

ISO 9001:2008 CERTIFIED

## READ COMPLETELY BEFORE ATTEMPTING GAUGE REMOVAL OR INSTALLATION\*

THESE INSTRUCTIONS ARE PREPARED TO ASSIST TRADESMEN AND OTHERS QUALIFIED TO SERVICE LIQUID STORAGE TANK EQUIPMENT. CONSUMERS ARE NOT QUALIFIED TO PERFORM THE INSTALLATION DESCRIBED BELOW. IF YOU HAVE ANY QUESTIONS CONCERNING INSTALLATION OR OPERATION OF THE GAUGE OR GASKET, CONTACT ROCHESTER GAUGES, INC. OR ONE OF OUR AUTHORIZED DISTRIBUTORS FOR ASSISTANCE. CHECK SIDE OF GAUGE HEAD FOR MODEL NUMBER AND ASK FOR GAUGE INSTALLATION INSTRUCTIONS FOR YOUR MODEL.



**WARNING:** Determine and install the appropriate replacement gauge based on system requirements. The gasket type supplied may not be suitable for all applications and for those applications other gasket materials may be available. The information contained herein is intended for guideline use only and the suitability of any part for a particular application must be determined by the user prior to installation. Improper gauge or gasket selection or application may result in seal failure and subsequent release of tank contents.

**NOTE:** Check color stripe on O.D. of gasket for material.

Senior = 2.06" [52,3] nominal diameter — Junior = 1.56" [39,6] nominal diameter

**BLUE STRIPE = NEOPRENE.** Order Senior part # 0015-00836 or Junior part # 0015-00855 recommended for anhydrous ammonia and specific refrigerant applications.

**CAUTION: Adjustable gauges are NOT intended for ammonia service.**

**RED STRIPE = BUNA-N.** Order Senior part # 0015-00004 or Junior part # 0015-00007, recommended for specific LP Gas & petroleum applications.

**GREEN OR BROWN STRIPE = VITON.** Order Senior part # 0015-00415 or Junior part # 0015-00039.

**WHITE GASKET = TEFLON.** Order Senior part # 0015-00401 or Junior part # 0015-00405.

**SPIRAL WOUND TEFLON AND STAINLESS STEEL.** Order Senior part # 0015-00462.

NOTE: Use only with stainless steel gauge head and special bolts.

Torque special  $\frac{5}{16}$  - 24 cap screws to: 135 In. Lb., [15 Nm]

**YELLOW STRIPE = NEOPRENE.** Narrow, Senior part # 0015-01008 for special refrigerant service applications.

**WHITE STRIPE = BUNA N.** Narrow, Senior part # 0015-01010 for special refrigerant service applications.

**WARNING:** Even if gauge registers empty, tank may contain high pressure and flammable gas. Do not remove gauge or other pressure containing fittings unless precautions against release of tank contents have been taken. A hazard of fire or explosion may exist if proper methods are not used when removing or installing the gauge or gasket. Replace gasket if gauge is removed. Do not reuse gasket. When reinstalling gauge head align head for proper orientation of the float inside tank. Torque head or mounting bolts evenly in several steps based on mounting bolt size, gasket material & gauge head size & style.

Bolted Gauges		
Gauge Thread	Dry Thread (in. lbs.)	Procedure
Senior $\frac{3}{8}$ " 24 bolt	100 [11 Nm]	MS-501/502
Junior $\frac{1}{4}$ " 28 bolt	35 [4 Nm]	

Threaded Gauges		
Gauge Thread	Dry Thread (ft. lbs.)	Procedure
$\frac{3}{4}$ " NPT	50-100 [68-136 Nm]	DS-996
1" NPT	75-150 [102-200 Nm]	DS-629
1 $\frac{1}{2}$ " NPT	100-200 [136-270 Nm]	DS-322

Also See: MS-516

**CAUTION:** Over tightening of the gauge head mounting bolts may cause damage to gauge head or gasket.

**CAUTION: Improper gauge selection or application may result in inaccurate gauge readings. Release of tank contents as well as damage to equipment and safety hazard may result if tank is overfilled. Fuel exhaustion may occur if tank contents are less than indicated. This gauge is not a substitute for a fixed liquid level gauge or weight measurement device that may be required for filling.**

**WARNING: IMPROPER APPLICATION, INSTALLATION, OR USE OF THIS GAUGE MAY CAUSE SERIOUS INJURY OR PROPERTY DAMAGE.**

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

# Replacing Gauges