 to 100 in H ₂ O/oz (pressure)	250LPB-100WO	251LPB-100WO
0 to 200 in H ₂ O/oz (pressure)	250LPB-200WO	251LPB-200WO
0 to 5 psi/kPa (pressure)	250LPB-5PSI	251LPB-5PSI
0 to 10 psi/kPa (pressure)	250LPB-10PSI	251LPB-10PSI
37 Mbar (WO) (pressure)		251LPB-37Mb
150 Mbar (vacuum)		251LPB-150Mb

Option

Low pressure gauge with U-clamp available upon request.

STAINLESS STEEL LOW PRESSURE GAUGE
MODEL LPSS

To order, use the code in the corresponding column

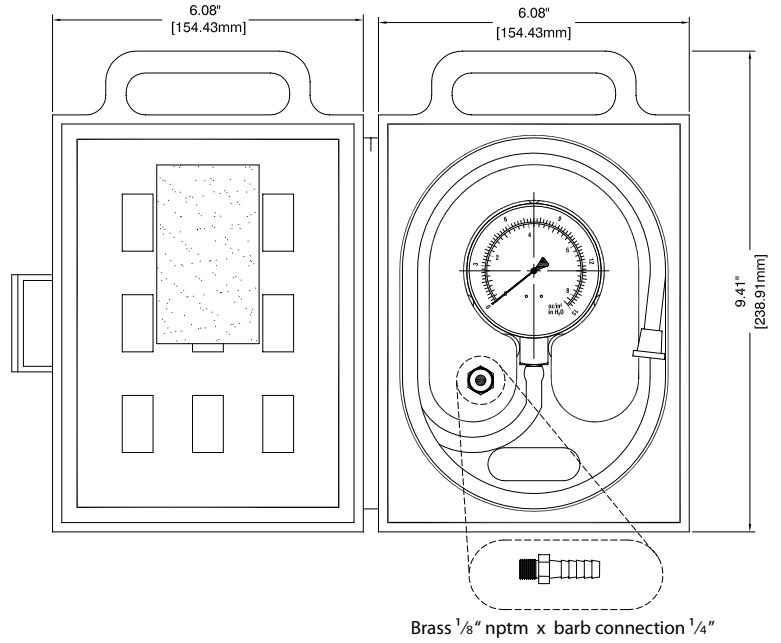
Size	2 1/2 in (63 mm)		4 in (100 mm)	
Case	304 stainless steel			
Connection	1/4 in nptm			
	bottom	center back	bottom	center back
Range	316 stainless steel			
	0 to 15 in H ₂ O (vacuum)	250LPSS-15WV	251LPSS-15WV	400LPSS-15WV
0 to 32 in H ₂ O (vacuum)	250LPSS-32WV	251LPSS-32WV	400LPSS-32WV	401LPSS-32WV
0 to 55 in H ₂ O (vacuum)	250LPSS-55WV	251LPSS-55WV	400LPSS-55WV	401LPSS-55WV
0 to 100 in H ₂ O (vacuum)	250LPSS-100WV	251LPSS-100WV	400LPSS-100WV	401LPSS-100WV
0 to 15 in H ₂ O/oz (pressure)	250LPSS-15WO	251LPSS-15WO	400LPSS-15WO	401LPSS-15WO
0 to 32 in H ₂ O/oz (pressure)	250LPSS-32WO	251LPSS-32WO	400LPSS-32WO	401LPSS-32WO
0 to 55 in H ₂ O/oz (pressure)	250LPSS-55WO	251LPSS-55WO	400LPSS-55WO	401LPSS-55WO
0 to 100 in H ₂ O/oz (pressure)	250LPSS-100WO	251LPSS-100WO	400LPSS-100WO	401LPSS-100WO
0 to 200 in H ₂ O/oz (pressure)	250LPSS-200WO			
0 to 5 psi/kPa (pressure)	250LPSS-5PSI	251LPSS-5PSI	400LPSS-5PSI	401LPSS-5PSI
0 to 10 psi/kPa (pressure)	250LPSS-10PSI	251LPSS-10PSI	400LPSS-10PSI	401LPSS-10PSI

Option

Low pressure gauge with U-clamp available upon request.

PORTABLE LOW PRESSURE TEST KIT MODEL TKLP

Illustrated model: TKLP



Specifications

Case:	Steel, painted black
Dial:	2 ½ in (63 mm) white aluminum with oz/in ² or kPa graduations in black, H ₂ O in blue
Lens:	Snap-in polycarbonate
Pointer:	Aluminum, painted black
Recalibrator:	Screw located on back of gauge
Connection:	¼ in brass hose barb
Wetted parts:	Brass
Capsule diaphragm:	Phosphor bronze
Maximum process and ambient temperature:	-40 to 150°F / -40 to 65°C
Accuracy:	ASME B40.100(B40.1), Grade 1A ± 1 %

Case specifications

Material:	Blue or black injection molded plastic with integral handle
Hose tube:	Latex rubber 3 ft (91 cm) length, 0.197 (5 mm) in inside diameter x 0.315 in (8 mm) outside diameter
Hose end-connection:	Latex rubber 0.390 in inside diameter (9.92 mm) x 0.660 in outside diameter (16,77 mm) x 0.545 in long (13.86 mm)
Hose adapter:	Brass, ⅛ in nptm x ¼ in hose barb

Applications

Used to measure precise gas pressure in manifolds installed on boilers, furnaces, dryers and other equipment that operate on low pressure gas or natural gas.

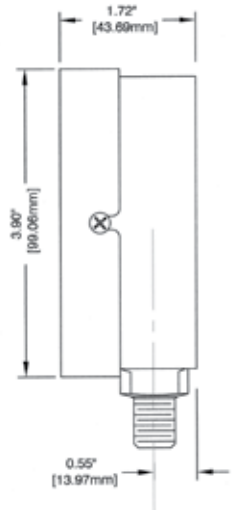
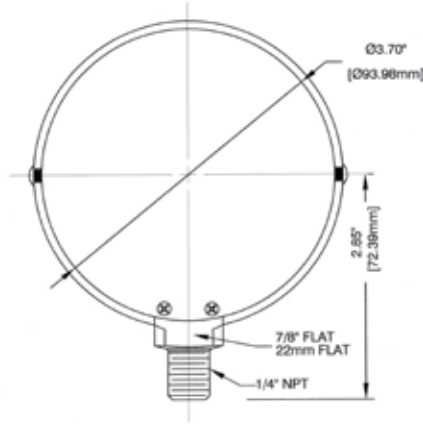
To order, use the code in the corresponding column

Range / Pressure	Product code
0 to 15 in H ₂ O / 0 to 4 kPa	TKLP-250-15
0 to 35 in H ₂ O / 0 to 20 oz/in ²	TKLP-250-35
0 to 100 in H ₂ O / 0 to 58 oz/in ²	TKLP-250-100

**TEST GAUGE MANUFACTURED AT OUR PLANT
MODEL 300**



Illustrated model: 300



Specifications

Case:	4 in (100 mm), black molded aluminum
Dial:	White aluminum, graduations in black
Unit of measure:	Standard psi, other units of measure available
Custom dial:	Private logo available
Ring:	Black molded aluminum
Lens:	Polycarbonate or glass
Pointer:	Anodized black aluminum, micro adjustable
Connection:	1/4 in nptm bottom
Wetted parts:	Brass
Bourdon tube:	Phosphor bronze
Maximum process and ambient temperature:	-40 to 150°F / -40 to 65°C
Operating pressure:	Maximum 75 % of full scale value
Overpressure limit:	25 % over full scale value
Accuracy:	ASME B40.100(B40.1), Grade 2A ± 0.5 %

Applications

Designed for increase accuracy. To be used where accuracy and repeatability are of the utmost importance. Used in laboratories and industries that require precise measurement. Manufactured entirely at our facility in Delson, Qc. Calibration test certificates traceable to NRC and NIST are available.

To order, use the code in the corresponding column

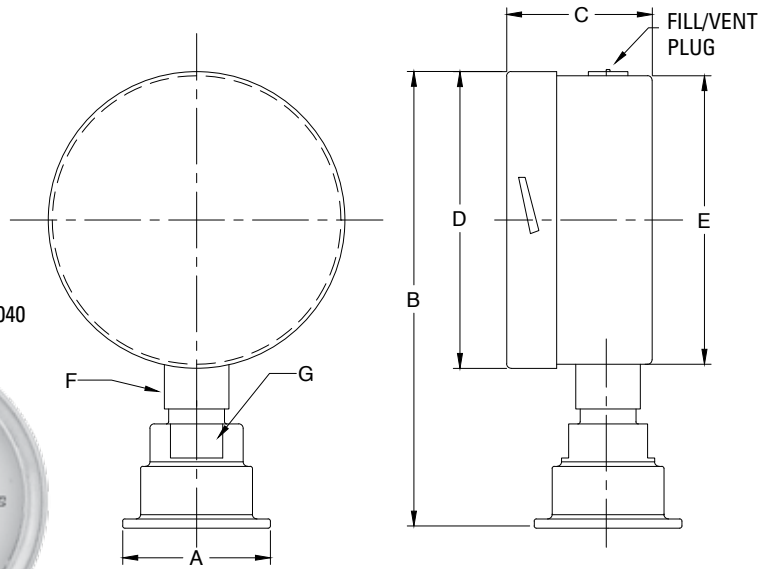
Range	Product code
-30 in Hg vacuum	300-01
0 to 15 psi	300-09
0 to 30 psi	300-10
0 to 60 psi	300-11
0 to 100 psi	300-12
0 to 160 psi	300-13
0 to 200 psi	300-14
0 to 300 psi	300-15
0 to 400 psi	300-23
0 to 600 psi	300-16
0 to 1,000 psi	300-17
0 to 2,000 psi	300-22

SANITARY GAUGE (COMPLIANT TO 3A® STANDARDS)
MODELS SDTC150 AND SDTC200

Illustrated model: SDTC20025



Illustrated model: SDTC15040



Specifications

Gauge diameter:	2 ½ in (63 mm) and 4 in (100 mm)
Case:	Polished 304 stainless steel
Dial:	White aluminum with in Hg or psi in black, bar and kPa x 100 in blue
Ring:	Bayonet type, polished 304 stainless steel
Lens:	Polycarbonate
Pointer:	Black anodized aluminum, adjustable
Wetted parts:	316 stainless steel
Diaphragm seal fill:	Mineral oil
Case fill:	99.7 % food grade glycerin
Body construction:	1 piece polished 316 stainless steel
Diaphragm:	316 stainless steel welded
Operating pressure:	Maximum 75 % of full scale value
Process connection:	1 ½ in (40 mm) or 2 in (50 mm) "sanitary Tri-clamp®"
Application reference:	Diaphragm seal ASME B40.100(B40.2) Grade 1A ± 1 % and pressure gauge ASME B40.100(B40.1) Grade 1A ± 1 %

Applications

Food processing, dairy, beverage, pharmaceutical and chemical industries. Primarily used where rigorous and meticulous maintenance is required. Conceived to prevent the accumulation of bacteria that may build up on threaded connections and facilitates the cleaning of the instrument.

Dimensions as per diagram

Model	A	B	C	D	E	F	G
SDTC15025	1.5 in Tri-Clamp / 2.5 in gauge	2 in (50 mm)	4.40 in (112 mm)	1.20 in (30 mm)	2.7 in (68.6 mm)	2.4 in (61 mm)	Hex. 9/16 (14.5 mm)
SDTC15040	1.5 in Tri-Clamp / 4 in gauge	2 in (50 mm)	6.13 in (156 mm)	1.95 in (49 mm)	4 in (100 mm)	3.87 in (98 mm)	Flat 7/8 (22 mm) Flat 1 1/16 (27 mm)
SDTC20025	2 in Tri-Clamp / 2.5 in gauge	2.5 in (63 mm)	4.40 in (112 mm)	1.20 in (30 mm)	2.7 in (68.6 mm)	2.4 in (61 mm)	Hex. 9/16 (14.5 mm)
SDTC20040	2 in Tri-Clamp / 4 in gauge	2.5 in (63 mm)	6.18 in (157 mm)	1.95 in (49 mm)	4 in (100 mm)	3.87 in (98 mm)	Flat 7/8 (22 mm) Flat 1 1/16 (27 mm)

Tri-Clamp® is a registered trade mark of Tri-Clover®

SANITARY GAUGE (CONTINUED)

MODELS SDTC150 AND SDTC200

To order, use the code in the corresponding column

	TRI-CLAMP®		TRI-CLAMP®	
	1 1/2 in (40 mm)		2 in (50 mm)	
Gauge	2 1/2 in (63 mm) Ø	4 in (100 mm) Ø	2 1/2 in (63 mm) Ø	4 in (100 mm) Ø
Range				
-30 in Hg to 30 psi/bar/kPa x 100	SDTC15025-03	SDTC15040-03	SDTC20025-03	SDTC20040-03
0 to 30 psi/bar/kPa x 100	SDTC15025-10	SDTC15040-10	SDTC20025-10	SDTC20040-10
0 to 60 psi/bar/kPa x 100	SDTC15025-11	SDTC15040-11	SDTC20025-11	SDTC20040-11
0 to 100 psi/bar/kPa x 100	SDTC15025-12	SDTC15040-12	SDTC20025-12	SDTC20040-12
0 to 160 psi/bar/kPa x 100	SDTC15025-13	SDTC15040-13	SDTC20025-13	SDTC20040-13
0 to 200 psi/bar/kPa x 100	SDTC15025-14	SDTC15040-14	SDTC20025-14	SDTC20040-14
0 to 300 psi/bar/kPa x 100	SDTC15025-15	SDTC15040-15	SDTC20025-15	SDTC20040-15
0 to 400 psi/bar/kPa x 100	SDTC15025-23	SDTC15040-23	SDTC20025-23	SDTC20040-23

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FLANGE

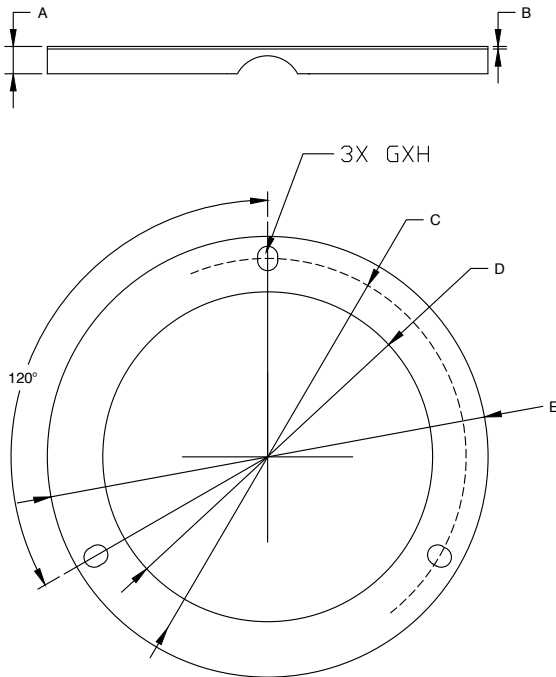


Diagram: FRFL

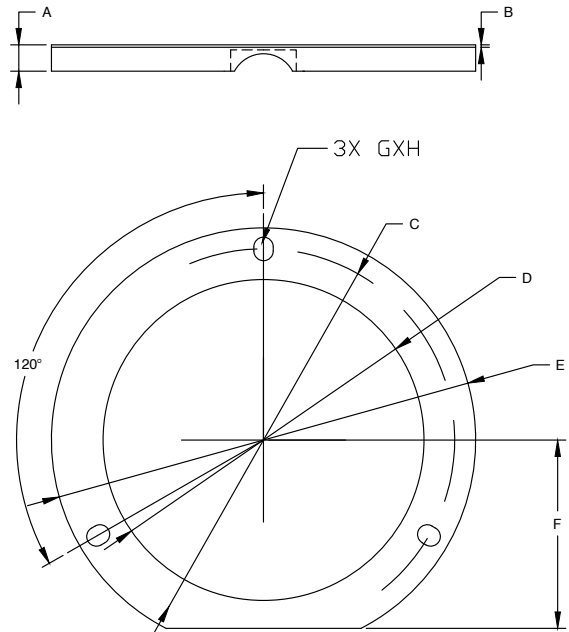


Diagram: BCFL

FRONT FLANGE MODEL FRFL (for panel, attached by 3 screws) *

Product code	A	B	C Ø	D Ø	E Ø	3 X GXH
FRFL201SS	0.28 in	0.11 in	2.50 in	2.40 in	2.90 in	3 x 0.215 x 0.16 in
	7.11 mm	2.79 mm	63.5 mm	60.96 mm	73.66 mm	5.46 x 4.06 mm
FRFL251SS	0.15 in	0.03 in	3.12 in	2.4 in	3.44 in	3 x 0.24 x 0.20 in
	3.81 mm	0.76 mm	79.25 mm	60.96 mm	87.37 mm	6.09 x 5.08 mm
FRFLSP251	0.17 in	0.15 in	2.92 in	2.43 in	3.41 in	3 x 0.195 x 0.16 in
	4.32 mm	3.81 mm	74.16 mm	61.72 mm	86.61 mm	4.95 x 4.06 mm
FRFL401SSW	0.31 in	0.11 in	4.79 in	3.87 in	5.10 in	3 X Ø x 0.17 in
	7.87 mm	2.79 mm	121.66 mm	98.30 mm	129.54 mm	Ø x 4.32 mm
FRFL601SS	0.40 in	0.03 in	6.88 in	5.94 in	7.55 in	3 x 0.315 x 0.210 in
	10.1 mm	0.76 mm	173.63 mm	150.87 mm	191.8 mm	8.0 x 5.33 mm

BACK FLANGE MODEL BCFL (for wall mounting, attached by 3 screws) *

Product code	A	B	C Ø	D Ø	E Ø	F	3 X GXH
BCFL200SS	0.25 in	0.03 in	2.525 in	2.045 in	3 in	1.30 in	0.210 x 0.16 in
	6.35 mm	0.76 mm	64.14 mm	51.94 mm	76.2 mm	32.02 mm	5.33 x 4.06 mm
BCFL250SS	0.25 in	0.03 in	2.92 in	2.4 in	3.38 in	1.44 in	0.190 x 0.150 in
	6.35 mm	0.76 mm	74.16 mm	60.96 mm	85.85 mm	36.57 mm	4.82 x 3.8 mm
BCFLSP250	0.14 in	0.10 in	2.92 in	1.92 in	3.39 in	1.5 in	0.195 x 0.16 in
	3.56 mm	2.54 mm	74.16 mm	48.77 mm	86.10 mm	38.1 mm	4.95 x 4.06 mm
BCFL400SS	0.32 in	0.03 in	4.66 in	3.91 in	5.17 in	2.30 in	1.295 x 0.235 in
	8.13 mm	0.76 mm	118.36 mm	99.31 mm	131.32 mm	58.29 mm	7.45 x 6 mm
BCFL600SS	0.42 in	0.03 in	7.08 in	5.865 in	7.63 in	4 in	0.315 x 0.210 in
	10.66 mm	0.76 mm	179.83 mm	148.97 mm	193.8 mm	101.6 mm	8 x 5.33 mm

* Screws are not included

U-CLAMP

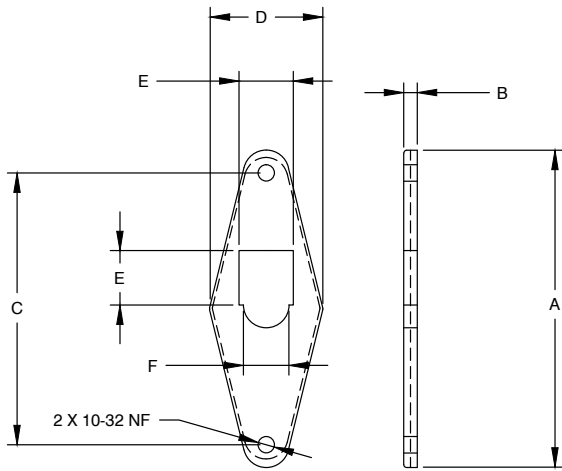


Diagram: UCSS

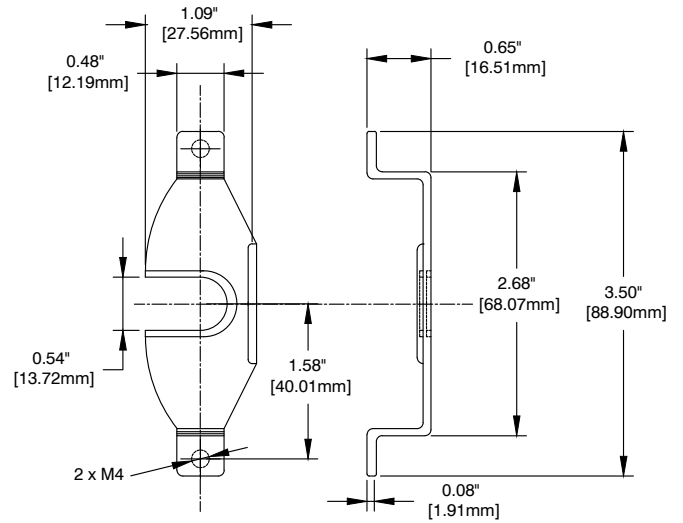


Diagram: UCSP251

U-CLAMPS MODEL UC (for panel without visible screws)

