



**LIQUID FILLED GAUGES**

# Model 1555/1558 4" (100mm) Gauges, SST Case with Brass Internals

**DESCRIPTION**

Model 1555 and Model 1558 4" (100mm) liquid filled gauges combine low cost and high accuracy with a rugged stainless steel case and brass internals for corrosive and high vibration environments. Typical applications include: pumps, compressors, HVAC, petrochemical processing, and power generation.

The 4" design is available in stem (Model 1555) or panel mount (Model 1558) configurations with brass socket; phosphor bronze Bourdon tubes are supplied to meet specific customer requirements.

They come in 18 vacuum, compound, and gauge pressure ranges (see spec number selection chart). Glycerin is standard fill fluid, with silicone or mineral oil available on request. Dry (unfilled) gauges can also be supplied, off-the-shelf, by your local stocking AMETEK U.S. Gauge distributor.

**SPECIFICATIONS**

- SIZES:** 4" (100mm)
- RANGES:** *Vacuum* – 30"-0 Hg VAC (counterclockwise rotation with increasing vacuum)  
*Compound* – 30" Hg VAC-0, 0-15 through 0-100 psi  
*Gauge* – 0-15 psi through 0-6000 psi
- ACCURACY:** ±1.6% FS
- BOURDON TUBE:** Phosphor bronze
- WINDOW:** Polycarbonate, sealed to case with a polychloroprene gasket
- MOVEMENT:** Brass
- DIAL:** White aluminum with black markings; black psi inner scale and kPa outer scale
- POINTER:** Black aluminum
- CASE AND RING:**  
*For Stem Mounting:*  
300 Series stainless steel, solid back case with stainless steel crimped ring. BUNA-N multi-function plug with removable nipple for venting, pressure relief, and liquid fill access  
*For Panel Mount Units:*  
Incorporate 3-hole stainless steel front mounting flange (Model 1558)
- CONNECTION:** Brass, 1/4-NPT LM and CBM; 1/2-NPT LM
- RESTRICTOR:** Brass, push type .018" orifice (400 psi and above)



**Low Pressure Vent Plug**

A vent plug with pop-up pin is used for all low pressure gauges, from 30" Hg to 30 psi. For gauges in pressure ranges of 60 psi and above a standard one piece black BUNA-N plug is used.

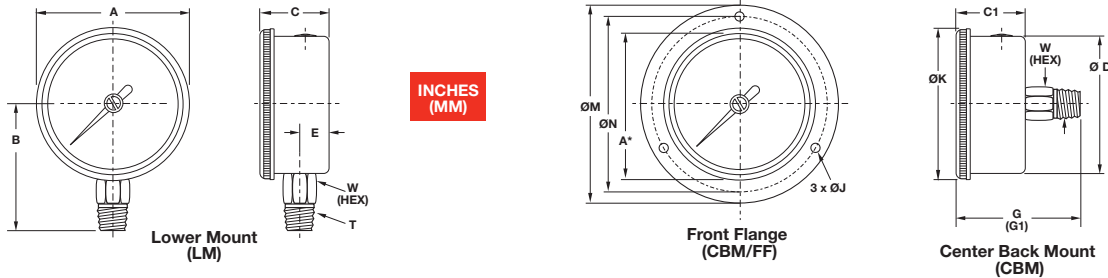


Model Selection Chart						
Model Number	Mounting	Connection	Socket	Bourdon Tube	Case	Ring
1555	Stem	1/2-NPT LM	Brass	Phosphor Bronze	Stainless Steel	SST Crimped
1555	Stem	1/4-NPT LM	Brass	Phosphor Bronze	Stainless Steel	SST Crimped
1558	Front Flanged Panel	1/4-NPT CBM	Brass	Phosphor Bronze	Stainless Steel	SST Crimped



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Models 1555/1558 Dimensions															
Dial Sizes	Unit	A	B	C	C1	D	E	G	G1	K	J	N	M	T	W
4"	inches mm	3.54 89.9	2.89 73.4	1.26 32.0	1.33 33.8	3.89 98.8	0.41 10.4	2.35 59.7	(2.67) (67.8)	4.12 104.7	0.24 6.1	4.65 118.1	5.1 129.5	0.25 6.4	0.55 14.0

Spec Number Selection Chart			
Series 1550 (4")	Stem Mounting 1/2-14 NPT Lower Mount Connection	Stem Mounting 1/4-18 NPT Lower Mount Connection	Front Flange Panel Mounting 1/4-18 NPT Center Back Mount Connection
<b>Bourdon Tube</b>	<b>Phosphor Bronze</b>	<b>Phosphor Bronze</b>	<b>Phosphor Bronze</b>
<b>Connection</b>	<b>Brass</b>	<b>Brass</b>	<b>Brass</b>
<b>Model Number</b>	<b>1555</b>	<b>1555</b>	<b>1558</b>
<b>Ranges</b>	<b>Spec No.</b>	<b>Spec No.</b>	<b>Spec No.</b>
0-30" Hg VAC	-	171967A	171985A
30"-0-15 psi	-	171968A	171986A
30"-0-30 psi	-	171969A	171987A
30"-0-60 psi	-	171970A	171988A
30"-0-100 psi	-	171971A	171989A
0-15 psi	-	171972A	171990A
0-30 psi	173183A	171973A	171991A
0-60 psi	173184A	171974A	171992A
0-100 psi	173185A	171975A	171993A
0-160 psi	173186A	171976A	171994A
0-200 psi	-	171977A	171995A
0-300 psi	-	171978A	171996A
0-600 psi	-	171979A	171997A
0-1000 psi	173187A	171980A	171998A
0-1500 psi	173188A	171981A	171999A
0-2000 psi	173189A	171982A	172000A
0-3000 psi	173190A	171983A	172001A
0-5000 psi	173191A	-	-
0-6000 psi	-	171984A	172002A

All gauges are stocked dry at our distribution center. For factory liquid filling please add the following letters after the spec number when ordering:

- **LG** - for liquid-filled with glycerin
- **LS** - for liquid-filled with silicone
- **LM** - for liquid-filled with mineral oil

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