

ASME B40.1 GAUGE ACCURACY

Accuracy is defined as the conformity of an indication to its true value. Accuracy is a percentage of the full range. For example, a gauge that has a scale of 0-300 psi with an accuracy of $\pm 1\%$ would mean that the gauge is accurate to within \pm (plus or minus) 3 psi.

Accuracy Grade – ASME B40.1 (American Society of Mechanical Engineers)

ACCURACY GRADE	LOWER 25% OF SCALE	MIDDLE 50% OF SCALE	UPPER 25% OF SCALE
2A	0.50%	0.50%	0.50%
1A	1%	1%	1%
B	3%	2%	3%
D	5%	5%	5%