Product code	A	B	C	D	E	F	2 screws
UC151SS	2.32 in	0.14 in	1.88 in	0.98 in	0.45 in	0.40 in	10-32 UNF
	58.92 mm	3.56 mm	47.75 mm	24.9 mm	11.43 mm	11.59 mm	
UC201SS	2.84 in	0.14 in	2.36 in	1.27 in	0.56 in	0.47 in	10-32 UNF
	72.13 mm	3.56 mm	60 mm	32.25 mm	14.22 mm	11.94 mm	
UC251SS	3.27 in	0.14 in	2.80 in	1.27 in	0.56 in	0.47 in	10-32 UNF
	82.95 mm	3.56 mm	71.12 mm	32.25 mm	14.22 mm	11.94 mm	
UCSP251	See drawing						
UC401ASS	4.88 in	0.17 in	4.26 in	1.43 in	0.56 in	0.47 in	10-32 UNF
	123.95 mm	4.19 mm	108.31 mm	36.32 mm	14.22 mm	11.94 mm	
UC401SS	4.88 in	0.17 in	4.26 in	1.43 in	0.68 in	0.79 in	10-32 UNF
	123.95 mm	4.19 mm	108.31 mm	36.32 mm	17.16 mm	20.07 mm	
UC401SSW	4.88 in	0.17 in	4.26 in	1.43 in	0.87 in	1.12 in	10-32 UNF
	123.95 mm	4.19 mm	108.31 mm	36.32 mm	22.02 mm	28.38 mm	

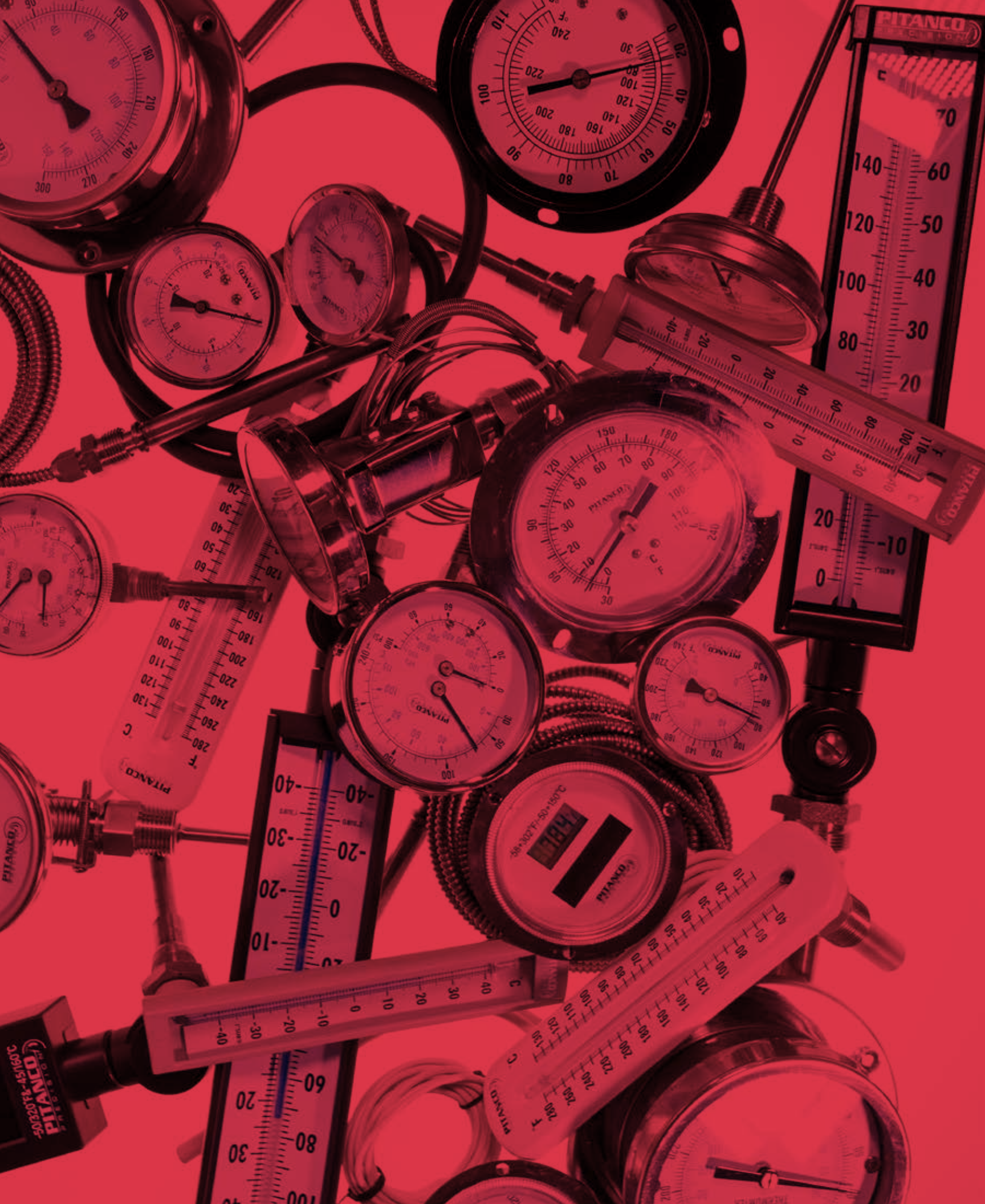
LENS, FILLING TYPES AND OTHER OPTIONS

Product code	Description
S200	Silicone fill 1,000 CS for 2 in (50 mm), -40 to 400°F / -40 to 200°C
S250	Silicone fill 1,000 CS pour 2 ½ in (63 mm), -40 to 400°F / -40 to 200°C
S400	Silicone fill 1,000 CS for 4 in (100 mm), -40 to 400°F / -40 to 200°C
S450	Silicone fill 1,000 CS for 4 ½ in (115 mm), -40 to 400°F / -40 to 200°C
S600	Silicone fill 1,000 CS for 6 in (150 mm), -40 to 400°F / -40 to 200°C
S4L	Silicone 1 gallon (4,54 liters), -40 to 400°F / -40 to 200°C
GW	Mixture of glycerin / water, -40 to 160°F / -40 to 70°C (all diameters)
G400	Glycerin fill for 4 in (100 mm) model LFSSW, 32 to 160°F / 0 to 70°C
G450	Glycerin for 4 ½ in (115 mm), 32 to 160°F / 0 to 70°C
G600	Glycerin for 6 in (150 mm), 32 to 160°F / 0 to 70°C
G4L	Glycerin 1 gallon (4,54 liters), 32 to 160°F / 0 to 70°C
SG-250	Safety glass 2 ½ in (63 mm)
SG-400	Safety glass 4 in (100 mm)
VG-150	Standard glass 1 ½ in (40 mm)
VG-200	Standard glass 2 in (50 mm)
VG-250	Standard glass 2 ½ in (63 mm)
VG-400	Standard glass 4 in (100 mm)
CODE D	Drying out gauge (all sizes)
CERT-M	Calibration certificate for new gauge, traceability to NRC and NIST
CERT-U	Calibration certificate for used gauge (all brand)
CERT-T	Calibration certificate for thermometer new and used
OS1	Oxygen clean for gauge 1 ½ in (40 mm) to 3 ½ in (87 mm)
OS2	Oxygen clean for gauge de 4 in (100 mm) and 4 ½ in (115 mm)
OS3	Oxygen clean for 6 in gauge (150 mm)
OSBV1	Oxygen clean for ball valve ¼ in nptf to 1 in nptf 1 piece
OSBV2	Oxygen clean for ball valve ¼ in nptf to 1 in nptf 2 pieces
OSBVD	Oxygen clean for ball valve more than 1 in 2 pieces
FLA	Installation of front or back flange all sizes, welding included





Thermometers

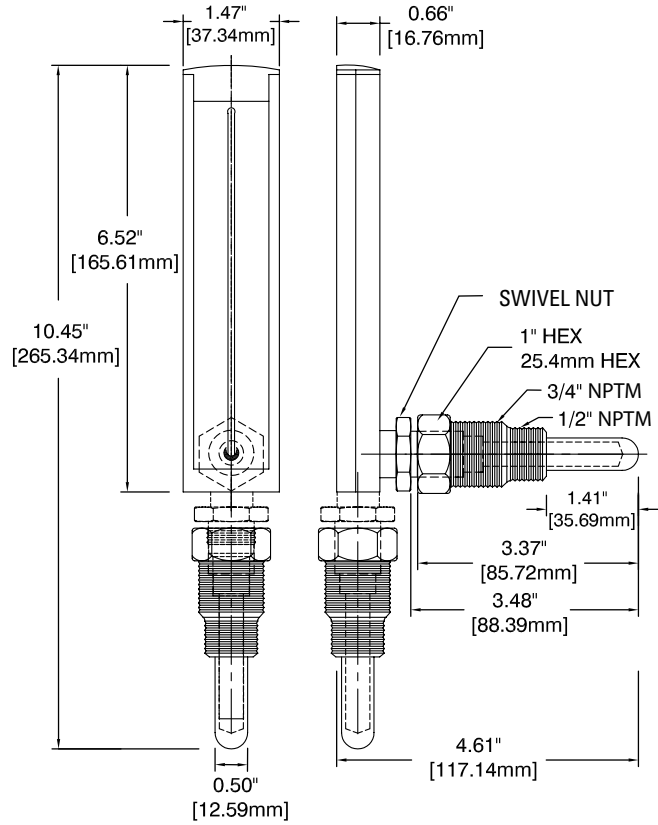


5 in INDUSTRIAL THERMOMETER MODELS IT500A AND IT500S

Illustrated model: IT500A



Illustrated model: IT500S



Specifications

Case:	5 in (125 mm) impact resistant light gray plastic
Lens:	Standard glass
Stem:	Brass, straight or 90° angle connection
Swivel nut:	Brass
Scale:	White aluminum, dual scale (°F and °C) with black markings
Well:	Brass, ½ in and ¾ in nptm standard, #WIT500-07 included
Filling type:	Organic blue
Ambient temperature:	-40 to 120°F / -40 to 49°C
Operating temperature:	Maximum 75 % of full scale value
Accuracy:	ASME B40.200(B40.8), Grade B ± 2 % CAN/CGSB - 14.4

Applications

An economic alternative for temperature measurement used in plumbing and HVAC industries.

To order, use the code in the corresponding column

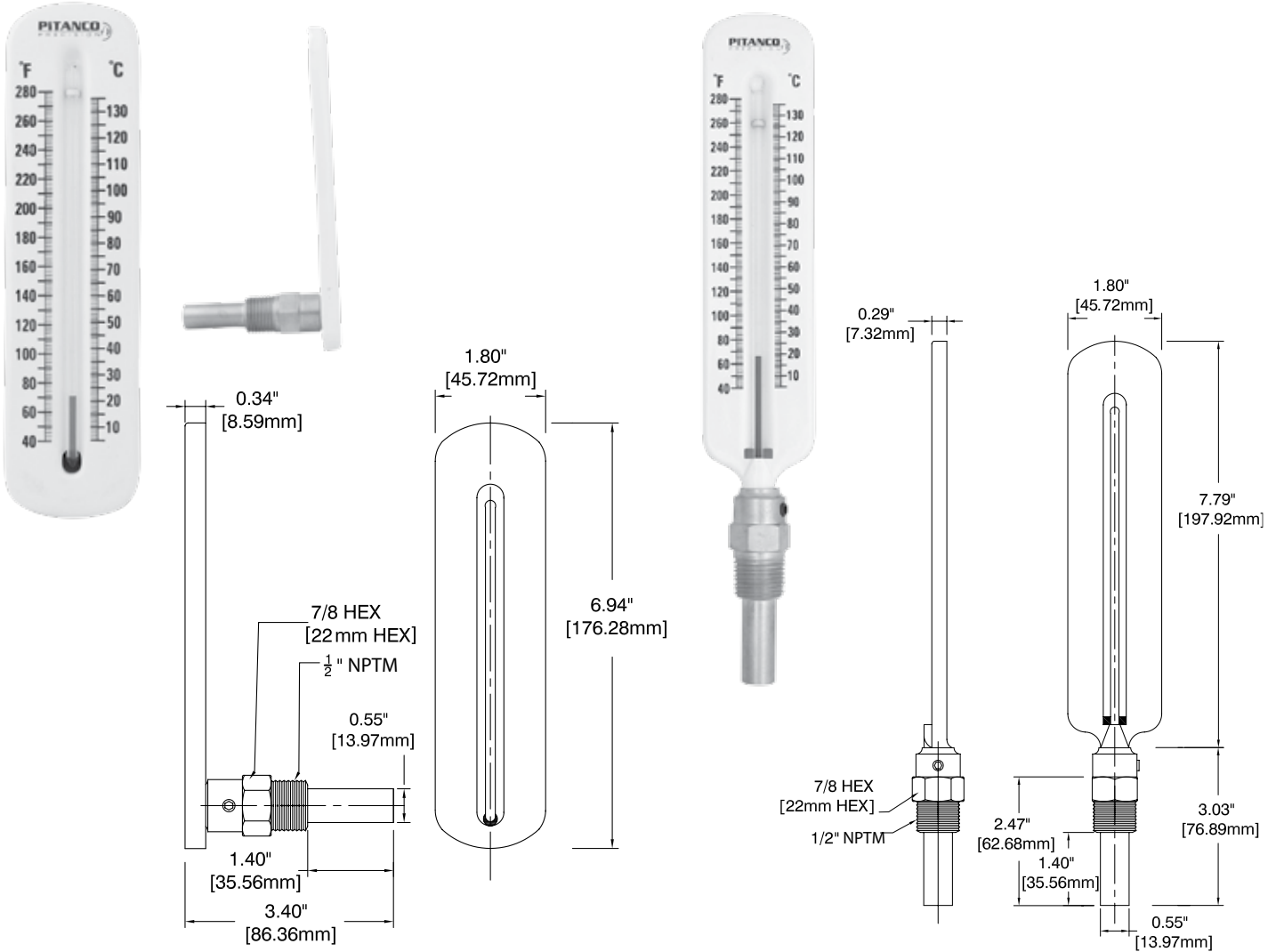
Range	Product code / straight stem	Product code / 90° angle stem
-40 to 110°F / -40 to 40°C	IT500-01S	IT500-01A
20 to 180°F / -5 to 80°C	IT500-02S	IT500-02A
30 to 240°F / 0 to 115°C	IT500-03S	IT500-03A
30 to 300°F / 0 to 150°C	IT500-04S	IT500-04A
50 to 400°F / 10 to 200°C	IT500-05S	IT500-05A

INDUSTRIAL 8 in HOT WATER THERMOMETER

MODELS IT800A AND IT800S

Illustrated model: IT800A

Illustrated model: IT800S



Specifications

Case:	8 in (200 mm) white steel finish, graduations °F / °C in black
Stem:	Separable brass socket ½ in nptm, angle type (IT800A) or straight type (IT800S)
Tube:	Glass
Liquid filling:	Organic red
Accuracy:	ASME B40.200(B40.8), Grade A ± 1 % CAN/CGSB - 14.4

Applications

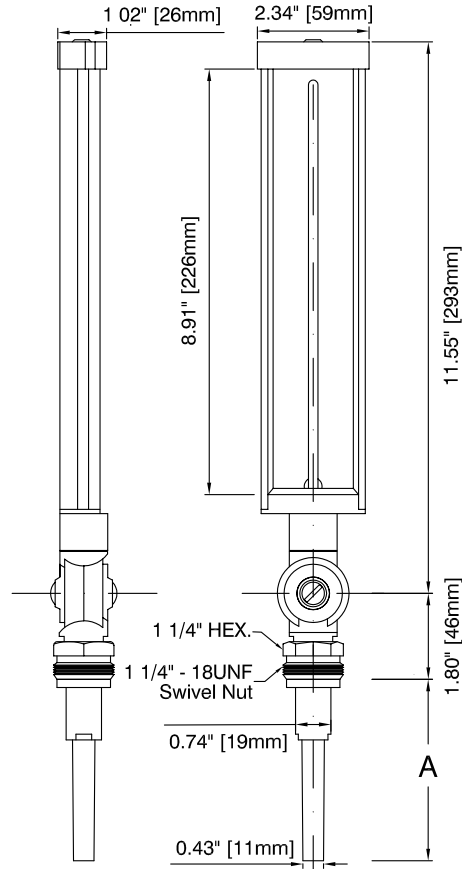
Economic industrial thermometer. Used for precise and easy installation on boilers, hot water systems, HVAC installations, etc.

To order, use the code in the corresponding column

Range	Connection	Product code
40 to 280°F / 5 to 135°C	90° angle type ½ in nptm	IT800A
40 to 280°F / 5 to 135°C	Straight type ½ in nptm	IT800S

MULTI-ANGLE INDUSTRIAL THERMOMETER 9 in MODEL ITA900

Illustrated model: ITA900-3501



Specifications

Case:	9 in (228 mm) cast aluminum, black epoxy finish
Lens:	Reinforced glass
Stem:	Aluminum, adjustable angle with 360° rotation, 3 ½ in (90 mm) or 6 in (150 mm) in length
Connection:	1 ¼ in - 18 UNF, ¾ in nptm swivel nut, fits on well
Scale:	White aluminum, dual scale °F and °C, black markings
Filling type:	Organic blue, (550°F) maximum
Well:	Available in brass, 304 or 316 stainless steel, see page T5
Accuracy:	ASME B40.200(B40.8), Grade A ± 1 % CAN/CGSB - 14.4

Applications

For use in commercial, institutional and industrial buildings, as well as hospitals. Commonly used on hot or chilled water lines, boilers, condensers, etc.

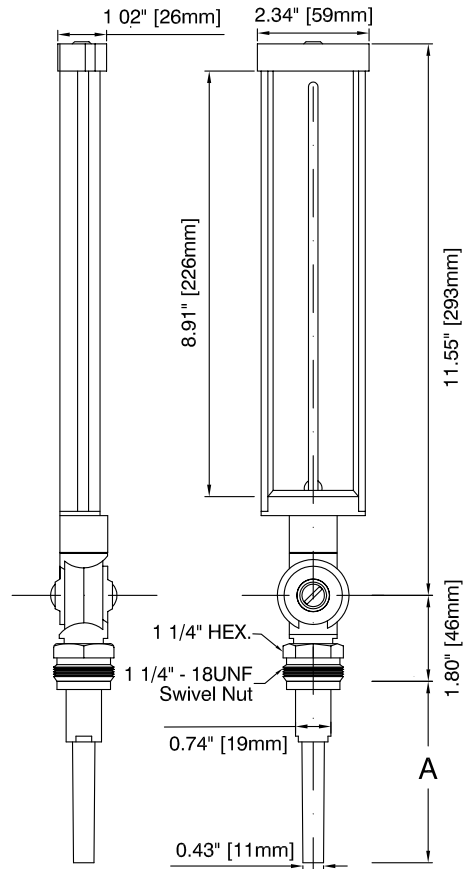
To order, use the code in the corresponding column

Dimensions as per diagram

Range	Stem 3 1/2 in (90 mm)	Stem 6 in (150 mm)
-40 to 110°F / -40 to 40°C	A ITA900-3501	A ITA900-6001
0 to 160°F / -15 to 70°C	ITA900-3502	ITA900-6002
30 to 240°F / 0 to 115°C	ITA900-3503	ITA900-6003
30 to 300°F / 0 to 150°C	ITA900-3504	ITA900-6004
0 to 100°F / -15 to 38°C	ITA900-3505	
50 to 400°F / 10 to 200°C	ITA900-3506	
50 to 550°F / 10 to 290°C	ITA900-3507	

MULTI-ANGLE INDUSTRIAL THERMOMETER 9 in, BRASS STEM MODEL ITA900BR

Illustrated model: ITA900BR-3501



Specifications

Case:	9 in (228 mm) cast aluminum, black epoxy finish
Lens:	Reinforced glass
Stem:	Brass, adjustable angle with 360° rotation, 3 1/2 in (90 mm) or 6 in (150 mm) in length
Connection:	1 1/4 in - 18 UNF, 3/4 in nptm swivel nut, fits on well
Scale:	White aluminum, dual scale °F and °C, black markings
Filling type:	Organic blue, (550°F) maximum
Well:	Available in brass, 304 or 316 stainless steel, see page T5
Accuracy:	ASME B40.200(B40.8), Grade A ± 1 % CAN/CGSB - 14.4

Applications

For use in commercial, institutional and industrial buildings, as well as hospitals. Commonly used on hot or chilled water lines, boilers, condensers, etc.

