

PROCEDURES

LEAK TESTING COMPONENTS

2.0 PURPOSE

All fittings for PE and Steel are to be tested as part of the final pressure test for the installation when possible. Fittings that cannot be included in the final pressure test shall be installed in accordance with established procedures and leak tested in accordance with **H-3**.

2.1 GENERAL

All natural gas-carrying polyethylene and steel components are in one of the following categories:

1. The component is not delivered from the supplier certified for an MAOP. Until the component is tested by the operator, MAOP is not established. It may or may not have a designated design pressure. These components must be pressure stand up tested after installation as part of a completed assembly or as a single component prior to installation.
2. The component is certified by the manufacturer for a MAOP. These components meet the requirement by complying with one of the following:
 - (a) Testing is conducted at the factory according to established requirements.
 - (b) A prototype of the component has been tested by the manufacturer and sufficient quality control procedures have been implemented to ensure that each unit is manufactured to the same specifications and quality as the prototype

2.2 POLYETHYLENE COMPONENTS

The following components shall be pressure stand up tested:

1. Pipe.
2. Anodeless risers.

The following components may be installed as a single component without a pressure stand up test. Leak test tie-ins in accordance with **Section H-3**.

1. Mechanical fittings, including couplings, tees, ells, reducers, caps and repair couplings.
2. Tapping tees, including High-Volume and Service tees.
3. Electrofusion fittings.
4. Valves not tested as part of the initial installation.
5. Butt fusion fittings, including ells, tees, reducers and caps.

2.3 STEEL COMPONENTS

PROCEDURES

LEAK TESTING COMPONENTS

The following components must be pressure stand up tested:

1. Pipe, tubing and pipe nipples.
2. Flanges.

The following components may be installed as single components without a pressure test as long as the Manufacturers test/MAOP record can be verified. Leak test tie-ins (Soap Test) in accordance with **Section H-3.3**.

1. Valves not tested as part of the initial installation.
2. Filters and strainers.
3. Flange gaskets.
4. Screwed fittings, including ells, tees, caps, reducers and unions.
5. Regulators, relief valves and automatic shutoff devices.
6. Meters.
7. Bolt-on repair fittings.
8. Pressure and differential pressure transducers.
9. Tubing fittings.