

PROCEDURES

SOAP TEST

1.0 PURPOSE

It is the purpose of this section to provide standard procedure for performing a soap test to determine if gas leakage is present.

1.1 SCOPE

This section covers the following:

- A. Liquid leak detector
- B. Soap test procedure
- C. Applications

1.2 LIQUID LEAK DETECTOR

- A. Liquid leak detector specifically designed for natural gas leakage investigation is commercially available.
- B. In the absence of LLD, a mixture of liquid soap (dish soap or other) may be mixed with water for use as the LLD. (12 to 1 mixture is sufficient).

1.3 PROCEDURE

- A. Apply sufficient amount of liquid leak detector (soap).
- B. Ensure complete coverage all around the fitting or component be checked.
- C. Cupping you hand under and behind the component may help to ensure compete coverage.
- D. Visually inspect the component for the presence of bubbles indicating leakage.
- E. The use of a small mirror may help to see under and behind the component being checked.

1.4 APPLICATIONS

PROCEDURES

SOAP TEST

- A. MSA
- B. Visible customer owned facilities (i.e. pipe, appliance shut off, appliance connector and appliance burner tubing).
- C. Tie-in connections.
- D. Fittings under pressure.
- E. Welds under pressure.
- F. Regulator vents.
- G. Squeeze points.