

GAUGES SUITABLE FOR AMMONIA APPLICATIONS

Ammonia is a common refrigerant used in many commercial installations. It is also used as a fertilizer in the form of a gas or water solution. When using a gauge to measure pressure in an ammonia application, it is critical that the wetted parts of the gauge are compatible with the process.

PIP #: ASH-PI-52

Applicable to:
Pressure
Gauges

Proper selection of wetted parts is especially important since ammonia is poisonous! OSHA/NIOSH lists 500ppm as immediately dangerous to life and health. The only acceptable wetted parts material for gauges used in ammonia applications are stainless steel or steel.

A gauge with bronze/brass wetted parts is not suitable for ammonia applications since ammonia may cause the bronze/brass wetted parts to stress-crack and cause a gauge failure.

Ashcroft offers a variety of gauges suitable for ammonia applications. When ordering a gauge for ammonia service, the wetted parts of choice are 316 SS.