QUALITY ASSURANCE REQUIREMENTS

Analog pressure gauges shall be constructed in accordance with ASME B40.100.

Pressure relief requirements are detailed in numbers 1 through 4 below:

1. Analog pressure gauges with maximum indicating pressure of 30 psig or less, having a gauge face diameter of 2-1/2 inches or less may have a polycarbonate (plastic) window and open front, solid case construction without pressure relief of the case.

2. Analog pressure gauges with maximum indicating pressure greater than 30 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 a case design with pressure relief means consisting of pressure relief blow-out plug or a case opening sufficiently sized to prevent rupture of the case.

3. Analog pressure gauges with maximum indicating pressure 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) sufficiently sized to prevent rupture of the case.

4. Differential gauges must use the maximum allowable working pressure (MAWP) to determine the pressure relief requirements. MAWP of 160 psig and below must meet the requirements of Number 2 above. MAWP above 160 psig must meet the requirements of Number 3 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

Revised
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