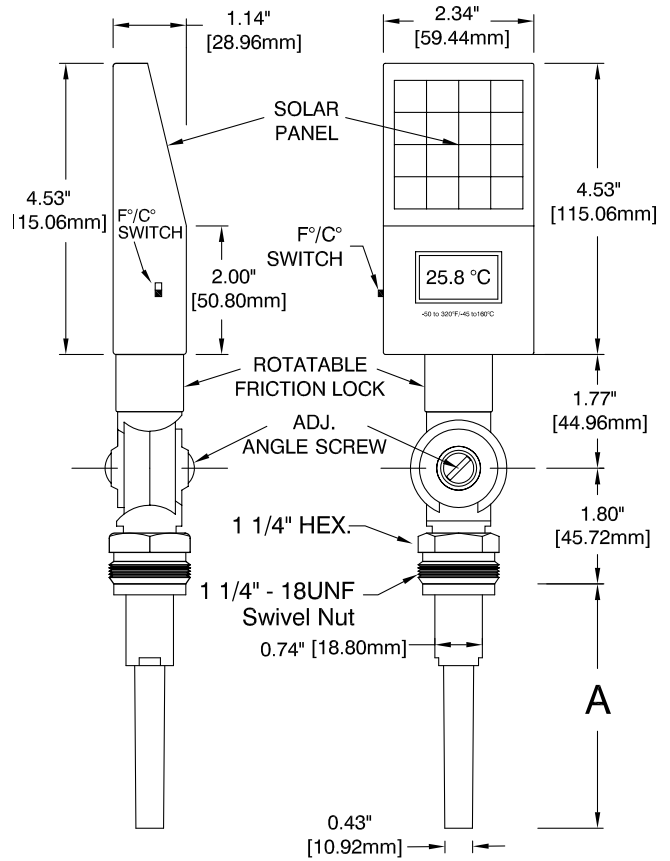
To order, use the code in the corresponding column

Dimensions as per diagram

Range	Stem 3 1/2 in (90 mm)	Stem 6 in (150 mm)
-40 to 110°F / -40 to 40°C	A ITA900BR-3501	A ITA900BR-6001
0 to 160°F / -15 to 70°C	ITA900BR-3502	ITA900BR-6002
30 to 240°F / 0 to 115°C	ITA900BR-3503	ITA900BR-6003
30 to 300°F / 0 to 150°C	ITA900BR-3504	
0 to 100°F / -15 to 38°C	ITA900BR-3505	

MULTI-ANGLE SOLAR DIGITAL INDUSTRIAL THERMOMETER MODEL ITA900SD

Illustrated model: ITA900SD-35



Specifications

Case:	4 ½ in (115 mm), black reinforced thermoplastic
Range:	-50 to 320°F (-45 to 160°C), dual scales with switch °F / °C
Display:	½ in LCD digits
Recalibration:	Potentiometer adjustment through case
Lux rating:	12 lux
Response time:	10 seconds
Connection:	¼ in - 18 UNF, swivel nut ¾ in nptm, fits a well
Stem:	Aluminum, adjustable angle with 360° rotation, 3 ½ in (90 mm) or 6 in (150 mm) of length
Ambient temperature:	-30 to 140°F / -35 to 60°C
Well:	Available in brass, 304 or 316 stainless steel, see page T5
Accuracy:	ASME B40.200(B40.4), Grade A ± 1 % CAN/CGSB - 14.4

Applications

For use in commercial, institutional and industrial buildings, as well as hospitals. Commonly used on chilled water lines, boilers, condensers etc.

Entirely interchangeable with industrial thermometer ITA900-35 or ITA900-60

A Stem 3 1/2 in (90 mm)	A Stem 6 in (150 mm) stem
ITA900SD-35	ITA900SD-60

WELL FOR MULTI-ANGLE INDUSTRIAL THERMOMETER ITA900 AND ITA900SD MODEL WEL

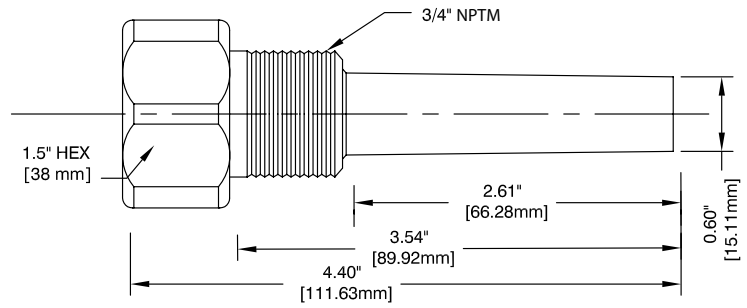


Diagram WEL-01

Illustrated model: WEL-01BR

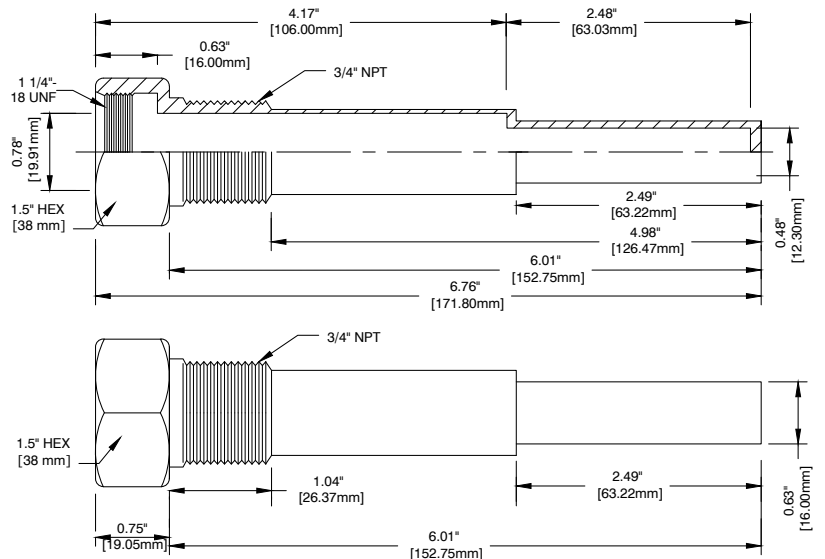
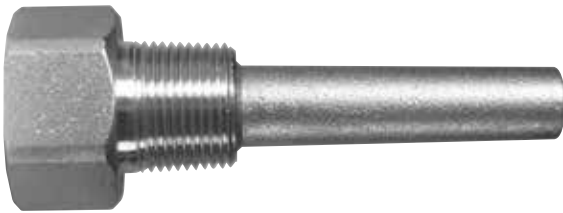


Diagram WEL-02

Specifications

Type:	For use with 9 in (928 mm) industrial thermometer, solar digital thermometer 3 ½ in (90 mm) and 6 in (150 mm) stem
Material:	Brass, 304 or 316 stainless steel
Connection:	1 ¼ in - 18 UNF thermometer connection and ¾ in nptm process connection

Applications

For use in all types of commercial buildings, institutions, industrial buildings, and hospitals, where a separable socket is required in order to create a seal.

Dimensions as per diagram

Total length	Thermometer connection	Process connection	Material	Insertion length	Lagging	Product code
4.40 in (111.6 mm)	1 ¼ in UNF	¾ in nptm	Brass	2.5 in (63 mm)		WEL-01BR
4.40 in (111.6 mm)	1 ¼ in UNF	¾ in nptm	SS304	2.5 in (63 mm)		WEL-01SS304
4.40 in (111.6 mm)	1 ¼ in UNF	¾ in nptm	SS316	2.5 in (63 mm)		WEL-01SS316
6.75 in (172 mm)	1 ¼ in UNF	¾ in nptm	Brass	5 in (127 mm)		WEL-02BR
6.75 in (172 mm)	1 ¼ in UNF	¾ in nptm	SS304	5 in (127 mm)		WEL-02SS304
6.75 in (172 mm)	1 ¼ in UNF	¾ in nptm	SS316	5 in (127 mm)		WEL-02SS316
4.25 in (108 mm)	1 ¼ in UNF	½ in nptm	Brass	1.75 in (45 mm)	1 in (25 mm)	WEL-06BR
4.25 in (108 mm)	1 ¼ in UNF	½ in nptm	SS304	1.75 in (45 mm)	1 in (25 mm)	WEL-06SS304
6.75 in (172 mm)	1 ¼ in UNF	¾ in nptm	SS304	2.5 in (63 mm)	2.5 in (63 mm)	WEL-07SS304

**WELL FOR MULTI-ANGLE INDUSTRIAL THERMOMETER ITA900 AND ITA900SD
MODEL WEL**

Illustrated model: WEL-06BR

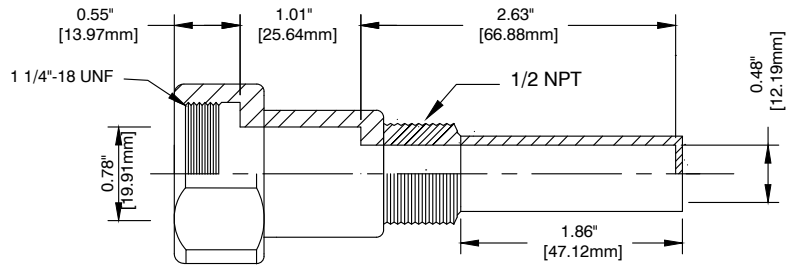
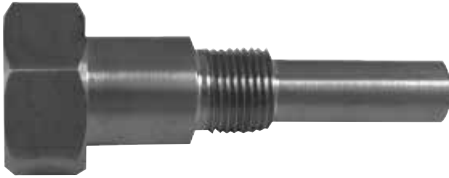


Diagram: WEL-06

Illustrated model: WEL-07SS304

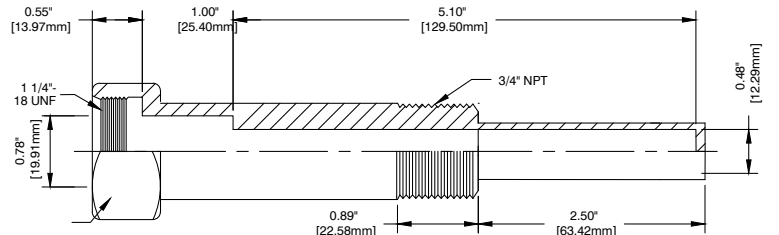
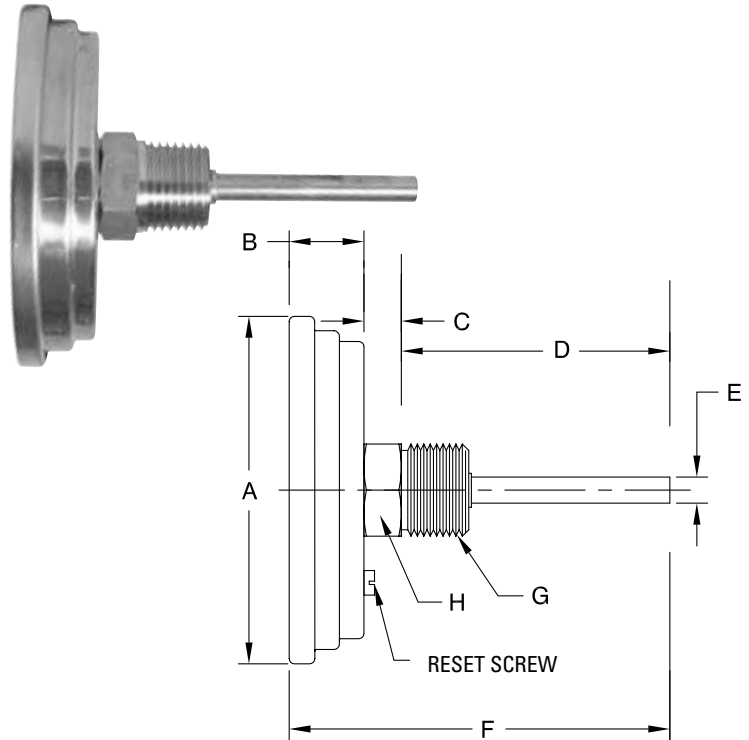


Diagram: WEL-07

BIMETAL THERMOMETER MODELS B3 AND B5

Illustrated model: B325-01



Specifications

Case:	304 stainless steel, including back side recalibrator screw
Dial:	3 in (76 mm), 5 in (127 mm), white aluminum graduations °F in black °C in blue
Ring:	304 stainless steel
Lens:	Polycarbonate hermetically sealed
Pointer:	Balanced aluminum painted black
Movement:	Bimetallic coil
Stem:	304 stainless steel, 2 ½ in (63 mm), 4 in (100 mm), 6 in (150 mm), 9 in (227 mm) and 12 in (300 mm)
Connection:	½ in nptm center back mount
Ambient temperature:	-55 to 245 °F/°C
Operating temperature:	Maximum 75 % of full range value
Accuracy:	ASME B40.200(B40.3), Grade A ± 1 % CAN/CGSB - 14.5

Applications

Industrial boilers, food and beverage plants, refineries, chemical plants, HVAC projects, etc. Where a quick and precise reading is required.

Dimensions as per diagram

Model	Ø	A	B	C	D	E	F	G	H
B325	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	2.5 in (63 mm)	0.25 in (6.2 mm)	3.56 in (90.5 mm)	½ in nptm	7/8 hex. (22 mm)
B340	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	4 in (100 mm)	0.25 in (6.2 mm)	5.1 in (130 mm)	½ in nptm	7/8 hex. (22 mm)
B360	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	6 in (150 mm)	0.25 in (6.2 mm)	7.1 in (180 mm)	½ in nptm	7/8 hex. (22 mm)
B390	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	9 in (227 mm)	0.25 in (6.2 mm)	10.2 in (259 mm)	½ in nptm	7/8 hex. (22 mm)
B3120	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	12 in (300 mm)	0.25 in (6.2 mm)	13.25 in (336.5 mm)	½ in nptm	7/8 hex. (22 mm)
B525	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	2.5 in (63 mm)	0.25 in (6.2 mm)	3.56 in (90.5 mm)	½ in nptm	7/8 hex. (22 mm)
B540	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	4 in (100 mm)	0.25 in (6.2 mm)	5.1 in (130 mm)	½ in nptm	7/8 hex. (22 mm)
B560	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	6 in (150 mm)	0.25 in (6.2 mm)	7.1 in (180 mm)	½ in nptm	7/8 hex. (22 mm)
B590	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	9 in (227 mm)	0.25 in (6.2 mm)	10.2 in (259 mm)	½ in nptm	7/8 hex. (22 mm)
B5120	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	0.35 in (8.9 mm)	12 in (300 mm)	0.25 in (6.2 mm)	13.25 in (336.5 mm)	½ in nptm	7/8 hex. (22 mm)

BIMETAL THERMOMETER 3 AND 5 in 304 STAINLESS STEEL (CONTINUED)
CENTER BACK FIXED STEM
MODELS B3 AND B5

To order, use the code in the corresponding column

Range	MODEL B3 3 in (76 mm) Ø fixed stem length (center back connection 1/2 in nptm)				
	2 1/2 in (63 mm)	4 in (100 mm)	6 in (150 mm)	9 in (225 mm)	12 in (300 mm)
-40 to 160°F / -40 to 70°C	B325-01	B340-01	B360-01	B390-01	
30 to 240°F / 0 to 115°C	B325-03	B340-03	B360-03	B390-03	
50 to 300°F / 10 to 150°C	B325-05	B340-05	B360-05	B390-05	
50 to 500°F / 10 to 260°C	B325-07	B340-07	B360-07	B390-07	
0 to 250°F / -20 to 120°C	B325-09	B340-09	B360-09	B390-09	B3120-09
200 to 1,000°F / 90 to 540°C	B325-11	B340-11	B360-11	B390-11	B3120-11
25 to 125°F / -5 to 50°C	B325-12				

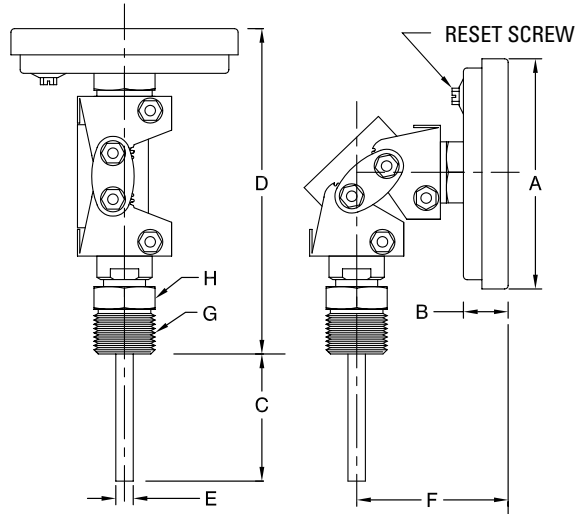
Range	MODEL B5 5 in (127 mm) Ø fixed stem length (center back connection 1/2 in nptm)				
	2 1/2 in (63 mm)	4 in (100 mm)	6 in (150 mm)	9 in (225 mm)	12 in (300 mm)
-40 to 160°F / -40 to 70°C	B525-01	B540-01	B560-01	B590-01	
30 to 240°F / 0 to 115°C	B525-03	B540-03	B560-03	B590-03	
50 to 300°F / 10 to 150°C	B525-05	B540-05	B560-05	B590-05	
50 to 500°F / 10 to 260°C	B525-07	B540-07	B560-07	B590-07	
0 to 250°F / -20 to 120°C	B525-09	B540-09	B560-09	B590-09	
200 to 1,000°F / 90 to 540°C	B525-11	B540-11	B560-11	B590-11	B5120-11

Option

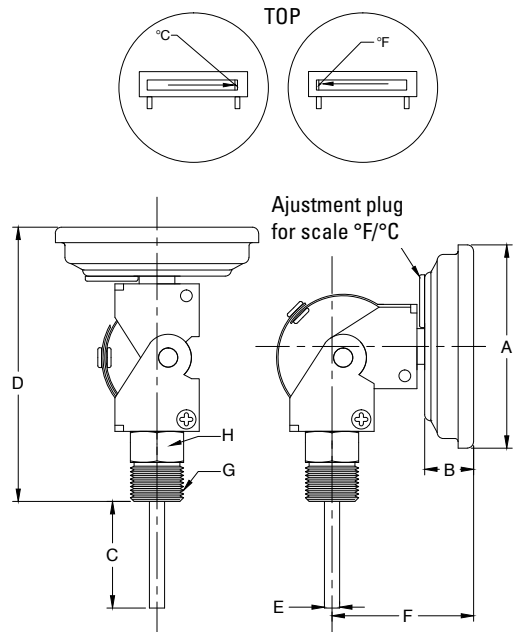
Other ranges and stem lengths are available upon request.

ADJUSTABLE ANGLE BIMETAL THERMOMETER MODELS B3A, B5A AND DIGITAL B3DST

Illustrated model: B540-07A



Illustrated model: B3DST



Specifications

Case:	304 stainless steel, including recalibrator screw located at the back for models B3A and B5A, potentiometer for model B3DST (see drawing)
Dial:	3 in (76 mm), 5 in (127 mm), silver aluminum, graduations °F in black °C in blue, for models B3A and B5A, white aluminum with LCD reading for model B3DST
Ring:	304 stainless steel
Lens:	Polycarbonate hermetically sealed
Pointer:	Balanced black aluminum for B3A and B5A, numerical for B3DST
Movement:	Bimetallic coil for B3A and B5A solar digital for B3DST
Stem:	304 stainless steel, 2 ½ in (63 mm), 4 in (100 mm), 6 in (150 mm) for all models, 9 in (227 mm) and 12 in (300 mm) for B3A and B5A only
Connection:	½ in nptm adjustable angle
Ambient temperature:	-55 to 245 °F/°C
Operating temperature:	Maximum 75 % of full scale value
Accuracy:	ASME B40.200(B40.3), Grade A ± 1 % of the full scale CAN/CGSB - 14.5

Applications

Industrial boilers, food and beverage plants, refineries, chemical plants, HVAC projects, etc. Where a quick and precise reading is required.

