



5 Key Warning Signs to avoid danger to your employees and valuable equipment, harmful fugitive emissions, and costly/timely repairs:

PROBLEM: Overpressure

in.Hg

pin, indicating the installed gauge has an incorrect pressure range for

INDICATOR:

Pointer is pegged against the stop

the application. Thus the gauge is incapable of reflecting the actual system pressure. Complete gauge failure is likely if the Bourdon tube, that moves the connected pointer to display a pressure reading on the gauge dial, ruptures. **SOLUTION:** Choose a gauge rated up to twice the expected system operating pressure to yield a larger window of measurable pressure. You could also employ a relief valve to provide

overpressure protection in the system preceding the gauge.

PROBLEM: Pressure Spikes INDICATOR: Pointer is bent, broken, or nicked, indicating a sudden pressure jump

PROBLEM: Mechanical Vibration

SOLUTION:



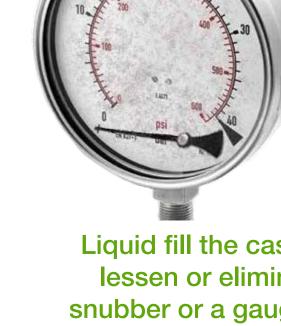
likely due to a pump cycling on/

off or a valve being closed/open

upstream. Again, gauge failure is

likely if the Bourdon tube ruptures.

SOLUTION: Check your overall system design to eliminate unpredictable pressure spikes that strain all components, including gauges. Also consider selecting a gauge with a larger pressure range.



INDICATOR:

Pointer, window, back plate, or

window ring are missing. Black

dust and/or scrapes are also

evident on dial, indicating a

loose pointer.

Liquid fill the case to dampen movement and greatly lessen or eliminate avoidable system vibration. A snubber or a gauge with a diaphragm seal is your best bet in extreme conditions. PROBLEM: Pulsation

INDICATOR:

Pointer is fluttering because

frequent, rapid cycling of

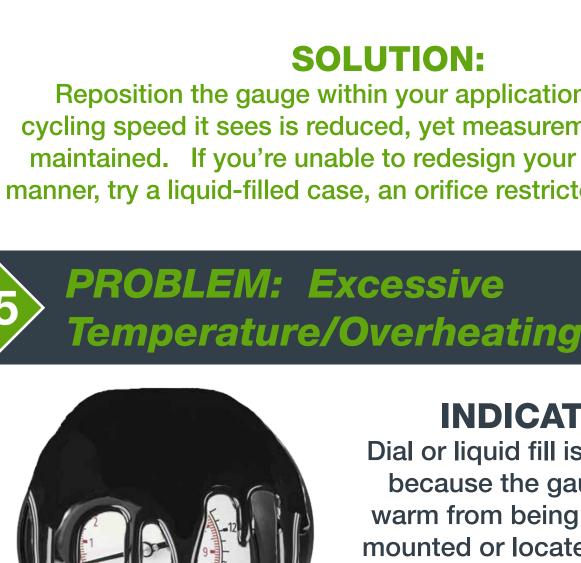
fluid through your system

has caused major wear

on the gauge's movement

gauge failure.

components. A Bourdon in.Hg tube rupture is likely, resulting in total



Reposition the gauge within your application so that the cycling speed it sees is reduced, yet measurement integrity is maintained. If you're unable to redesign your system in this manner, try a liquid-filled case, an orifice restrictor, or a snubber. **INDICATOR:**

Dial or liquid fill is discolored

because the gauge is too

warm from being incorrectly

mounted or located too close

to extremely hot system liquids

or gas. Measurement accuracy

is likely impacted due to strain

on the gauge components.

SOLUTION:

Make certain you select a gauge to accommodate your

complete system temperature range. For your extreme

applications, a gauge with a diaphragm seal (perhaps with a

cooling element) might be necessary.



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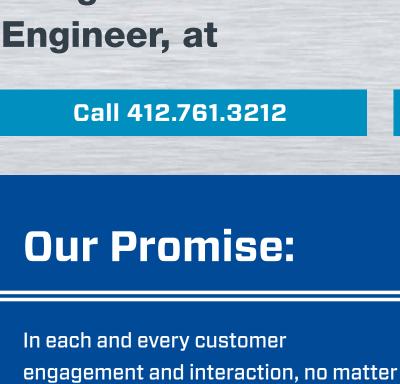
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