



Magnetic Liquid-Level Gauges For Anhydrous Ammonia Service

General Information & Features

Junior Models

These Junior gauges are supplied as standard with a #5323S01848 direct-reading percentage dial, a #0015-00855 Neoprene gasket and four #0040-00414 zinc-plated steel head bolts ($\frac{1}{4}$ " - 28 x $\frac{7}{8}$ " long) for attachment to a flange with a 2 $\frac{1}{2}$ " [51,5] bolt circle.

A6281 — For top mounting, includes standard magnet to drive direct-reading dials.

A6284 — For side, end or angle mounting, otherwise the same as A6281.

Senior Models

These Senior gauges are supplied as standard with a #0015-00836 Neoprene gasket and four #0040-00415 zinc-plated steel head bolts ($\frac{5}{16}$ " - 24 x $\frac{7}{8}$ ") for attachment to a flange with a 2 $\frac{1}{2}$ " [63,5] bolt circle.

A6260 —For top mounting and side-reading dial.

A6280 —For top mounting.

A6283 —For side, end or angle mounting otherwise same as the A6280.

Model A6260 Senior gauges are equipped with #5058S00617 side-reading percentage dials. Models A6280 and A6283 Senior gauges are equipped with #5002S00002 direct-reading percentage dials.



See reverse side for dimensional data, materials of construction, performance, and advice on how to order.

The Measure of Excellence

General Specifications*

Temperature Range

Standard range is -40°F to 176°F, -40°C to 80°C with optional stainless steel mounting bolts which maybe required for temperatures below -20°F.

Accuracy

Accuracy depends upon proper gauge sizing and is typically ±5% of dial indication. Accuracy may be less due to variations in liquid temperature. Accuracy may be less for some tank shapes and sizes. Accuracy may be less near full and empty. Accuracy may be less if tank is not level. This gauge is not to be used for filling. All accuracy estimates are expressed as a percent of full scale.

Shock & Vibration

Suitable for mobile service applications

Maximum Pressure

375 psi [25,8 Bar]

UL Listing

UL listed for NH₃ service

When ordering, specify:

1. Gauge head size, Junior or Senior.
2. Tank diameter as shown on nameplate.
3. Mounting location (top, side, end or angle).
4. If gauge is angle mounted, state degree of angle above or below the horizontal centerline.
5. If gauge is end mounted, state the shape of the tank head, hemispherical or semi-ellipsoidal.
6. The "H" dimension (distance in inches from the surface of the tank to the gasket surface on the riser).

To order replacement gauge, simply furnish the information stamped the side of the gauge head, as shown in the example.

Note: For installation instructions see MS-501/502 (mounting standard).

Materials of Construction*

Head & Gear Housing

Aluminum die casting.

Centershaft Bearings, Gear, Pinion, Cross Stud, Bearing, Float Bulb & Dial Screws

Stainless steel.

Support, Centershaft & Float Rod

Tempered aluminum.

Counterweight

Lead.

Magnet

Alnico.

Gasket

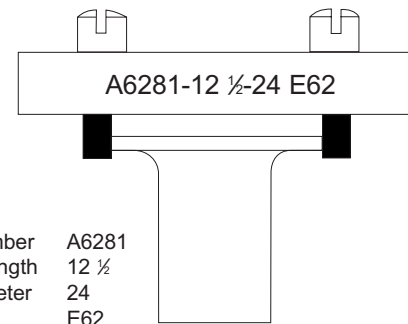
Neoprene.

Mounting Bolts

Zinc-plated steel. (Stainless steel optional.)

Direct Reading Dials

Hermetically sealed polycarbonate.

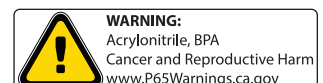


Note: Gauge head may also be stamped with model and unique suffix number.



CAUTION: For applications where NH₃ may include small amounts of water or chemical additives, see model A6480 with improved corrosion resistance.

* Materials and specifications are subject to change without notice.
Pressure ratings subject to change due to temperature and other environmental considerations.



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