**BIMETAL THERMOMETER 3 AND 5 in 304 STAINLESS STEEL
ADJUSTABLE ANGLE
MODELS B3A, B5A AND DIGITAL B3DST**

Dimensions as per diagram

Model	Ø	A	B	C	D	E	F	G	H
B325A	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	1.8 in (46 mm)	4.6 in (116 mm)	0.25 in (6.2 mm)	2.13 in (54.2 mm)	½ in nptm	7/8 hex. (22 mm)
B340A	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	3.4 in (86 mm)	4.6 in (116 mm)	0.25 in (6.2 mm)	2.13 in (54.2 mm)	½ in nptm	7/8 hex. (22 mm)
B360A	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	5.3 in (136 mm)	4.6 in (116 mm)	0.25 in (6.2 mm)	2.13 in (54.2 mm)	½ in nptm	7/8 hex. (22 mm)
B390A	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	8.4 in (213 mm)	4.6 in (116 mm)	0.25 in (6.2 mm)	2.13 in (54.2 mm)	½ in nptm	7/8 hex. (22 mm)
B3120A	3 in (76 mm)	3.25 in (83 mm)	0.7 in (18 mm)	11.5 in (292 mm)	4.6 in (116 mm)	0.25 in (6.2 mm)	2.13 in (54.2 mm)	½ in nptm	7/8 hex. (22 mm)
B325DST	3 in (76 mm)	3.28 in (83 mm)	0.8 in (21 mm)	1.7 in (44 mm)	4.4 in (112 mm)	0.25 in (6.2 mm)	2.29 in (58 mm)	½ in nptm	7/8 hex. (22 mm)
B340DST	3 in (76 mm)	3.28 in (83 mm)	0.8 in (21 mm)	3.3 in (84 mm)	4.4 in (112 mm)	0.25 in (6.2 mm)	2.29 in (58 mm)	½ in nptm	7/8 hex. (22 mm)
B360DST	3 in (76 mm)	3.28 in (83 mm)	0.8 in (21 mm)	5.3 in (136 mm)	4.4 in (112 mm)	0.25 in (6.2 mm)	2.29 in (58 mm)	½ in nptm	7/8 hex. (22 mm)
B525A	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	1.8 in (46 mm)	4.7 in (118 mm)	0.25 in (6.2 mm)	2.22 in (56.3 mm)	½ in nptm	7/8 hex. (22 mm)
B540A	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	3.4 in (86 mm)	4.7 in (118 mm)	0.25 in (6.2 mm)	2.22 in (56.3 mm)	½ in nptm	7/8 hex. (22 mm)
B560A	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	5.3 in (136 mm)	4.7 in (118 mm)	0.25 in (6.2 mm)	2.22 in (56.3 mm)	½ in nptm	7/8 hex. (22 mm)
B590A	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	8.4 in (213 mm)	4.7 in (118 mm)	0.25 in (6.2 mm)	2.22 in (56.3 mm)	½ in nptm	7/8 hex. (22 mm)
B5120A	5 in (127 mm)	5.1 in (130 mm)	0.7 in (18 mm)	11.4 in (290 mm)	4.7 in (118 mm)	0.25 in (6.2 mm)	2.22 in (56.3 mm)	½ in nptm	7/8 hex. (22 mm)

To order, use the code in the corresponding column

Range	MODEL B3A 3 in (76 mm) Ø adjustable angle stem			
	2 1/2 in (63 mm)	4 in (100 mm)	6 in (150 mm)	12 in (300 mm)
-40 to 160°F / -40 to 70°C	B325-01A	B340-01A	B360-01A	
30 to 240°F / 0 to 115°C	B325-03A	B340-03A	B360-03A	
50 to 300°F / 10 to 150°C	B325-05A	B340-05A	B360-05A	
50 to 500°F / 10 to 260°C	B325-07A	B340-07A	B360-07A	
150 to 750°F / 65 to 400°C	B325-08A			
0 to 250°F / -20 to 120°C	B325-09A	B340-09A	B360-09A	B3120-09A
32 to 140°F / 0 to 60°C	B325-10A	B340-10A	B360-10A	
200 to 1,000°F / 90 to 540°C		B340-11A		B3120-11A

Range	MODEL B5A 5 in (127 mm) Ø adjustable angle stem			
	2 1/2 in (63 mm)	4 in (100 mm)	6 in (150 mm)	12 in (300 mm)
-40 to 160°F / -40 to 70°C	B525-01A	B540-01A	B560-01A	B5120-01A
30 to 240°F / 0 to 115°C	B525-03A	B540-03A	B560-03A	
50 to 300°F / 10 to 150°C	B525-05A	B540-05A	B560-05A	
50 to 500°F / 10 to 260°C	B525-07A	B540-07A	B560-07A	
150 to 750°F / 65 to 400°C			B560-08A	
0 to 250°F / -20 to 120°C	B525-09A	B540-09A	B560-09A	B5120-09A
32 to 140°F / 0 to 60°C	B525-10A	B540-10A	B560-10A	
200 to 1,000°F / 90 to 540°C		B540-11A		B5120-11A

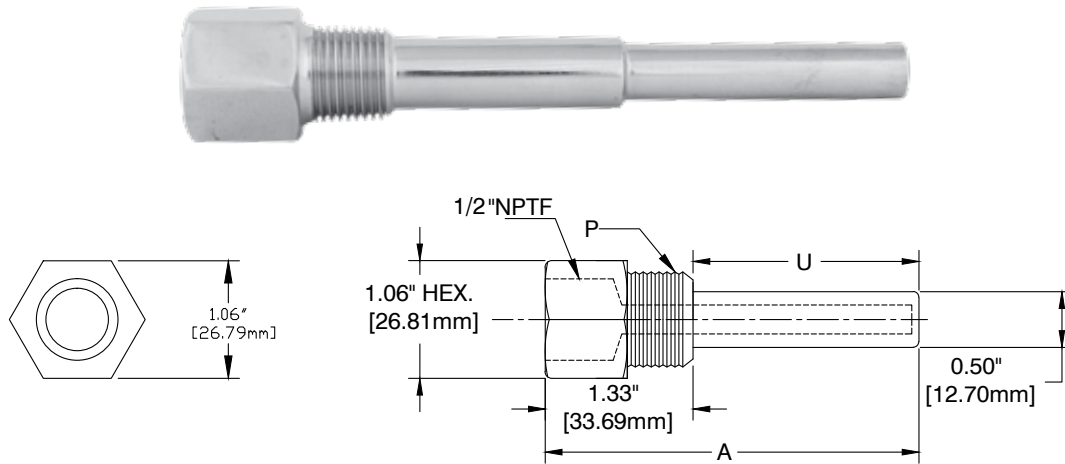
Range	MODEL DIGITAL BDST 3 in (76 mm) Ø adjustable angle stem				
	Diameter	2 1/2 in (63 mm)	4 in (100 mm)	6 in (150 mm)	18 in (450 mm)
-58 to 302°F / -50 to 150°C	3 in (76 mm)	B325DST	B340DST	B360DST	
40 to 140°F / 5 to 60°C	4 in (100 mm)				B4180-13A

Option

Other sizes and models are available upon request.

WELL FOR BIMETAL THERMOMETERS FIXED OR ADJUSTABLE STEM MODEL WEL

Illustrated model: Well for bimetal



Specifications

Type:	For use with bimetal thermometer B3, B5, B3A, B5A and BDST3 2 1/2 in (63 mm), 4 in (100 mm), 6 in (150 mm), 9 in (225 mm) and 12 in (300 mm) stem
Material:	304 or 316 stainless steel
Connection:	1/2 in nptf for bimetal connection and 1/2 or 3/4 in nptm for process connection (see dimensions chart to select the right choice).

Applications

For use in commercial, industrial and institutional buildings, as well as hospitals. Used where a separable socket is required.

Dimensions as per diagram

A	P	Material	U	Model	Product code
2.75 in (69.85 mm)	1/2 in nptm	SS304	1 in (25 mm)	2.5 in (63 mm) stem	WEL-03SS304
2.68 in (68.07 mm)	3/4 in nptm	SS304	1.625 in (41 mm)	2.5 in (63 mm) stem	WEL-03SS304B
2.75 in (69.85 mm)	1/2 in nptm	SS316	1 in (25 mm)	2.5 in (63 mm) stem	WEL-03SS316
4.25 in (108 mm)	1/2 in nptm	SS304	2.5 in (63 mm)	4 in (100 mm) stem	WEL-04SS304
4.25 in (108 mm)	3/4 in nptm	SS304	2.5 in (63 mm)	4 in (100 mm) stem	WEL-04SS304B
4.25 in (108 mm)	1/2 in nptm	SS316	2.5 in (63 mm)	4 in (100 mm) stem	WEL-04SS316
6.25 in (158.75 mm)	1/2 in nptm	SS304	4.5 in (114 mm)	6 in (150 mm) stem	WEL-05SS304
6.25 in (158.75 mm)	3/4 in nptm	SS304	4.5 in (114 mm)	6 in (150 mm) stem	WEL-05SS304B
6.25 in (158.75 mm)	1/2 in nptm	SS316	4.5 in (114 mm)	6 in (150 mm) stem	WEL-05SS316
9.25 in (234.95 mm)	1/2 in nptm	SS304	7.5 in (190.5 mm)	9 in (225 mm) stem	WEL-10SS304
9.25 in (234.95 mm)	1/2 in nptm	SS316	7.5 in (190.5 mm)	9 in (225 mm) stem	WEL-10SS316
12.25 in (311.15 mm)	1/2 in nptm	SS304	10.5 in (266.7 mm)	12 in (300 mm) stem	WEL-11SS304
12.25 in (311.15 mm)	1/2 in nptm	SS316	10.5 in (266.7 mm)	12 in (300 mm) stem	WEL-11SS316

Option

Other sizes and models are available upon request.

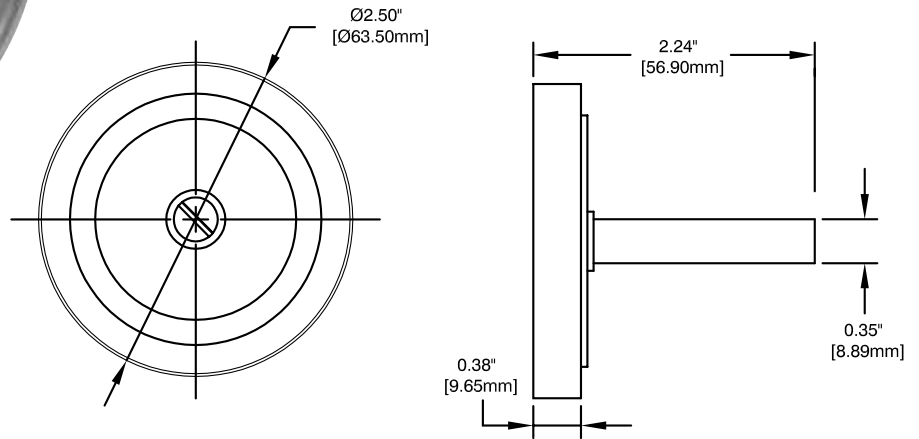
HOT WATER BIMETAL THERMOMETER MODEL B252

Illustrated model: B252



Well SW06

Well PW05



Specifications

Case:	Aluminum
Dial:	2 ½ in (63 mm) white aluminum with graduations °F in black and °C in blue
Ring:	Steel chrome plated
Lens:	Glass
Pointer:	Aluminum painted black
Movement:	Bimetallic coil
Stem:	Brass, 2 in (50 mm) center back
Well:	½ in nptm brass (PW05) or ¾ in brass sweat type (SW06) included
Ambient temperature:	-40 to 250°F / -40 to 121°C
Operating temperature:	Maximum 75 % of full scale value
Accuracy:	ASME B40.200(B40.3), Grade B ± 2 % CAN/CGSB - 14.5

Applications

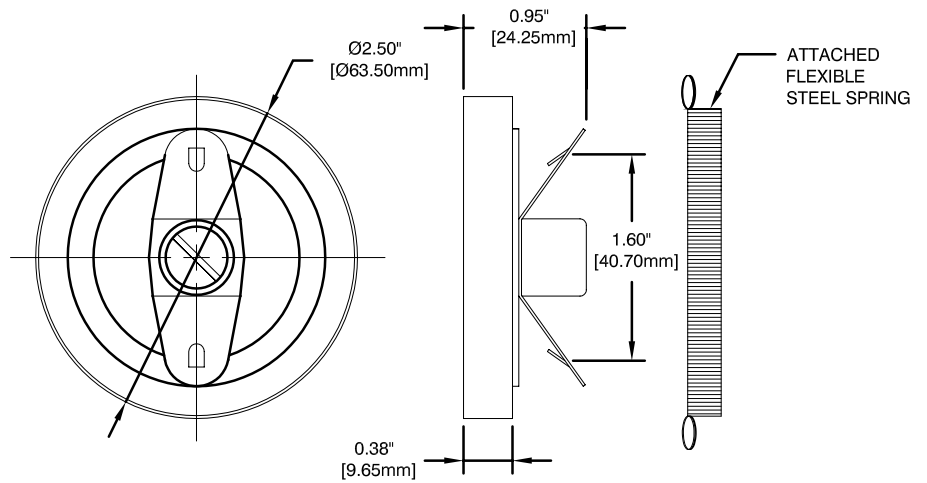
A quality thermometer used in boilers, hydronic applications, HVAC and hot water systems etc.

To order, use the code in the corresponding column

Range	Connection	Product code
30 to 250°F / 0 to 120°C	With well ½ in nptm brass	B252-04PW05
30 to 250°F / 0 to 120°C	With well ¾ in sweat	B252-04SW06

CLAMP-ON THERMOMETER MODEL TCL250

Illustrated model: TCL250-08



Specifications

Case:	Zinc plated steel with spring attachment
Dial:	2 ½ in (63 mm) white aluminum, graduations °F in black and °C in blue
Ring:	Steel chrome plated
Lens:	Acrylic
Pointer:	Aluminum painted black
Movement:	Bimetallic coil
Stem:	Brass surface with zero reset
Ambient temperature:	-40 to 250°F / -40 to 121°C
Operating temperature:	Maximum 75 % of full scale value
Accuracy:	ASME B40.200(B40.3), Grade A ± 1 % CAN/CGSB - 14.4

Applications

Easy installation allows for rapid reading of surface temperature on piping and HVAC conduits. For the plumbing and industrial sectors.

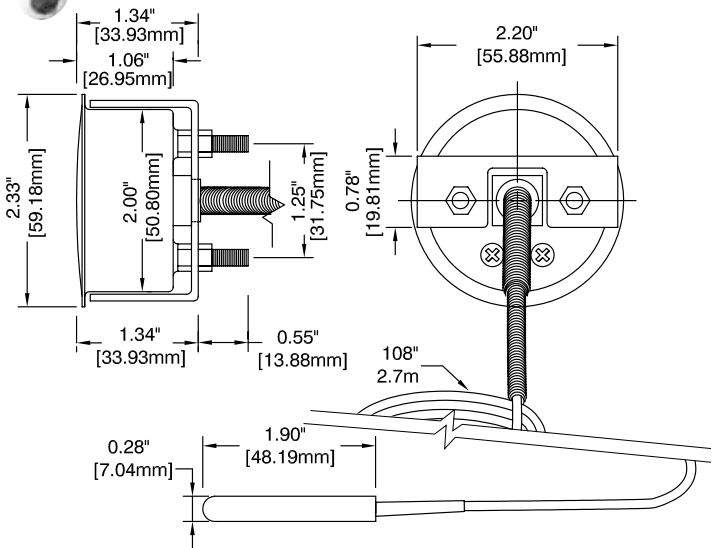
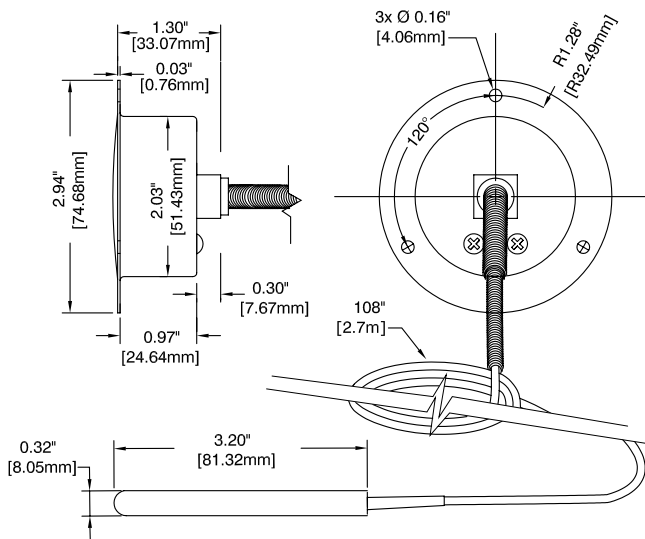
To order, use the code in the corresponding column

Range	Product code
30 to 240°F / 0 to 115°C	TCL250-03
-40 to 110°F / -40 to 40°C	TCL250-08

REMOTE READING HVAC THERMOMETER MODELST200 ANDT250

Illustrated model: T200FF-02

Illustrated model: T200UC-00



Specifications

Case:	304 stainless steel, front flange or U-clamp
Dial:	2 in (50 mm), 2 1/2 in (63 mm) white aluminum with graduations °C in blue, °F in black
Lens:	Acrylic snap in
Pointer:	Adjustable, aluminum painted black
Movement:	Brass
Bourdon tube:	Phosphor bronze
Capillary:	108 in (3 m) double braided copper, plastic coated
Capillary outlet:	Center back
Bulb:	Brass, plastic coated
Operating temperature:	Maximum 75 % of full scale value
Accuracy:	ASME B40.200(B40.4), Grade B ± 2 % CAN/CGSB - 14.4

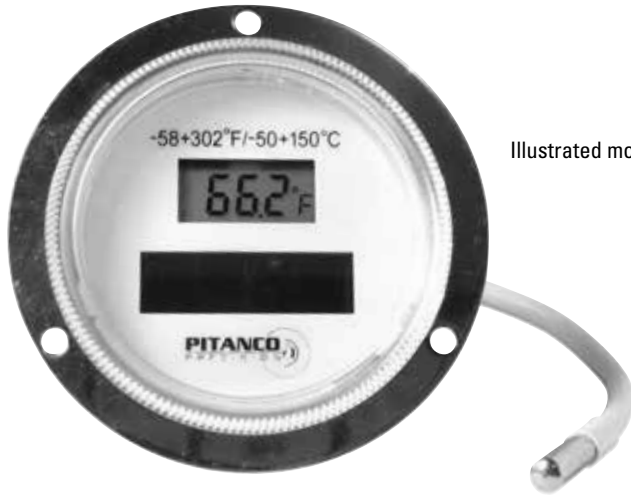
Applications

Refrigeration, HVAC industries and others.

