



Aerospace Testing Alliance

*A Joint Venture of Jacobs, CSC, and GP*

## QUALITY ASSURANCE REQUIREMENTS

Analog pressure gauges shall be of one-piece, solid front construction, using an optically clear shatterproof window made of high-impact, non-cracking plastic, heat-treated glass, or laminated glass in accordance with ASME B40.100. Pressure relief requirements are detailed in number 1 through 4 below:

1. Analog pressure gauges with indicating ranges of 30 psig or less, having a gauge face diameter of 2 ½ inches or less and polycarbonate (plastic) window may be of open front, solid case construction without pressure relief of the case.
2. Analog pressure gauges with indicating ranges of 0 to 160 psig shall have an optically clear shatter-resistant window made of high-impact, non-cracking plastic, heat-treated glass, or laminated glass and case design with pressure relief means consisting of pressure relief blow-out plug or a case opening sufficiently sized to discharge the maximum system pressure to the back or side and prevent rupture of the case.
3. Analog pressure gauges with indicating ranges greater than 160 psig shall have a solid-front case design, an optically clear shatter-resistant window made of high-impact, non-cracking plastic, heat-treated glass, or laminated glass, and a pressure-relieving back panel or pressure blow out plug(s) oriented to the back of the gauge, sufficiently sized to discharge the maximum system pressure and prevent rupture of the case.
4. Differential gauges must use the maximum allowable working pressure (MAWP) to determine the pressure relief requirements. MAWP greater than 160 must meet Number 3 above. MAWP less than or equal to 160 must meet Number 2 above.

In any circumstance where the specification in the Request for Quotation or Purchase Order is in conflict with the above Quality Note requirement, the Quality Note requirement shall take precedence.

## QUALITY NOTE 40