PRESSURE GAUGES AND DIAPHRAGM SEALS FOR HYDROGEN SERVICE

On hydrogen service where the pressure is 1000 psi and lower, the following Bourdon tube systems are recommended.

1. Phosphor bronze Bourdon tube and brass socket.
2. Monel Bourdon tube and socket.
3. Stainless steel Bourdon tube and socket.

For hydrogen pressure applications over 1000 psi, a system having 316 stainless steel Bourdon tube and socket must be supplied.

Diaphragm Seals on all hydrogen service, regardless of pressure, should have a 316 stainless steel diaphragm and bottom housing.

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