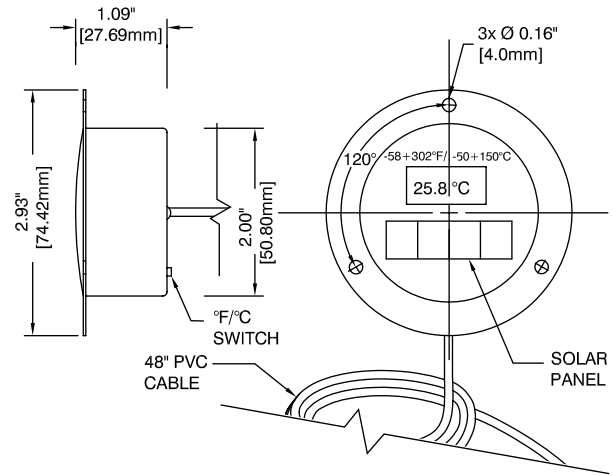
To order, use the code in the corresponding column

Range	2 in (50 mm)		2 1/2 in (63 mm)	
	front flange	U-clamp	front flange	U-clamp
-40 to 60°F / -40 to 15°C	T200FF-00	T200UC-00	T250FF-00	T250UC-00
-20 to 120°F / -30 to 50°C	T200FF-02	T200UC-02	T250FF-02	T250UC-02

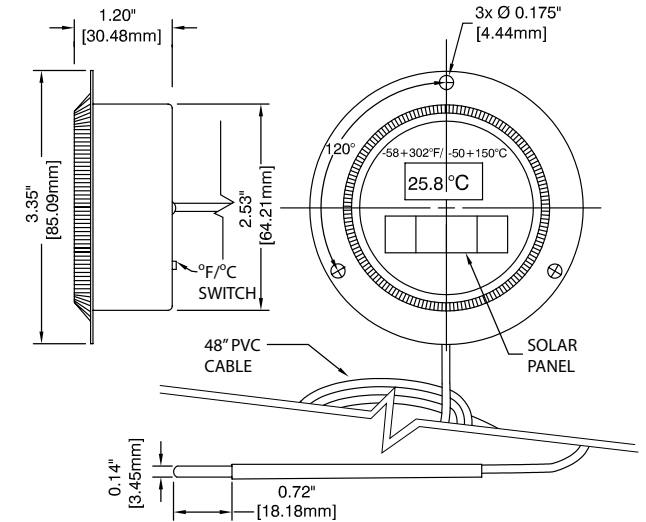
REMOTE READING SOLAR DIGITAL THERMOMETER MODELS DIT200 AND DIT250



Illustrated model: DIT200



Illustrated model: DIT250



Specifications

Case:	304 stainless steel c/w front flange
Dial:	2 in (50 mm), 2 ½ in (63 mm)
Lens:	Polycarbonate
Capillary outlet:	Center back
Capillary:	48 in (1.4 m) PVC
Probe:	304 stainless steel
Display:	Liquid crystal (LCD) up to 3 digits and one decimal
Energy source:	Solar powered, includes lithium back-up battery
Ambient temperature:	14 to 140°F / -10 to 60°C
Operating temperature:	Dual scale switch -58 to 302°F / -50 to 150°C
Accuracy:	ASME B40.200(B40.3), Grade A ± 1 % CAN/CGSB - 14.5

Applications

Refrigeration units, freezers, HVAC and other industrial applications.

To order, use the code in the corresponding column

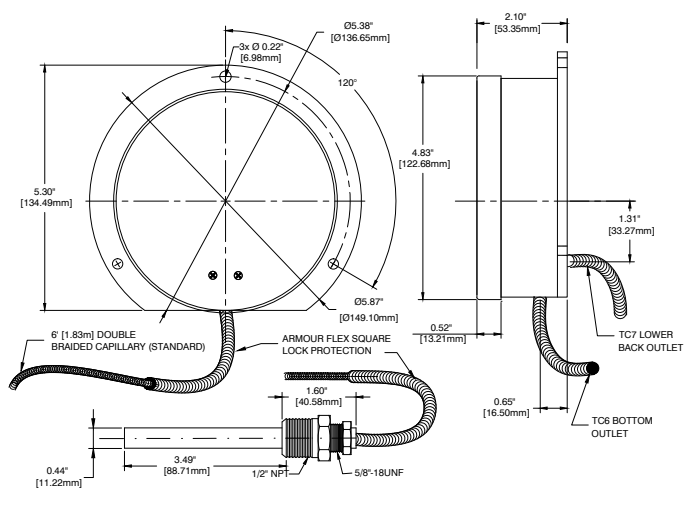
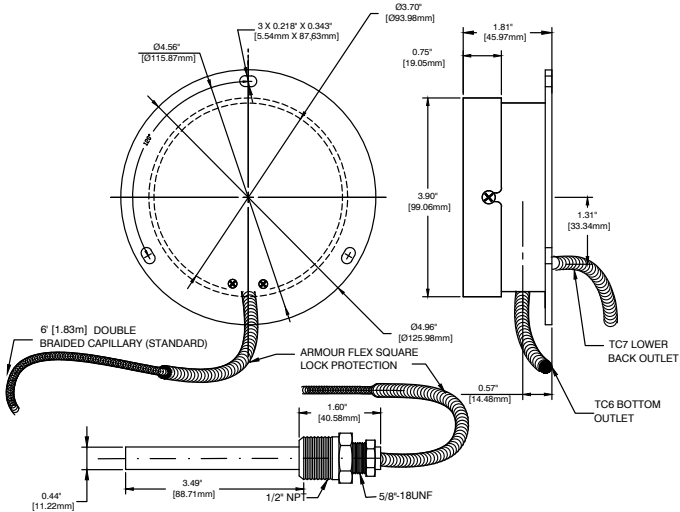
Diameter ø	Range	Product code
2 in (50 mm)	-58 to 302°F / -50 to 150°C	DIT200
2 ½ in (63 mm)	-58 to 302°F / -50 to 150°C	DIT250

REMOTE READING THERMOMETER MANUFACTURED AT OUR PLANT MODELSTC6 ANDTC7

Illustrated model: TC6



Illustrated model: TC7



Specifications

Case:	Cast aluminum painted black, back flange standard
Dial:	White aluminum, black graduations °F inner, °C outer
Ring:	3 ½ in (87 mm) cast aluminum, painted black 4 ½ in (115 mm) chrome plated steel
Lens:	Glass, lexan optional
Pointer:	Anodized black aluminum, adjustable
Bulb and connection:	Bulb 3.49 in (88.7 mm) long x 7/16 in (11.2 mm) Ø, fittings 5/8 - 18 UNF and 5/8 - 18 UNF x ½ in nptm
Movement:	Brass
Capillary:	6 feet (1.83 m) double braided copper standard, up to 75 feet (22.86 m)
Accuracy:	ASME B40.200(B40.4), Grade B ± 2 % CAN/CGSB - 14.4

Applications :

Models TC6 and TC7 are vapour actuated (for distances up to 75 feet (22.86 m) between bulb and dial). Temperature changes registered by the capillary or casing will not affect the reading. Well available for models TC and PX = WEL-TC400SS316 or WEL-TC400BRASS. See page T19.

REMOTE READING THERMOMETER MANUFACTURED AT OUR PLANT (CONTINUED)
MODELSTC6 ANDTC7

To order, use the code in the corresponding column

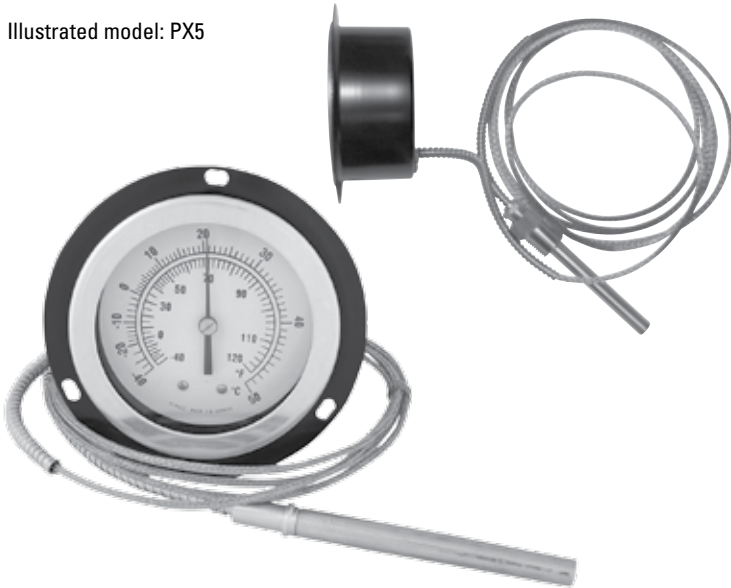
Size	3 1/2 in (87 mm)		4 1/2 in (115 mm)	
Connection	1/2 nptm			
Outlet	bottom	lower back	bottom	lower back
Range				
0 to 100°F / -15 to 38°C	TC635-30	TC735-30	TC645-30	TC745-30
-40 to 120°F / -40 to 50°C	TC635-31	TC735-31	TC645-31	TC745-31
0 to 160°F / -15 to 70°C	TC635-32	TC735-32	TC645-32	TC745-32
30 to 240°F / 0 to 115°C	TC635-33	TC735-33	TC645-33	TC745-33
50 to 300°F / 10 to 150°C	TC635-34	TC735-34	TC645-34	TC745-34
200 to 450°F / 100 to 235°C	TC635-35	TC735-35	TC645-35	TC745-35

Options

304 stainless steel armour flex square lock protection available upon request.
 Well available for models TC and PX = WEL-TC400SS316 or WEL-TC400BRASS. See page T19.

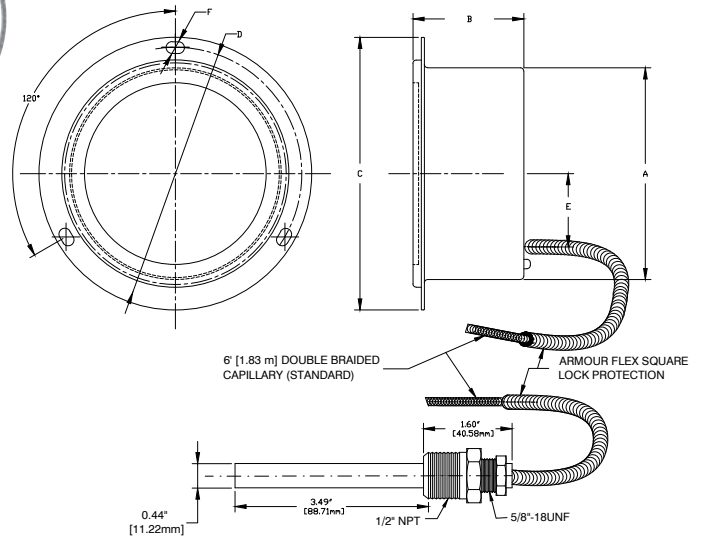
REMOTE READING THERMOMETER MANUFACTURED AT OUR PLANT
MODELS PX5 AND PX8

Illustrated model: PX5



Model PX5 : Front flange for panel mount, lower back capillary outlet

Model PX8 : U-clamp for panel mount, without visible screws, lower back capillary outlet



Specifications

Case:	Spinning steel, painted black, front flange for PX5, U-clamp for PX8
Dial:	White aluminum, black graduations °F inner °C outer
Ring:	Recessed aluminum
Lens:	Glass, lexan optional
Pointer:	Anodised aluminum black, adjustable
Bulb and connection:	Bulb 3.49 in (88.7 mm) long x 7/16 in (11.2 mm) Ø, fittings 5/8 - 18 UNF and 5/8 - 18 UNF x 1/2 in nptm
Movement:	Brass
Capillary:	6 feet (1.83 m) double braided copper standard, maximum 75 feet (22.86 m)
Accuracy:	ASME B40.200(B40.4), Grade A ± 1 % CAN/CGSB - 14.4

Applications

Models PX5 and PX8 are vapour actuated (for distances up to 75 feet (22.86 m) between bulb and dial). Temperature changes registered by the capillary tube or casing will not affect the reading.
 Well available for models TC and PX = WEL-TC400SS316 or WEL-TC400BRASS. See page T19.

REMOTE READING THERMOMETER MANUFACTURED AT OUR PLANT (CONTINUED)
MODELS PX5 AND PX8

Dimensions as per diagram								
Model	A	B	C	D	E	F	Cut-out	Fixation holes
PX5-3.5	3.82 in (97.03 mm)	2 in (50.8 mm)	4.92 in (124.97 mm)	4.56 in (115.82 mm)	1.31 in (33.25 mm)	0.22 x 0.34 in (5.59 x 8.64 mm)	3.88 in (98.55 mm)	3
PX8-3.5	3.82 in (97.03 mm)	2 in (50.8 mm)	4.40 in (111.76 mm)		1.31 in (33.25 mm)		3.88 in (98.55 mm)	U-Clamp
PX5-4.5	4.72 in (119.88 mm)	1.81 in (45.97 mm)	5.88 in (149.22 mm)	5.38 in (136.52 mm)	1.31 in (33.25 mm)	0.22 x 0.34 in (5.59 x 8.64 mm)	4.75 in (120.65 mm)	3
PX8-4.5	4.72 in (119.88 mm)	1.81 in (45.97 mm)	5.38 in (136.52 mm)		1.31 in (33.25 mm)		4.75 in (120.65 mm)	U-Clamp

To order, use the code in the corresponding column

Size	3 1/2 in (87 mm)		4 1/2 in (115 mm)	
Outlet	lower back			
Connection	1/2 nptm			
Style	front flange	U-clamp	front flange	U-clamp
Range				
0 to 100°F / -15 to 38°C	PX535-30	PX835-30	PX545-30	PX845-30
-40 to 120°F / -40 to 50°C	PX535-31	PX835-31	PX545-31	PX845-31
0 to 160°F / -15 to 70°C	PX535-32	PX835-32	PX545-32	PX845-32
30 to 240°F / 0 to 115°C	PX535-33	PX835-33	PX545-33	PX845-33
50 to 300°F / 10 to 150°C	PX535-34	PX835-34	PX545-34	PX845-34
200 to 450°F / 100 to 235°C	PX535-35	PX835-35	PX545-35	PX845-35

Options

Stainless steel armour flex square lock protection available upon request.
 Well available for models TC and PX = WEL-TC400SS316 or WEL-TC400BRASS. See page T19.

STAINLESS STEEL REMOTE THERMOMETER MODELS TC400SS, TC401SS AND TC402SS

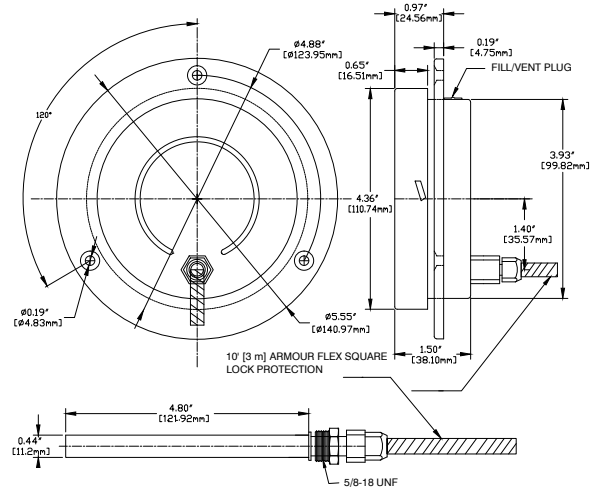
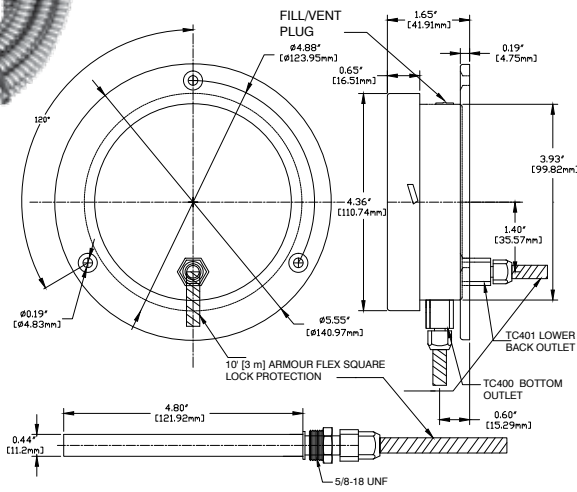
Illustrated model: TC400SS



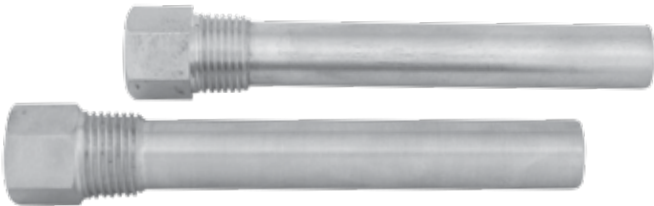
Illustrated model: TC401SS



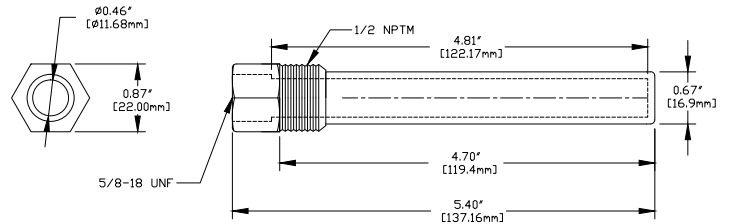
Illustrated model: TC402SS



Well Illustrated model: WEL-TC400BRASS



Well Illustrated model: WEL-TC400SS316



Well sold separately

Specifications

Case:	304 stainless steel (see chart below to select proper style)
Dial:	White aluminum with graduations °F in black and °C in blue
Ring:	304 stainless steel, bayonet style
Lens:	Polycarbonate
Pointer:	Anodized black aluminum, adjustable
Bulb and connection:	316 stainless steel, 4.8 in (121.92 mm) long x 7/16 in (11.2 mm) Ø, connection 5/8 - 18 UNF x 1/2 in nptm
Capillary:	10 feet (3.04 m) stainless steel capillary and stainless steel armor flex standard
Bourdon tube and movement:	316 stainless steel
Accuracy:	ASME B40.200(B40.4), Grade B ± 2 % CAN/CGSB - 14.4

Applications

Plumbing, heating, boilers and all areas that require a temperature reading.

STAINLESS STEEL REMOTE THERMOMETER
To order, use the code in the corresponding column

Size	4 in (100 mm)		
Style	back flange		front flange
Outlet	bottom	lower back	
Connection	1/2 in nptm		
Range			
-40 to 110°F / -40 to 40°C	TC400SS-36	TC401SS-36	TC402SS-36
30 to 240°F / 0 to 115°C	TC400SS-33	TC401SS-33	TC402SS-33
30 to 300°F / 0 to 150°C	TC400SS-37	TC401SS-37	TC402SS-37
200 to 500°F / 100 to 250°C	TC400SS-38	TC401SS-38	TC402SS-38

Options

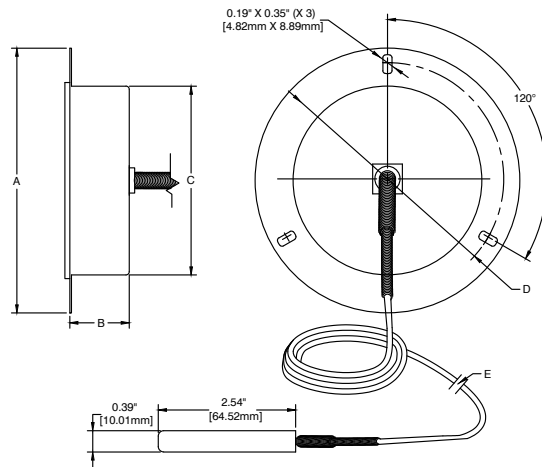
Capillary length up to 65' (19.8 m), other ranges available.

Model TC400SS: Back flange for surface mounting with capillary bottom outlet.
Model TC401SS: Back flange for surface mounting with capillary lower back outlet.
Model TC402SS: Front flange for panel mounting with capillary lower back outlet.

Well available for models TC and PX = WEL-TC400SS316 or WEL-TC400BRASS. See page T19.

THERMOMETER 3 1/2 in (90 mm) FRONT FLANGE
MODEL TC35SS-03

Illustrated model: TC35SS-03



Specifications

Case	304 Stainless steel
Dial:	White aluminum, black marking
Lens:	Snap-in polycarbonate
Pointer	Aluminum painted black
Movement:	Brass
Bourdon tube:	Phosphor bronze
Sensor:	316 stainless steel, sensor without connection, 0.39 in (10.01 mm) OD x 2.54 in (64.5 mm) long
Range:	30 to 240°F / 0 to 115°C
Accuracy:	ASME B40.200(B40.4), Grade B ± 2 % CAN/CGSB - 14.4

Applications

Refrigeration, tank, industrial oven, etc.

