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GENERAL INSTALLATION INSTRUCTIONS ORIFICE PLATES AND FLANGES

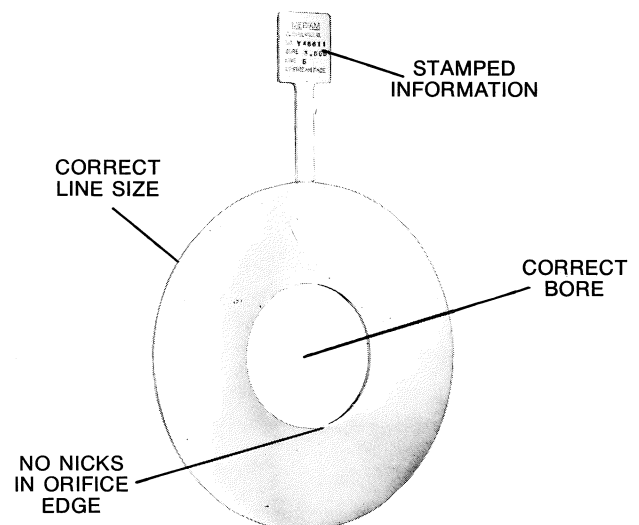
MERIAM INSTRUMENT Division of The Scott & Fetzer Company

The conditions under which orifice plates are installed may have as much effect on the accuracy of the flow measurement as the characteristics of the elements themselves. Therefore, the following instructions should be carefully read and followed:

1. INSPECTION

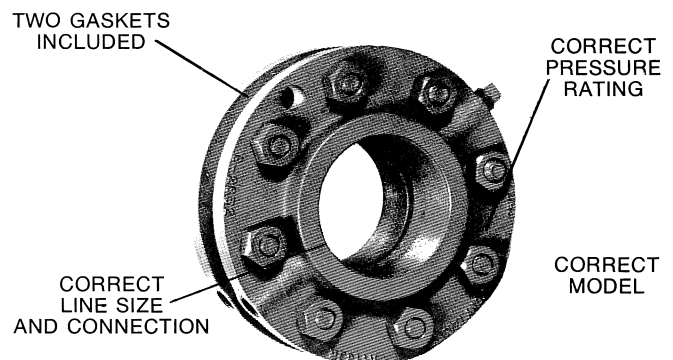
Before installing, inspect the *orifice plate* to verify:

- A. Correct line size (plate OD)
- B. Correct bore as ordered.
- C. Orifice edge free of nicks.
- D. Correct stamped information
- E. Serial numbers of meter and orifice agree when furnished together.



INSPECT ORIFICE FLANGES FOR:

- A. Correct line size and connection.
- B. Correct pressure rating.
- C. Correct material.
- D. Two gaskets included.



2. FLUID CHARACTERISTICS AND LOCATING THE ORIFICE IN THE LINE

The orifice plate should be located where the fluid is cleanest. In pipes where scale, sediment, tarry substance, or other forms of matter will accumulate on the inside of the pipe at the point of orifice installation, make arrangements for periodic cleaning and drawing of these accumulations. Collection of such substances in the pipe changes the effective area of the pipe and, therefore, causes inaccuracy in the metering.

Locate the orifice upstream from any regulating or control valve, preceding the valve by at least six pipe diameters.