

GENERAL PURPOSE GAUGES

Series P-500 Low Cost Utility Gauges

DESCRIPTION

U.S. Gauge Series P-500 utility gauges provide economical, reliable service in a wide variety of applications including pumps, compressors, and other equipment.

Series P-500 utility gauges come in PSI standard ranges with accuracy of $\pm 3-2-3\%$.

Gauges are available in 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2" steel cases in center-back and lower mount configurations.

Low lead offerings that meet "Reduction of Lead in Drinking Water Act" also available. See Low Lead Series P-500 products.

SPECIFICATIONS

SIZES: 1-1/2", 2", 2-1/2", 3-1/2", and 4-1/2"

RANGES: 30" Hg VAC through 0-5000 psi

ACCURACY: $\pm 3-2-3\%$ (Grade B)

BOURDON TUBE: Phosphor bronze

WINDOW: Glass except 1-1/2" is polycarbonate

MOVEMENT: Brass

DIAL: Galvalume with white background and black markings

POINTER: Aluminum, painted black (optional lazy hand or tattle pointer for 2-1/2" and 3-1/2" versions)

CASE: Black painted steel

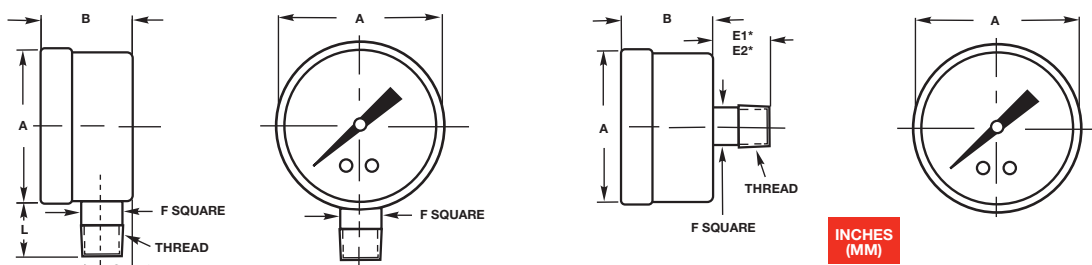
CONNECTION: Brass, center-back or lower mount
1/8-27 NPT for 1-1/2" and 2"; 1/4-18 NPT for 2" through 4-1/2"

Other sizes, ranges, and mounting configurations are available for OEM quantities. Custom dials are also available.



Model P-500

**Center-Back Mount (left)
and Lower Mount**



Dimensions – P-500

Model Number	Dial Sizes	Unit	A	B	C	E1	E2	F	L
P-500	1-1/2"	inches	1.64	.92	.34	.62	—	.44	.55
		mm	41.66	23.37	8.66	15.75	—	11.18	13.97
	2"	inches	2.16	1.15	.40	.84	.90	.55	.87
		mm	54.86	29.21	10.16	21.34	22.86	13.97	22.10
	2-1/2" LM	inches	2.73	1.15	.39	.48	.25	.82	—
		mm	69.34	29.21	9.91	12.19	6.35	20.83	—
	2-1/2" CBM	inches	2.49	1.21	1.22	—	.28	.84	—
		mm	63.25	30.73	30.99	—	7.11	21.34	—
	3-1/2" LM	inches	3.53	1.17	.40	—	.24	.83	—
		mm	89.66	29.72	10.16	—	6.10	21.08	—
	4-1/2" LM	inches	4.80	1.12	.38	—	.45	1.10	—
		mm	121.92	28.45	9.65	—	11.43	27.94	—

* Length E1 refers to 1/8 NPT connections; E2 refers to 1/4 NPT connections



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Spec Number Selection Chart

Series P-500						
Connection	Ranges	1-1/2" Spec No.	2" Spec No.	2-1/2" Spec No.	3-1/2" Spec No.	4-1/2" Spec No.
1/8-27 LM	0-15 psi	146000A	052420A	—	—	—
	0-30 psi	166327	163931	059306A	—	—
	0-60 psi	146002A	164005	058129A	—	—
	0-100 psi	166318	163271	049660A	—	—
	0-160 psi	146004A	048302A	048536A	—	—
	0-200 psi	166777	046645A	050852A	—	—
	0-300 psi	146006A	048363A	046647A	—	—
	0-600 psi	146007A	—	—	—	—
	0-1000 psi	146008A	—	—	—	—
1/8-27 CBM	0-2000 psi	146009A	—	—	—	—
	0-15 psi	146010A	—	—	—	—
	0-30 psi	166320	163930	—	—	—
	0-60 psi	166321	055155A	—	—	—
	0-100 psi	166322	046776A	—	—	—
	0-160 psi	166323	070791A	—	—	—
	0-200 psi	146015A	102673A	—	—	—
	0-300 psi	146016A	051805A	—	—	—
	0-600 psi	146017A	—	—	—	—
1/4-18 LM	0-1000 psi	146018A	—	—	—	—
	0-2000 psi	146019A	—	—	—	—
	0-15 psi	—	047615A	047102A	5502A	5546A
	0-30 psi	—	163149	163278	168536	5804A
	0-60 psi	—	163269	163279	168537	5551A
	0-100 psi	—	162988	163280	168538	5554A
	0-160 psi	—	163270	163281	168539	5559A
	0-200 psi	—	163147	163282	168540	5561A
	0-300 psi	—	163148	163283	168541	5563A
	0-400 psi	—	047492A	049611A	5515A	12265A
	0-600 psi	—	047493A	046648A	5516A	5337A
	0-1000 psi	—	047494A	047496A	5519A	12266A
	0-2000 psi	—	—	171398A	—	—
1/4-18 CBM	0-3000 psi	—	—	171400A	—	—
	0-5000 psi	—	—	143072A	—	—
	0-15 psi	—	046987A	052827A	—	—
	0-30 psi	—	163949	165213	—	—
	0-60 psi	—	163272	165214	—	—
	0-100 psi	—	163273	163284	—	—
	0-160 psi	—	163274	163285	—	—
	0-200 psi	—	163275	163286	—	—
	0-300 psi	—	163276	163287	—	—
	0-600 psi	—	046991A	050851A	—	—
	0-1000 psi	—	—	050870A	—	—
	0-2000 psi	—	—	171399A	—	—
	0-3000 psi	—	—	171401A	—	—
1/8-27 LM	30"-0-15 psi	—	66662A	—	—	—
	30"-0-60 psi	—	47925A	—	—	—
	30"-0-150 psi	—	49609A	—	—	—
1/4-18 LM	30"-0-15 psi	—	47000A	47001A	5493A	63754A
	30"-0-30 psi	—	167218	47105A	5495A	5549A
	30"-0-60 psi	—	57548A	46646A	5496A	12290A
	30"-0-150 psi	—	50517A	47411A	5499A	12292A
	30"-0-300 psi	—	—	58156A	15936A	—
1/8-27 LM	30"-0	146020A	47225A	—	—	—
1/8-27 CBM	30"-0	146021A	—	—	—	—
1/4-18 LM	30"-0	—	163712	171222A	171223A	5333A