Dimensions as per diagram

Dial	A	B	C	D	E
3.375 in (85.6 mm)	4.90 in (124.33 mm)	1.10 in (27.94 mm)	3.49 in (88.6 mm)	4.43 in (112.5 mm)	5 feet (1.524 m)

TRIDICATOR MODEL TRI

Illustrated model: TRI-02



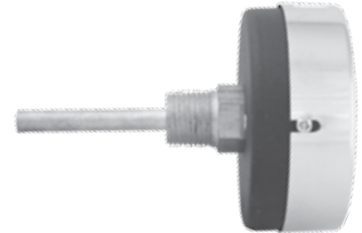
Illustrated model: TRI-03



Illustrated model: TRI-01



Illustrated model: TRI-04



Specifications

Case:	Steel, painted black
Dial:	White aluminum, psi and °F in black, kPa and °C in blue
Lens and cover:	2 ½ in (63 mm) acrylic threaded lens cover 3 in (80 mm) polycarbonate lens and chrome plated ring
Pointer:	Anodized black aluminum
Movement:	Brass (pressure) bimetal coil (temperature)
Stem:	Brass
Connection:	2 ½ in (63 mm) ¼ in nptm, 3 in (80 mm) ½ in nptm
Recommended pressure and temperature:	Maximum 67 % of full scale value
Ambient temperature:	25 to 125°F / -5 to 50°C
Accuracy:	Pressure and Temperature: Grade B ± 2%

Applications

Water heaters, boilers, hot water furnaces, etc. Where it is necessary to measure both temperature and pressure with the same instrument.

To order, use the code in the corresponding column

Diameter Ø	Range	Connection	Product code
2 ½ in (63 mm)	0 to 75 psi/kPa and 30 to 240°F/C	¼ in nptm center back mount	TRI-01
2 ½ in (63 mm)	0 to 75 psi/kPa and 30 to 240°F/C	¼ in nptm bottom mount	TRI-02
3 in (80 mm)	0 to 75 psi/kPa and 30 to 240°F/C	½ in nptm bottom mount	TRI-03
3 in (80 mm)	0 to 75 psi/kPa and 30 to 240°F/C	½ in nptm center back mount	TRI-04
3 in (80 mm)	0 to 100 psi/kPa and 30 to 240°F/C	½ in nptm bottom mount	TRI-05
3 in (80 mm)	0 to 100 psi/kPa and 30 to 240°F/C	½ in nptm center back mount	TRI-06
3 in (80 mm)	0 to 200 psi/kPa and 30 to 240°F/C	½ in nptm bottom mount	TRI-07
3 in (80 mm)	0 to 200 psi/kPa and 30 to 240°F/C	½ in nptm center back mount	TRI-08
3 in (80 mm)	0 to 100 psi and 0 to 80°F	½ in nptm bottom mount	TRI-10
3 in (80 mm)	0 to 100 psi and 0 to 80°F	½ in nptm center back mount	TRI-11

TRICATOR MODEL TRI

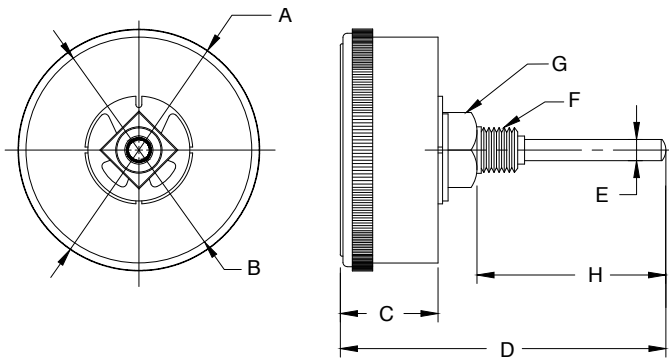


Diagram: TRI 2 1/2 in CENTER BACK

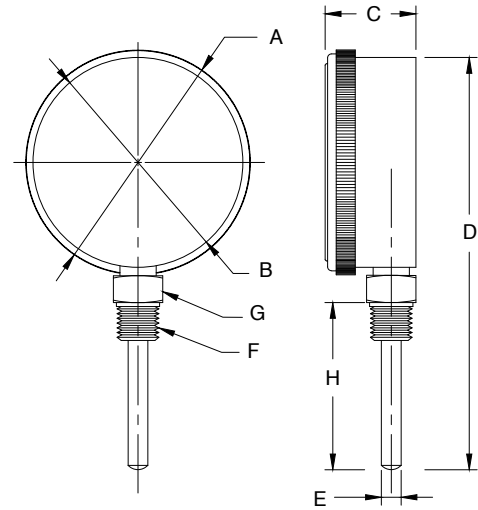


Diagram: TRI 2 1/2 in BOTTOM

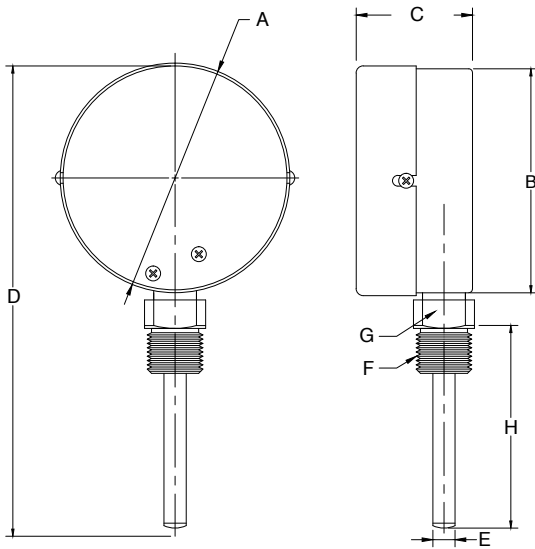


Diagram: TRI 3 in BOTTOM

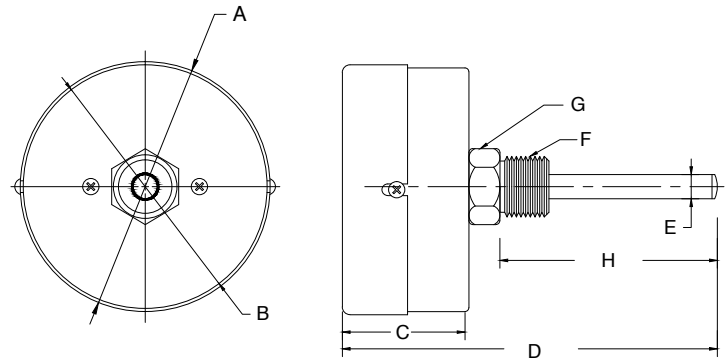


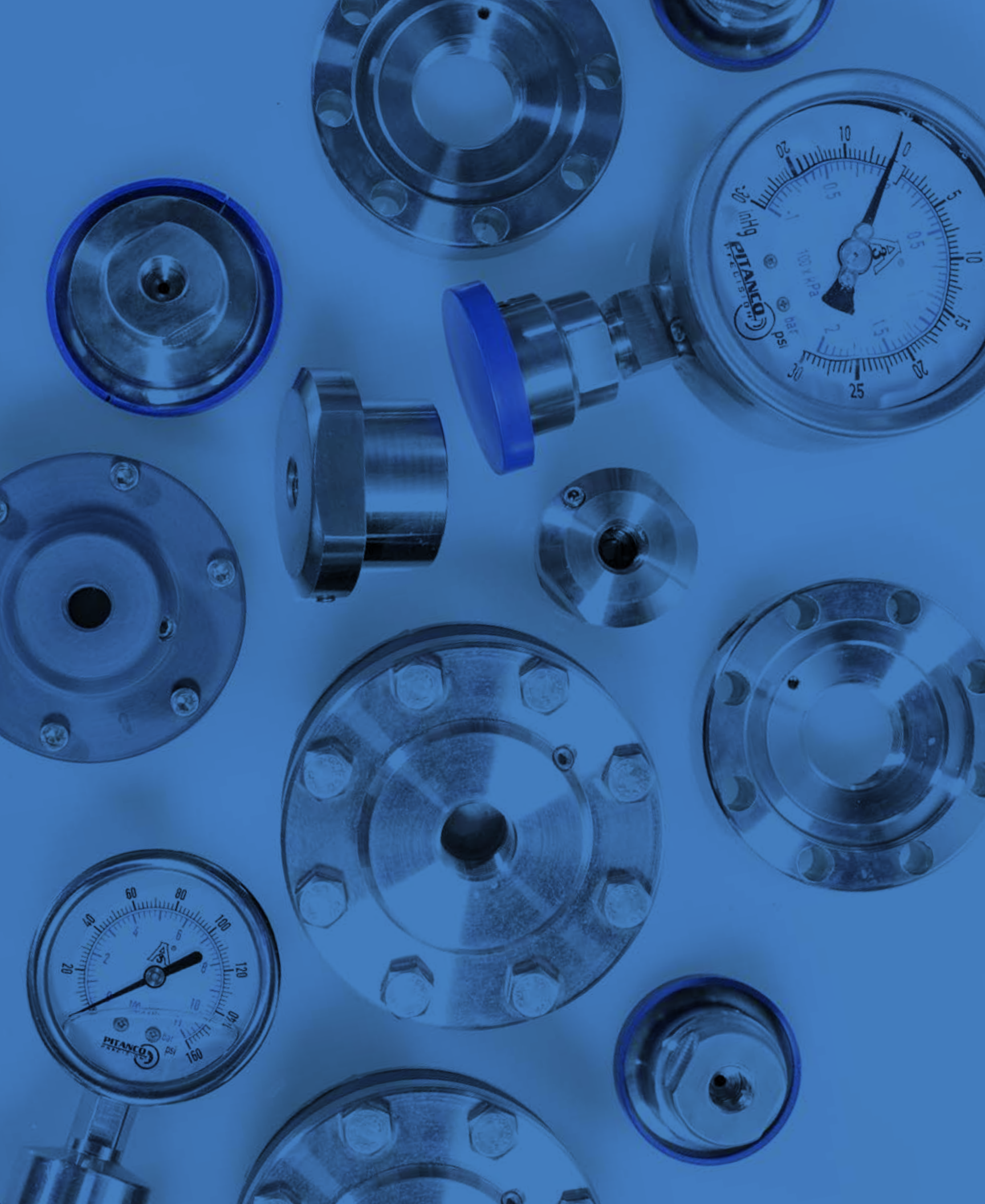
Diagram: TRI 3 in CENTER BACK

Dimensions as per diagram

Ø	A	B	C	D	E	F	G	H
2.5 in (63 mm)	2.83 in (72 mm)	2.63 in (66.8 mm)	1.14 in (28.9 mm)	3.78 in (96.01 mm) (center back)	0.25 in (6.4 mm)	¼ in nptm	0.625 in (16 mm) flat	2.20 in (55.9 mm)
2.5 in (63 mm)	2.83 in (72 mm)	2.63 in (66.8 mm)	1.27 in (32.38 mm)	5.26 in (133.6 mm) (bottom)	0.25 in (6.4 mm)	¼ in nptm	0.625 in (16 mm) flat	2.30 in (58.4 mm)
3 in (80 mm)	3.20 in (81.3 mm)	3.13 in (79.5 mm)	1.37 in (34.8 mm)	4.63 in (117.6 mm) (center back)	0.32 in (8.1 mm)	½ in nptm	0.875 in (22 mm) flat	2.87 in (72.9 mm)
3 in (80 mm)	3.20 in (81.3 mm)	3.13 in (79.5 mm)	1.50 in (38 mm)	6.52 in (121.1 mm) (bottom)	0.32 in (8.1 mm)	½ in nptm	0.875 in (22 mm) flat	2.80 in (71.1 mm)

A close-up photograph of a metal diaphragm component. The component features a central threaded section with a hexagonal flange. The background is a blurred industrial setting with various mechanical parts and pipes. The image is overlaid with a blue gradient.

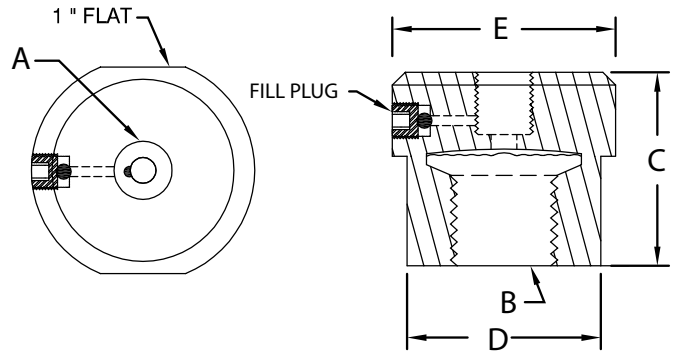
Diaphragms



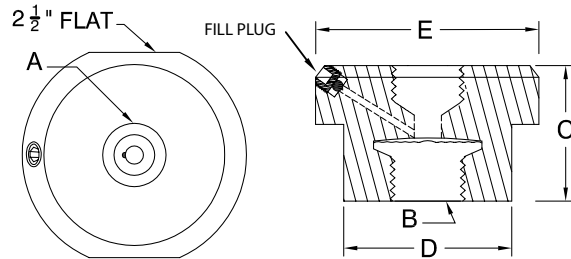
MINI DIAPHRAGM SEALS
MODELS MD175, MD250 AND MD250LP



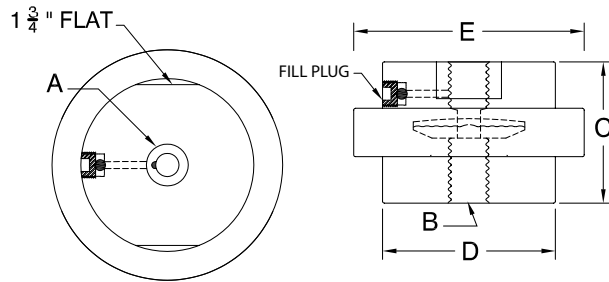
Illustrated model: MD175



Illustrated model: MD250



Illustrated model: MD250LP



Specifications

Housing:	1 piece 316 stainless steel
Diaphragm:	Welded 316 stainless steel
Operating pressure:	From -30 to 60 psi use MD250LP, for 60 psi and up or equivalence use model MD175 or MD250
Process connection:	1/4, 1/2, 3/4, 1 in nptf (1 in available only with MD250 and MD250LP)
Instrument connection:	1/4 in or 1/2 in nptf
Compliance:	Diaphragm seal standard ASME B40.2

Applications

The mini diaphragm seal is an economical method to prevent corrosive and viscous process media from clogging or solidifying the internals of the instrument.

MINI DIAPHRAGM SEALS (CONTINUED)
MODELS MD175, MD250 AND MD250LP
 To order, use the code in the corresponding column

Dimensions as per diagram										
A Instrument connection	B Process connection	Code	C	D	E	Product code				
MD175										
¼ in nptf	¼ in nptf	01	1.5 in (38.1 mm)		1.73 in (43.9 mm)	MD175-01				
	½ in nptf	02				MD175-02				
½ in nptf	½ in nptf	05				MD175-05				
	¾ in nptf	06				MD175-06				
MD250 et MD250LP										
¼ in nptf	¼ in nptf	01				1.5 in (38.1 mm)	1.86 in (47.2 mm)	2.5 in (63 mm)	MD250-01	
	½ in nptf	02	MD250-02LP							
	1 in nptf	04	MD250-04LP							
½ in nptf	½ in nptf	05	MD250-05LP							
	1 in nptf	07	MD250-07							

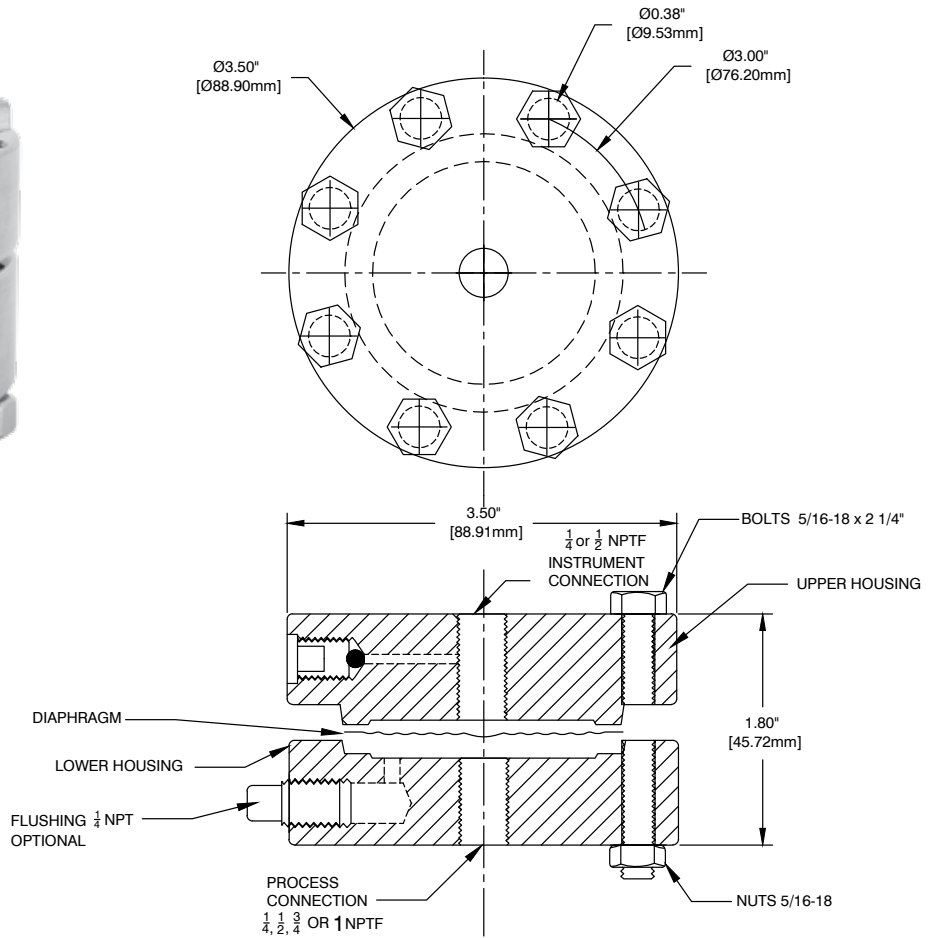
IMPORTANT: For pressure lower than 60 psi (400kPa) use only series MD250LP

Always indicate the type of assembly / filling desired:

TYPE OF ASSEMBLING AND FILLING	
Product code	Description
FIL-GD	Glycerin 32 to 160°F / 0 to 70°C
FIL-GWD	Glycerin / water (standard) -40 to 160°F / -40 to 70°C
FIL-SID	Silicone DC200 1,000 CS -40 to 400°F / -40 to 200°C
FIL-SIHD	Silicone high temperature -70 to 600°F / -56 to 315°C
FIL-FL-FS5D	Fluorolube FS5 -50 to 500°F / -45 to 260°C

2 PIECE DIAPHRAGM SEAL MODEL D400

Illustrated model: D400



Specifications

Housing:	Availability: 316 stainless steel, carbon steel, Teflon, Monel, Hasteloy C, others available upon request
Diaphragm:	316 stainless steel (standard), Teflon, Viton, Hasteloy C and Monel
Operating pressure:	-30 to 60 psi model with low pressure diaphragm, from 60 to 2,500 psi or equivalence (see chart).
Process connection:	1/4, 1/2, 3/4 and 1 in nptf with or without flushing port
Instrument connection:	1/4 or 1/2 in nptf
Compliance:	Diaphragm seal standard ASME B40.2

Applications

Rugged diaphragm seal used to protect the instrument from clogging or solidification caused by corrosive and viscous process media that can damage the internals of the instrument.

2 PIECE DIAPHRAGM SEAL

MODEL D400

To order, use the code in the corresponding column

Instrument connection Upper housing	Code	Material	Product code low pressure -30 in Hg to 60 psi	Product code pressure 60 to 2,500 psi
¼ in nptf	08	carbone steel 316 stainless steel	D400USS-08LP	D400UCS-08 D400USS-08
½ in nptf	09	carbone steel 316 stainless steel	D400USS-09LP	D400UCS-09 D400USS-09

Process connection Lower housing	Code	Material	Product code without flushing port	Product code with flushing port
¼ in nptf	01	316 stainless steel	D400LSS-01	D401LSS-01
½ in nptf	02		D400LSS-02	D401LSS-02
¾ in nptf	06		D400LSS-06	D401LSS-06
1 in nptf	04		D400LSS-04	D401LSS-04

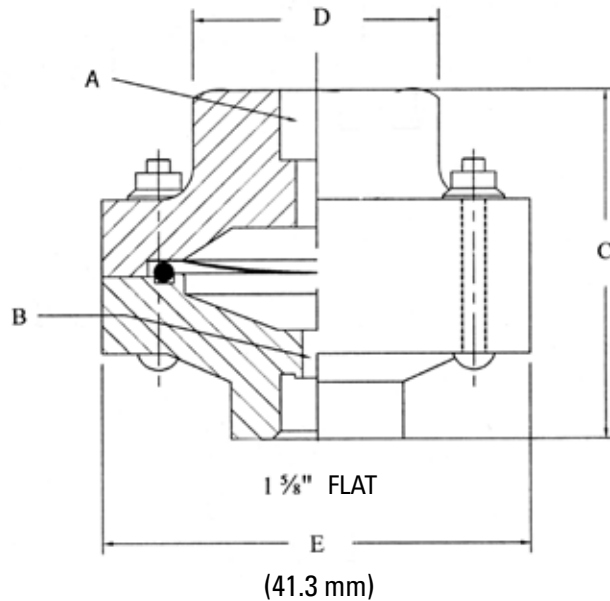
IMPORTANT: For pressures lower than 60 psi (400kPa), use a diaphragm and housing designed for low pressure: Model D400USS-LP with a viton diaphragm.

