



DRESSER™ METERS & INSTRUMENTS

DRESSER METER INSTALLATION CHECKLIST for Series B Line Mounted Meters

1. Meter may be installed in a horizontal or vertical position. Vertical (top inlet) is preferred.
2. When applicable, a restricting orifice should be installed 2 to 4 pipe diameters downstream of the meter to protect the meter in an over speed condition.
3. Remove liquids and foreign matter (pipe sealant, tape, weld slag, etc.) from the gas stream before it can enter the meter. A Y-type 100 mesh strainer provides adequate protection.
4. Before installation, and after removing the protective caps from the meter inlet and outlet, check for free rotation of the impellers. (See # 8)
5. Connect meter inlet to gas supply side of the line, ensuring the gas flow will be the same direction as the arrow on the meter nameplate.
6. Do not put meter under strain at the inlet and discharge flange connections. Support and align piping.
7. Level the meter to within 1/16" per foot (5mm/m). During installation tighten bolts or fittings evenly. Do not over torque. (Maximum torque on lubricated flange screws is 55 ft. lbs.)

8. After meter is installed, remove the socket head plug in the gear end cover and check for free rotation of the impellers. **CAUTION: Meter must not be under pressure for this check. Replace plug after check.**
9. There are two (2) oil reservoirs in the Series 3 meter body. Slowly add the proper type and grade of oil to the center of the oil level gauges. **DO NOT OVERFILL.**
10. Slowly open the valve to start flow through the meter at no more than 5 psig/sec or 35kPa/second max. **OVERSPEED CAN DAMAGE THE METER.**
11. Do not operate the meter above the pressure rating indicated on the meter nameplate.
12. Check oil per company procedures. Maintain level within 1/16" (1.5mm) of the center of the oil level gauges. When applicable, verify that the instrument drive rate corresponds with the meter drive rate.
13. If it becomes necessary to remove the meter from piping, drain lubricating oil from the two oil reservoirs to prevent oil from entering measuring chamber.
14. For further details and instructions, refer to Dresser Series B3 IOM Manual. Please contact factory to request a copy.

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