

ENGINEERED SOLUTIONS

Issue NO. 2

Application - Ammonia refrigeration installations require an industrial pressure gauge designed for the harsh conditions presented by the applications environment.

Solution - De-Mar & Associates has worked with major pressure gauge manufacturers to engineer a pressure gauge built specifically for the extreme temperature environments and physical stress of these locations. These pressure gauges have been designed to set a new industry standard for quality.

Report - The 2.5" and 4" dial all stainless steel ammonia gauges are stock at our Overland Park, KS facility. These pressure gauges are stainless steel case construction, with stainless steel internals, and 316 stainless steel bourdon tube and connection. The case and connection are welded preventing possible leaking at the bottom of the case. The case offers a thin style streamlined design that is light weight and still meets the rugged requirements of the ammonia refrigeration markets. All units are constructed with a built in snubber for an extra dampening effect. Additionally, these units are also Silicone filled to help dampen the effects of pulsation and vibration, while also perpetually lubricating the movement to extend the life of the gauge. The Silicone fill is designed for harsh low and high temperature conditions and will not yellow over time like Glycerine. Recommended operating range for the Silicone fill is -50 °F to 300 °F! Silicone fill is food grade. Accuracy for the 2 ½" dial units is 1 ½% full scale. Accuracy for the 4" dial units is 1% full scale. Both dial faces are stocked in the standard ammonia pressure ranges of Range: 30" Hg to 150 PSI with -100 to 80 °F and Range: 30" Hg to 300 PSI with -40 to 120 °F . This design is favored by the: industrial, wholesale, OEM, and refrigeration markets.

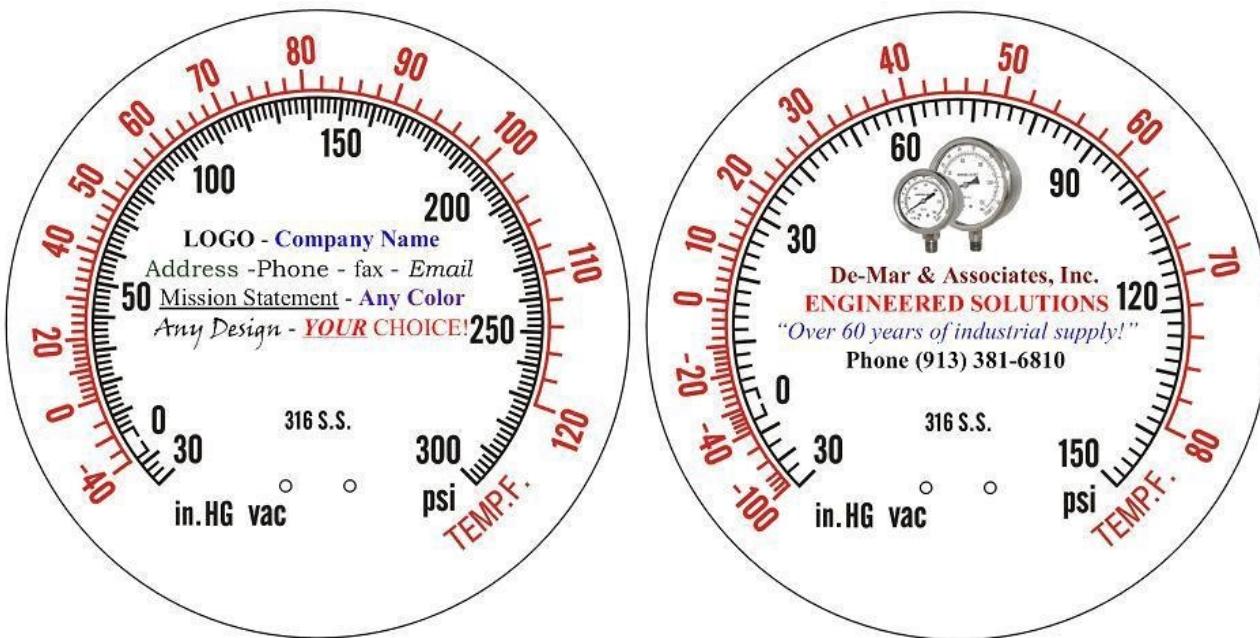


Welded Design



2.5" and 4" Dial Ammonia Gauge

We also provide the service of private labeling the ammonia pressure gauges! The example provided below shows our ability to put your company name and information on the pressure gauge dial face!



De-Mar & Associates is not limited to supplying the 2 ½" and 4" dial. We also stock and supply panel mount and back flange ammonia pressure gauges in large size dial faces. These units also feature stainless steel internals and 316 stainless steel bourdon tube and connection for ammonia service. Both dial faces are stocked in the standard ammonia pressure ranges of Range: 30" Hg to 150 PSI with -100 to 80 °F and Range: 30" Hg to 300 PSI with -40 to 120 °F .



4 ½" Dial Panel Mount



6" Dial Panel Mount



8 ½" Dial Back Flange

All ammonia pressure gauges and accessories are stock in our Overland Park, KS location! Additional information for these products and applications can also be found on our website - www.ammoniapressuregauge.com

Does your application require an engineered solution? Call today: 913-381-6810