Always order the proper diaphragm to correspond with the seal application.
Always indicate the type of assembly / filling desired. See page D2 for the right code.
Diaphragm seals for pressures higher than 2,500 psi available upon request.

Option for 2 piece diaphragm seal model D400

Material	Product code
316 stainless steel	CAPS316SS
Teflon	CAPSTEFLO
Viton	CAPSVITON
Hasteloy C	CAPSHASC
Monel	CAPSMON
Tantalum	CAPSTANTA
Buna-N O-ring	O-BUNA-N
Teflon O-ring	O-TEFLO
Viton O-ring	O-VITON

POLYVINYL CHLORIDE (PVC) DIAPHRAGM SEAL
MODEL 250PVC AND 300PVC-LP



Specifications

Housing:	PVC
Diaphragm:	Model 250PVC: Teflon / 300PVC-LP: Viton
Operation pressure:	250PVC: 30 to 200 psi / 300PVC-LP: vacuum to 30 psi or equivalence
Process connection:	¼ or ½ in nptf standard, other sizes available upon request
Instrument connection:	¼ or ½ in nptf
Compliance:	Diaphragm seal standard ASME B40.2

Applications

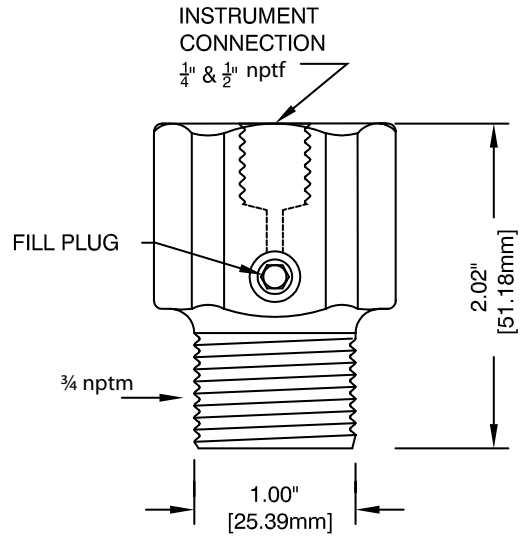
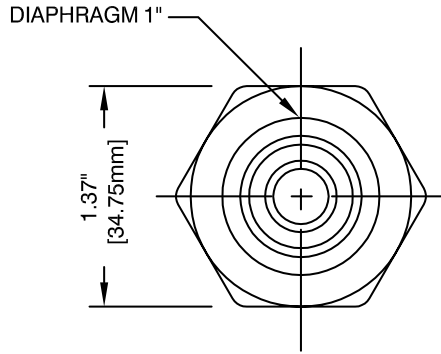
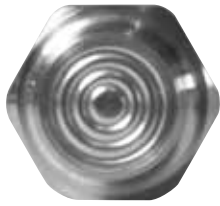
The PVC diaphragm seal is an economic method used to protect the instrument from clogging or solidification caused by corrosive or viscous process media that can damage the internals of the instrument.

Model	A Instrument connection	B Process connection	Code	C	D	E	Product code
250PVC	¼ in nptf	¼ in nptf	01	2 in (50.8 mm)	1.5 in (38.1 mm)	2.5 in (63 mm)	250PVC-01
		½ in nptf	02				250PVC-02
300PVC-LP -30 in Hg to 60 psi		¼ in nptf	01			3.266 in (82.81 mm)	300PVC-LP01
		½ in nptf	02				300PVC-LP02

Always indicate the type of assembly / filling desired. See page D2 for the right code.

IN LINE DIAPHRAGM SEAL MODEL DF150

Illustrated model: DF150



Specifications

Housing:	1 piece 316 stainless steel
Diaphragm:	Welded 316 stainless steel
Operating pressure:	600 to 6,000 psi or equivalence
Process connection:	3/4 in nptm, other sizes available upon request
Instrument connection:	1/4 in nptf
Compliance:	Diaphragm seal standard ASME B40.2

Applications

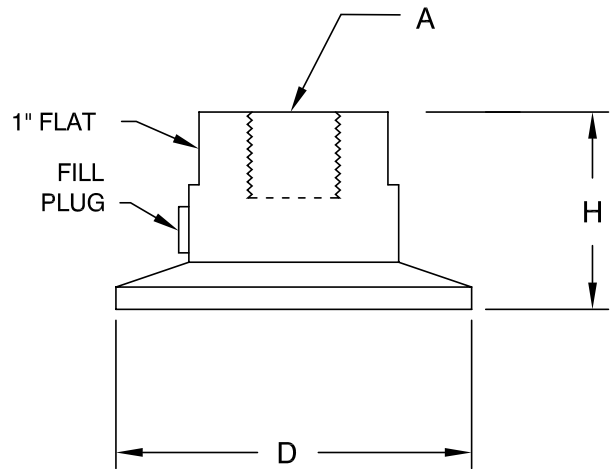
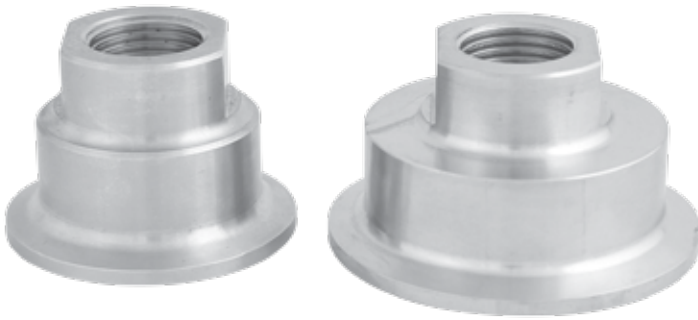
A diaphragm seal is used to protect the instrument from clogging or solidification caused by corrosive or viscous process media that can damage the internals of the instrument.

Instrument connection	Process connection	Product code
1/4 in nptf	3/4 in nptm	DF150-03

Always indicate the type of assembly / filling desired. See page D2 for the right code.

SANITARY DIAPHRAGM SEAL
MODELS DTC150SS AND DTC200SS

Illustrated model: DTC150SS and DTC200SS



Specifications

Housing:	1 piece 316 stainless steel
Diaphragm:	Welded 316 stainless steel
Operating pressure:	30 to 1,000 psi or equivalence
Process connection:	1 ½ in (40 mm) or 2 in (50 mm) sanitary "Tri-clamp®" connection
Instrument connection:	¼ in or ½ in nptf
Compliance:	Diaphragm seal standard ASME B40.2

Applications

Primarily used in the food and beverage, dairy, pharmaceutical and chemical industries. The one piece "Tri-clamp®" connection prevents bacteria build-up and allows for easy cleaning of the instrument and seal.

To order, use the code in the corresponding column

Dimensions as per diagram

Tri-Clamp size	A	D	H	Product code
1.5 in (40 mm)	¼ in nptf	2 in (50.8 mm)	1.38 in (35 mm)	DTC150-25SS
	½ in nptf			DTC150-50SS
2 in (50 mm)	¼ in nptf	2.5 in (63.5 mm)		DTC200-25SS
	½ in nptf			DTC200-50SS

Note: Tri-Clamp® is a registered trademark of Tri-Clover®
 Always indicate the type of assembly / filling desired. See page D2 for the right code.





Accessories



ACCESSORIES AND SERVICES

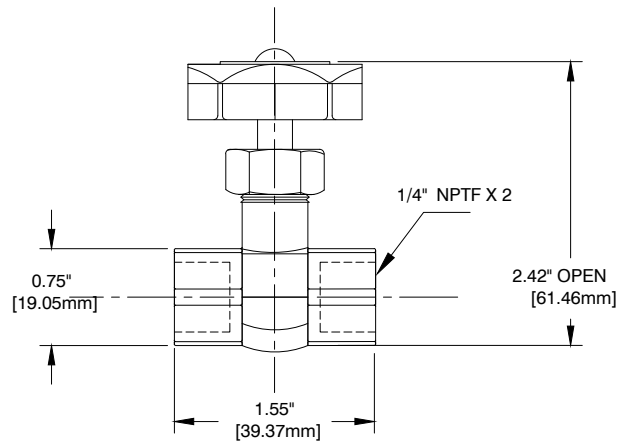
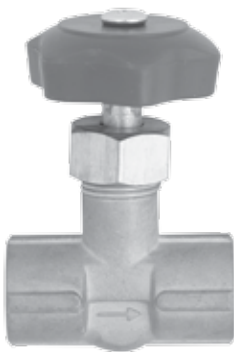
To order, use the code in the corresponding column

Accessories and services	Product code
Calibration certificate for gauge	CERT-M
Calibration certificate for used gauge	CERT-U
Calibration certificate for thermometer	CERT-T
Gauge protector 2 ½ in (63 mm)	GP250
Oxygen service	* OS
Polycarbonate lens with maximum red pointer for 4 in (100 mm)	400-MAX
Snubbers	See page A 7
Mini ball valve	See page A 4
Test plug (Pete's plug®)	See page A 6
Needle valve	See pages A 1 - A 2
Pigtail siphon	See page A 5
Cooling tower 316 stainless steel	See page A 3

* Price according to size

FORGED BRASS NEEDLE VALVE MODEL NV25FFB

Illustrated model: NV25FFB

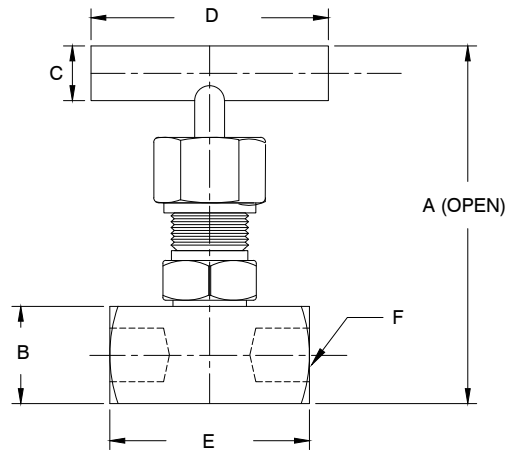
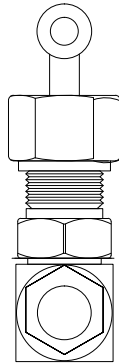


Specifications

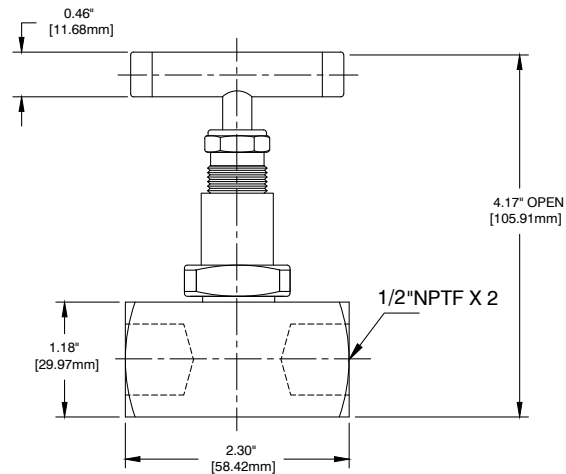
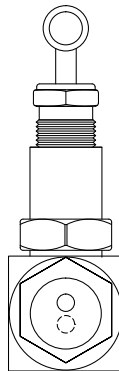
Housing:	Forged brass #59-1
Handle:	ABS red plastic
O-ring:	Rubber
Connection:	¼ in nptf x ¼ in nptf
Operating pressure:	0 to 400 psi / 0 to 2,758 kPa
Operating temperature:	-9 to 212°F / -23 to 100°C

ONE PIECE BRASS OR 316 STAINLESS STEEL NEEDLE VALVE MODELS NVB AND NVSS316

Illustrated model: NV25FFSS316



Illustrated model: NV50FFB



Product code:	NV50FFB	NV25FFSS316	NV50FFSS316	NV75FFSS316	NV100FFSS316
Housing:	One piece brass	One piece 316 stainless steel			
Packing:	Stainless steel	Teflon			
Connection:	½ in nptf x ½ in nptf	¼ in nptf x ¼ in nptf	½ in nptf x ½ in nptf	¾ in nptf x ¾ in nptf	1 in nptf x 1 in nptf
Stem:	Brass	316 stainless steel			
Operating pressure:	0 to 2,000 psi / 13,790 kPa	0 to 6,000 psi / 41,369 kPa			
Operating temperature:	< 300°F / 150°C	< 500°F / 250°C			

Applications

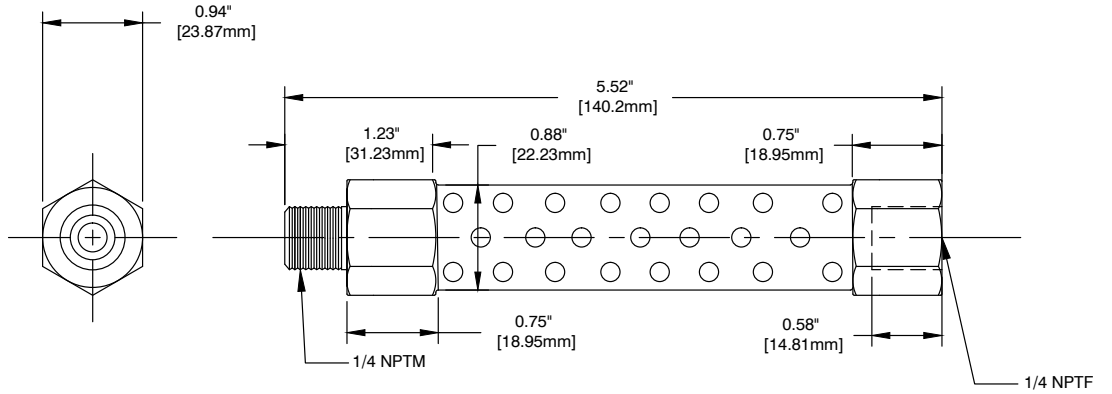
Conical stem which penetrates more or less in an orifice and serves to adjust the flow of a non-corrosive fluid. It is always recommended to install a mini ball valve or a needle valve on a line before each pressure gauge installation.

Dimensions as per diagram

Model	A	B	C	D	E	F
NV25FFSS316	3,60 in (91,44 mm)	0,98 in (24,89 mm)	0,55 in (13,97 mm)	2,39 in (60,71 mm)	2,01 in (51,05 mm)	¼ in nptf
NV50FFSS316	4,17 in (105,91 mm)	1,18 in (29,97 mm)	0,46 in (11,68 mm)	2,25 in (57,15 mm)	2,3 in (58,42 mm)	½ in nptf
NV75FFSS316	4 in (101,6 mm)	1,38 in (35,05 mm)	0,47 in (11,94 mm)	2,27 in (57,66 mm)	2,59 in (65,79 mm)	¾ in nptf
NV100FFSS316	4,82 in (122,43 mm)	1,76 in (44,70 mm)	0,62 in (15,75 mm)	3,54 in (89,92 mm)	2,82 in (71,63 mm)	1 in nptf

COOLING TOWER MODEL CTSS

Illustrated model: CTSS-50



Specifications	Product code
Housing:	316 stainless steel
Maximum operating pressure:	8,700 psi / 60 Mpa
Maximum operating temperature:	570°F / 300°C
Connection:	<div style="display: flex; justify-content: space-between;"> ¼ in nptf x ¼ in nptm CTSS-25 </div> <div style="display: flex; justify-content: space-between;"> ½ in nptf x ½ in nptm CTSS-50 </div>

Applications

Serves to cool the fluid or the media up to 500°F (260°C). The cooling of the media also depends on the ambient temperature.

MINI BALL VALVE MODEL MBV

Illustrated model: MBV25R

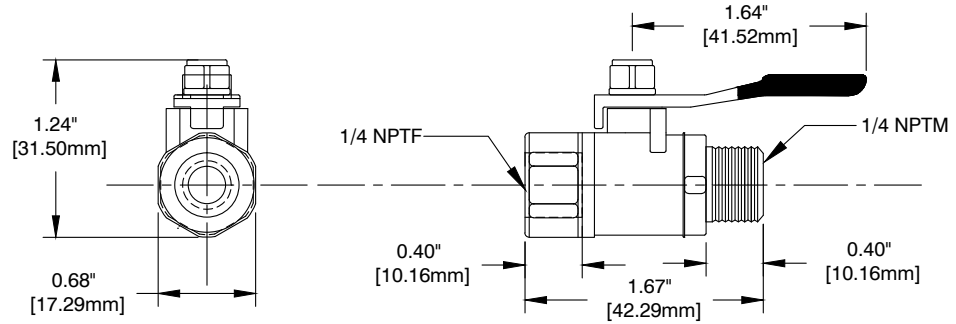
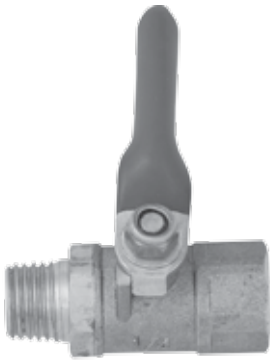


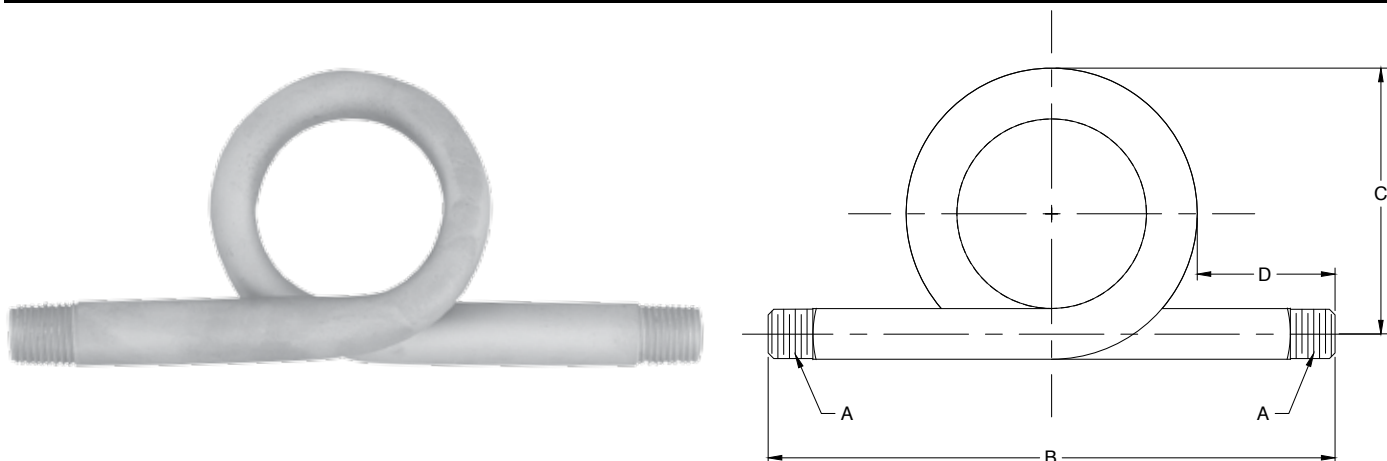
Diagram: MBV25L

Product code:	MBV25L	MBV25R
Housing:	Brass	
Packing:	Teflon	
Connection:	1/4 in nptf x 1/4 in nptm	
Opening:	Left turn	Right turn
Maximum operating pressure:	600 psi / 4,137 kPa	600 psi / 4,137 kPa
Maximum operating temperature:	250°F / 120°C	250°F / 120°C

Applications

The mini ball valve is an economical way to protect and stop the flow of air or fluid into the pressure gauge. It is always recommended to install a mini ball valve or a needle valve on a line before each pressure gauge installation.

