

GAUGE STORAGE AND SHELF LIFE

The shelf life of a pressure gauge will depend on the materials of construction, storage conditions and intended use. Many gauges contain elastomers intended to seal the movement from weather and dirt or to retain a liquid fill. During long-term storage, these elastomers may harden and reduce their sealing ability.

Storage above 150°F and 95% relative humidity should be avoided. A minimum storage temperature of -40°F/C is recommended, with the humidity high enough to avoid condensation.

Ashcroft[®] pressure gauges with stainless steel, Monel[®] or brass/bronze wetted surfaces can be expected to have shelf life comfortably exceeding ten years, provided they are stored in an ozone free, dry area at a temperature less than 120°F. Before use, the accuracy and function of gauges stored for long periods under adverse conditions should be verified per ASME B40.100. Gauges showing signs of mishandling should also be checked.