



## **7300 Series Gauge Installation Instructions**

### **READ COMPLETELY BEFORE ATTEMPTING INSTALLATION\***

THESE INSTRUCTIONS ARE APPLICABLE WHEN 7300 SERIES ALUMINUM, ZINC OR BRASS HEAD FLOAT GAUGES ARE INSTALLED IN FORGED STEEL, THREADED WELD ADAPTERS. THESE FLOAT GAUGES ARE INTENDED FOR USE WITH 3/4"-14 NPTF ADAPTERS OR 3/4"-14 NPT ADAPTERS.

HEADS FOR 7300 SERIES FLOAT GAUGES ARE SUPPLIED WITH 3/4" NPTF THREADS. THE PITCH DIAMETER TOLERANCE IS 1/2" TURN LARGE TO 1/2 TURN SMALL.

THREADED GAUGE HEADS WILL NORMALLY BE COATED WITH EVERSEAL THREAD COMPOUND WHICH IS SUITABLE FOR LP-GAS SERVICE APPLICATIONS.

- 1. INSPECT ADAPTER THREAD PITCH DIAMETER WITH 3/4"-14 NPTF L1 BASIC NOTCH PLUG GAGE OR 3/4"-14 NPT BASIC NOTCH PLUG GAGE. TYPICAL COMMERCIAL TOLERANCE IS "FLUSH WITH NOTCH TO ONE TURN LARGE OR ONE TURN SMALL".**
- 2. IF ADAPTER THREADS ARE CORRECT, THEY MAY BE WELDED INTO THE TANK. HOWEVER, STEPS SHOULD BE TAKEN TO MINIMIZE THREAD DISTORTION DUE TO HEAT AND TO SHIELD THREADS FROM WELD SPATTER.**
- 3. AFTER WELDING, REINSPECT ADAPTERS AS DESCRIBED IN STEP ONE. IF THREADS ARE CORRECT AFTER WELDING, PROCEED TO STEP SIX. IF THREADS ARE NO LONGER CORRECT, GO TO STEP FOUR.**
- 4. UNDERSIZE, DISTORTED OR WELD SPATTERED ADAPTER THREADS MUST BE RE-TAPPED WITH 3/4"-14 NPTF OR 3/4"-14 NPT TAP USING THREAD CUTTING OIL. BE CAREFUL NOT TO TAP THREADS TOO DEEP. AFTER TAPPING, CLEAN ADAPTER THREADS OF METAL CHIPS AND EXCESS OIL.**
- 5. REINSPECT ADAPTER THREADS AS DESCRIBED IN STEP ONE. IF THREADS ARE CORRECT, GO TO STEP SIX. IF THREADS ARE STILL UNDERSIZE, GO BACK TO STEP FOUR.**
- 6. IF NOT ALREADY COATED WITH EVERSEAL, APPLY THREAD COMPOUND TO THREADS OF FLOAT GAUGE HEAD. (IT IS PERMISSIBLE TO APPLY SUITABLE LUBRICATING OIL OVER EVERSEAL.)**
- 7. TO PREVENT OR REDUCE GALVANIC CORROSION, EXTERIOR OF THREADED WELD ADAPTER SHOULD BE PAINTED OR POWDER COATED AFTER WELDING INTO TANK.**
- 8. INSTALL FLOAT GAUGE THROUGH THREADED WELD ADAPTER. SCREW IN AT LOW ROTATIONAL SPEED TO PREVENT FLOAT ARM DAMAGE.**
- 9. INSTALL HEAD TO ENGAGE BETWEEN 5 AND 6 THREADS. THEN ROTATE HEAD ENOUGH TO ALIGN DIAL WITH TANK. ENGAGE BETWEEN FIVE AND SEVEN THREADS WITH BETWEEN ONE AND FOUR THREADS VISIBLE AFTER INSTALLATION, MINIMUM TORQUE 70 POUND-FEET.**

**SEE MS-516 FOR ADDITIONAL INFORMATION**

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