PIGTAIL SIPHONS



Specifications

Material	Connection	* Maximum pressure	* Temperature calculated at	Product code
Black steel schedule 40	¼ nptm x ¼ nptm	679 psi	650°F / 343°C	SI25A-40
Black steel schedule 80	¼ nptm x ¼ nptm	1,046 psi	650°F / 343°C	SI25A-80
Galvanised steel schedule 40	¼ nptm x ¼ nptm	679 psi	650°F / 343°C	SI25GV-40
Galvanised steel schedule 80	¼ nptm x ¼ nptm	1,046 psi	650°F / 343°C	SI25GV-80
Brass	¼ nptm x ¼ nptm	245 psi	400°F / 204°C	SI25B
304 stainless steel schedule 40	¼ nptm x ¼ nptm	462 psi	650°F / 343°C	SI25304-40
304 stainless steel schedule 80	¼ nptm x ¼ nptm	1,569 psi	650°F / 343°C	SI25304-80
316 stainless steel schedule 40	¼ nptm x ¼ nptm	475 psi	650°F / 343°C	SI25316-40
Black steel schedule 40	½ nptm x ½ nptm	1,117 psi	650°F / 343°C	SI50A-40
Black steel schedule 80	½ nptm x ½ nptm	2,419 psi	650°F / 343°C	SI50A-80
Galvanised steel schedule 40	½ nptm x ½ nptm	1,117 psi	650°F / 343°C	SI50GV-40
Galvanised steel schedule 80	½ nptm x ½ nptm	2,419 psi	650°F / 343°C	SI50GV-80
Brass	½ nptm x ½ nptm	245 psi	400°F / 204°C	SI50B
304 stainless steel schedule 40	½ nptm x ½ nptm	760 psi	650°F / 343°C	SI50304-40
304 stainless steel schedule 80	½ nptm x ½ nptm	1,645 psi	650°F / 343°C	SI50304-80
316 Stainless steel schedule 40	½ nptm x ½ nptm	782 psi	650°F / 343°C	SI50316-40

Applications

Pigtail siphons are installed on steam line in order to protect the pressure gauge and related connections from the medium. The curved part of the siphon generates a condensation formation that remains in the curved part of the siphon to protect the measuring instrument. It is imperative to use a pigtail siphon on all devices when the temperature of the medium is 100°C (212°F) or more, it allows the hot medium to cool before entering the pressure instrument.

*** As pressure and temperature may vary, please contact our representatives for further information.**

Dimensions as per diagram

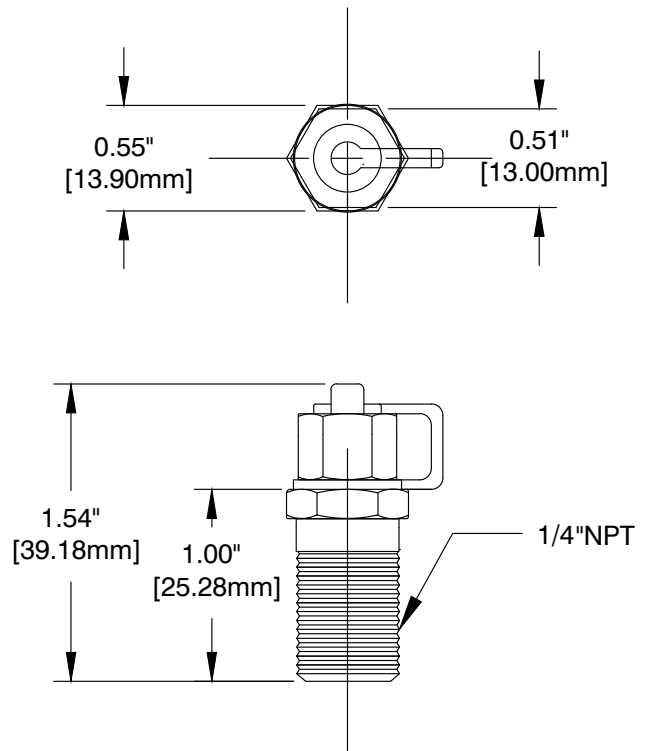
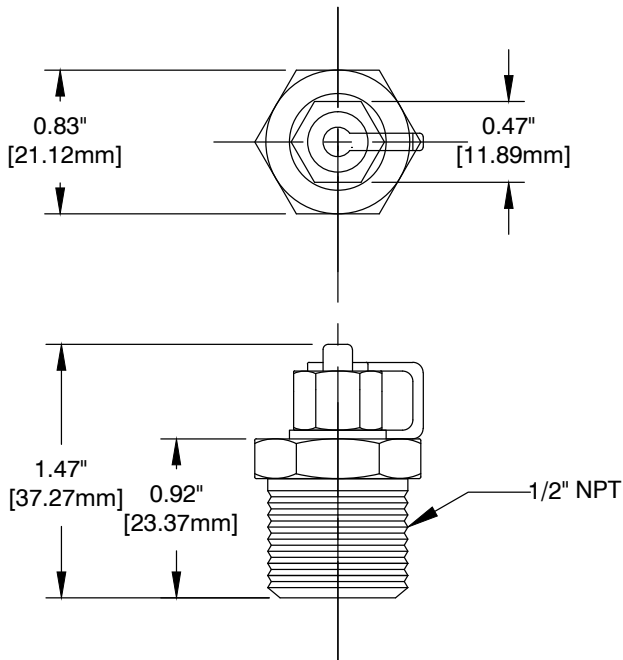
Model	A	B	C	D
SI25	¼ nptm x ¼ nptm	5.80 in (147.32 mm)	2.23 in (56.64 mm)	1.70 in (43.18 mm)
SI50	½ nptm x ½ nptm	8.2 in (208.28 mm)	4.05 in (102.87 mm)	2.05 in (52.07 mm)

PTT (test plug or Pete's Plug®)
Pressure, temperature test plug

Illustrated model: PTTP-50B



Illustrated model: PTTP-25B



Specifications

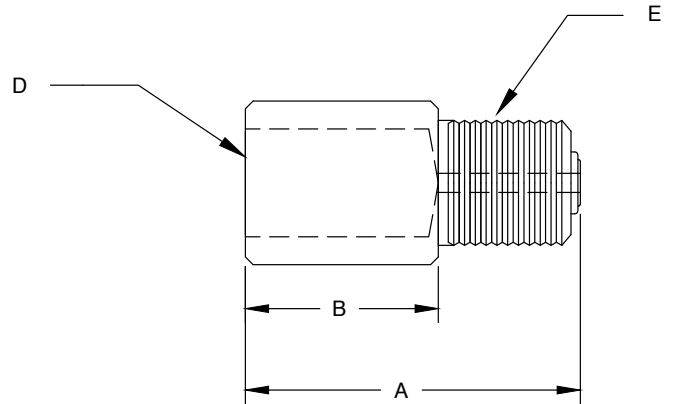
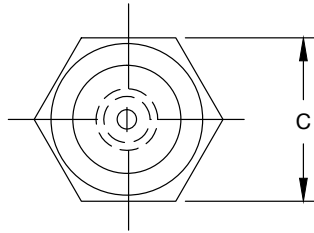
Body:	Brass
Diaphragm / core:	EPDM
End process connection:	¼ or ½ nptm
Cap retainer:	Plastic
Maximum operating pressure:	1,000 psi (6,894 kPa)
Maximum process temperature:	350°F (176°C)

Applications

The PTT test plug facilitates quick pressure and temperature reading at recommended test points without disturbing the process.

SNUBBER MODEL SN

Illustrated model: SN

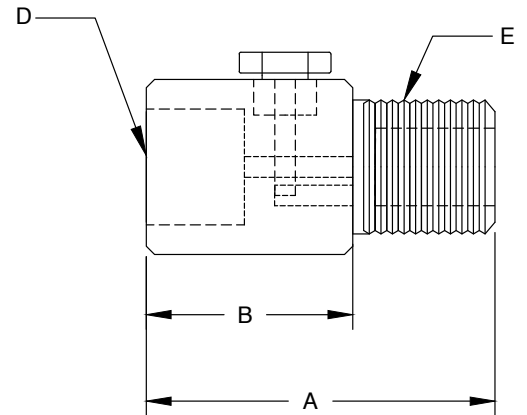
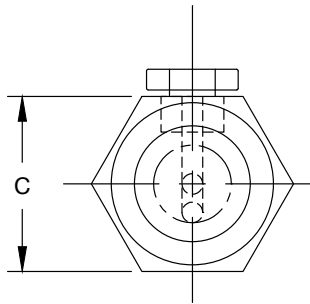


Specifications

Housing:	Brass or 304 stainless steel
Connection:	¼ in nptm x ¼ in nptf or ½ in nptm x ½ in nptf
Snubber element:	Sintered porous type 304 stainless steel
Operating pressure:	Brass: 10,000 psi (68,950 kPa) 304 stainless steel: 20,000 psi (137,900 kPa)
Explosion (pressure):	Brass: 30,000 psi (206 850 kPa) 304 stainless steel: 45 000 psi (413 700 kPa)
Operating temperature:	Brass: -58 to 536°F (-50 to 280°C) 304 stainless steel: -319 to 1,472°F (-195 to 800°C)

ADJUSTABLE SNUBBER MODEL SNAJ

Illustrated model: SNAJ



Specifications

Housing:	Brass or 316 stainless steel
Connection:	¼ in nptm x ¼ in nptf or ½ in nptm x ½ in nptf
Adjustable stem: (warning)	Do not adjust more than two turns from closed position (may cause leaking)
Temperature rating:	-22 to 392°F / -30 to 200°C
Pressure rating:	Brass and 316 stainless steel: 6,000 psi (41,368 kPa)

Dimensions as per diagram (continued)

Model	A	B	C	D	E
SN25	1.65 in (25.4 mm)	1 in (25.4 mm)	0.75 in (19 mm)	¼ in nptf	¼ in nptm
SN50	2.17 in (55.1 mm)	1.25 in (31.75 mm)	1.06 in (26.9 mm)	½ in nptf	½ in nptm
SNAJ25	2.04 in (51.8 mm)	1.47 in (37.33 mm)	0.75 in (19 mm)	¼ in nptf	¼ in nptm
SNAJ50	2.39 in (60.7 mm)	1.65 in (41.9 mm)	1.25 in (31.75 mm)	½ in nptf	½ in nptm

To order, use the code in the corresponding column

Description	Product code
1/4 in nptm x 1/4 in nptf brass (air)	SN25B-A
1/4 in nptm x 1/4 in nptf brass (oil)	SN25B-O
1/4 in nptm x 1/4 in nptf brass (water)	SN25B-W
1/4 in nptm x 1/4 in nptf SS304 (air)	SN25304-A
1/4 in nptm x 1/4 in nptf SS304 (oil)	SN25304-O
1/4 in nptm x 1/4 in nptf SS304 (water)	SN25304-W
1/2 in nptm x 1/2 in nptf brass (air)	SN50B-A
1/2 in nptm x 1/2 in nptf brass (oil)	SN50B-O
1/2 in nptm x 1/2 in nptf brass (water)	SN50B-W
1/4 in nptm x 1/4 in nptf brass adjustable	SNAJ25-B
1/4 in nptm x 1/4 in nptf SS316 adjustable	SNAJ25-316
1/2 in nptm x 1/2 in nptf brass adjustable	SNAJ50-B
1/2 in nptm x 1/2 in nptf SS316 adjustable	SNAJ50-316

RANGES AND GRADUATIONS CHART FOR PITANCO PRECISION GAUGES

Range Code	Range	Figure Intervals psi	Graduation psi	Minor Graduation psi	Figure Intervals kPa	Graduation kPa	Minor Graduation kPa
01	-30" Hg-0/-100 to 100kPa	5 Hg	2,5 Hg	0,5 Hg	20	10	2
02	30" Hg to 15psi/-100 to 100kPa	5 Hg 3	1 Hg 1	- 0,5	50	25	5
03	-30" Hg to 30psi/-100 to 200kPa	10 Hg 5	5 Hg 2,5	1 Hg 0,5	50	25	5
04	-30" Hg to 60psi/-100 to 400kPa	10 Hg 10	5 Hg 5	- 1	100	50	10
05	30" Hg to 100psi/-100 to 700kPa	30 Hg 10	10 Hg 2	5 Hg -	100	50	10
06	-30" Hg to 160psi/-100 to 1,100kPa	30 Hg 20	10 Hg 10	5 Hg 5	100 200	10 100	- 20
07	-30" Hg to 200psi/-100 to 1,400kPa	30 Hg 20	10 Hg 10	5 Hg 5	100 200	20 100	- 20
08	-30" Hg to 300psi/-100 to 2,000kPa	30 Hg 50	10 Hg 25	- 5	100 500	50 250	- 50
09	0-15psi/100kPa	3	1	0.20	20	10	2
10	0-30psi/200kPa	5	2.5	0.50	50	25	5
11	0-60psi/400kPa	10	5	1	100	50	10
12	0-100psi/700kPa	10	5	1	100	50	10
13	0-160psi/1,100kPa	20	10	2	200	100	20
14	0-200psi/1,400kPa	20	10	2	200	100	20
15	0-300psi/2,000kPa	50	25	5	500	250	50
16	0-600psi/4,000kPa	100	50	10	1,000	500	100
17	0-1,000psi/7,000kPa	100	50	10	1,000	500	100
18	0-1,500psi/10,000kPa	300	100	20	2,000	1000	200
19	0-3,000psi/20,000kPa	500	250	50	5,000	2,500	500
20	0-5,000psi/35,000kPa	500	250	50	5,000	2,500	500
21	0-10,000psi/70,000kPa	1,000	500	100	10,000	5,000	1000
22	0-2,000psi/14,000kPa	200	100	20	2,000	1000	200
23	0-400psi/2,750kPa	50	25	5	500	250	50
24	0-40psi/275kPa	5	2.5	0.5	0.5	0.25	0.05
25	0-6,000psi/40,000kPa	1,000	500	200	10,000	5,000	1000
26	0-15,000psi/100,000kPa	3,000	1,000	200	20,000	10,000	2000
28	0-4,000psi/27,500kPa	500	250	50	5,000	2,500	500
5psi	0-5psi/35kPa	1	0.5	0.10	5	1	0.5
10psi	0-10psi/70kPa	2	1	0.20	10	5	1
15WV	0-15" water vacuum	3	1	0.5			
32WV	0-32" water vacuum	4	0.80	-			
55WV	-55" water vacuum	10	5	5			
100WV	0-100" water vacuum	20	10	2			
15WO	0-15" water/oz	3	1	0.20	2	1	0.20
32WO	0-32" water/oz	5	1	0.5	2	1	0.20
55WO	0-55" water/oz	10	5	1	5	1	0.5
100WO	0-100" water/oz	20	10	2	10	5	1
200WO	0-200" water/oz	40	20	5	20	10	2

GAUGE EXECUTION CRITERION AND ALLOWED TOLERANCES (PSI)

Range (psi)	Detailed range (psi)	Grade "AA" (1/2 of 1 %)	Grade "A" (1 %)	Grade "B" (2 %)
Vacuum	30 to 22.5	±0.15	± 1/2	±1
	22.5 to 7.5	±0.15	± 1/2	±1
	7.5 to 0	±0.15	± 1/2	±1
30	0 to 7.5	±0.15	± 1/2	±1
	7.5 to 22.5	±0.15	± 1/2	±1
	22.5 to 30	±0.15	± 1/2	±1
40	0 to 10	± 1/2	±1	±2
	10 to 30	± 1/2	± 1/2	±1
	30 to 40	± 1/2	±1	±2
60	0 to 15	± 1/2	±1	±2
	15 to 45	± 1/2	± 1/2	±1
	45 to 60	± 1/2	±1	±2
100	0 to 25	± 1/2	±2	±3
	25 to 75	± 1/2	±1	±2
	75 to 100	± 1/2	±2	±3
160	0 to 40	±1	±2 1/2	±5
	40 to 120	±1	±1 1/2	±3
	120 to 160	±1	±2 1/2	±5
200	0 to 50	±1	±3	±6
	50 to 150	±1	±2	±4
	150 to 200	±1	±3	±6
400	0 to 100	±2	±6	±12
	100 to 300	±2	±4	±8
	300 to 400	±2	±6	±12
600	0 to 150	±3	±9	±18
	150 to 450	±3	±6	±12
	450 to 600	±3	±9	±18
1,000	0 to 250	±5	±15	±30
	250 to 750	±5	±10	±20
	750 to 1,000	±5	±15	±30
2,000	0 to 500	±10	±30	±60
	500 to 1,500	±10	±20	±40
	1,500 to 2,000	±10	±30	±60

NOTE: The same calculation factor can be applied for other ranges.

CONVERSION TABLE

Method of using the conversion table:

- 1) Find the unit of measure to be converted from the left column.
- 2) Multiply the appropriate pressure by the factor shown under the corresponding unit of measure from the top row to obtain the desired conversion.

Example: How to obtain 150 psi in kPa?
 150 (psi) x 6,894757 (kPa) = 1,034,22 kPa

DE	psi	kPa	bar	Kg/cm ²	mpa	mbar	in hg	cm hg	mm hg	in H ₂ O	cm H ₂ O	oz/in ²	ft H ₂ O	m H ₂ O	mm H ₂ O	atm
psi	1	6.894757	0.06894757	0.070306958	0.0069	68.95	2.03602	5.71486	51.71486	27.68088	70.308927	16	2.306723	0.70308927	703.8	0.06890046
kPa	0.1450377	1	0.01	0.01019716	0.001	10	0.2952997	0.75	7.500610	4.014742	10.19745	2.320603	0.3345618	0.1019745	102.07	0.009866924
bar	14.5038	100	1	1.019716	0.1	1000	29.53	75	750.0626	401.8596	1019.7466	232.0608	33.4833	10.197466	10,210	0.986923
Kg/cm ²	14.223343	98.066494	0.9806650	1	0.0981	980.7	28.95901	73.56	735.5588	393.711806	1000.028	227.57349	32.809312	10.00028	100,010	0.967841598
mpa	145.04	1000	10	10.2	1	10,000	295.3	750	7500	4019	10,207	2321	334.56218	101.9748043	102,074	9.869
mbar	0.0145	0.1	0.001	0.00102	0.0001	1	0.0295	0.075	0.75	0.4012	1.021	0.2321	0.0334562	0.00101972	10.21	0.000987
in hg	0.4911542	3.386389	0.03386389	0.0345316	0.00339	33.86	1	2.54	25.4	13.595484	34.53253	7.85847	1.132957	0.3453253	345.7	0.0334211
cm hg	0.1934	1.333	0.01333	0.0136	0.00133	13.33	0.394	1	10	5.358	13.61	3.10	0.4460463	0.13595509	136.1	0.01316
mm hg	0.0193368	0.1333225	0.00133323	0.00135951	0.000133	1.333	0.039370079	0.1	1	0.535255	1.359554	0.3093888	0.0446046	0.01359554	13.61	0.001315790
in H ₂ O	0.0361263	0.2490819	0.00249	0.00254219	0.00025	2.488	0.0735539	0.187	0.0735539	1	2.54	0.578020	0.08333	0.0254	25.4	0.00245825
cm H ₂ O	0.0142229	0.980634	0.0098064	0.0099997	0.0001	0.98	0.0289561	0.0735	0.7355372	0.3937	1	0.227566	0.032808	0.01	10	0.000967814
oz/in ²	0.0625	0.4309223	0.00430922	0.04394308	0.00043	4.31	0.12725125	0.323	3.23218	1.73004	4.394308	1	0.14417	0.04394308	43.986	0.004252875
ft H ₂ O	0.433515	2.988981	0.02988981	0.03037912	0.002988981	29.88981	0.882646	2.24192	22.4192	12	30.48	6.93624	1	0.3048	304.80	0.02949896
m H ₂ O	1.42229	9.8063439	0.98066494	0.099997	0.009806344	980.66494	2.89581	7.35557	73.55372	39.370079	100	22.7566	3.2808399	1	1000	0.0967814
mm H ₂ O	0.001421	0.0098	0.000098	0.0001	0.00001	0.098	0.00289	0.00735	0.0735	0.0394	.1	0.3093888	0.0032808	0.001	1	0.000097
atm	14.696	101.32535	1.0132535	1.033231	0.1013	1013	299.213	76	760	406.794	1033.2633	235.136	33.8995	10.332633	10,343	1