TEST CODE SHEET

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1. TYPE OF TEST(S)

Vacuum test - totally failed condition.

2. WATER REGULATIONS REQUIREMENTS FOR FITTINGS

Schedule 2

15-(1) …. every water system shall contain an adequate device or devices for preventing backflow of fluid from any appliance, fitting or process from occurring.

3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY WATER REGULATIONS REQUIREMENTS

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of regulations are listed in the directory.

4. TEST PROCEDURE

Note Unless otherwise stated the temperature of the test fluid shall be 20 ± 10°C.

4.1 Tests applicable to the following:-

NON-VERIFIABLE DISCONNECTOR CA
DN6 to DN50.
Devices for the prevention of contamination by backflow.

(A) NON-VERIFIABLE DISCONNECTOR CA (Derived from KIWA BRL K648/01/1990. Clause 4.4)
DN6 to DN50.

TEST METHOD

APPARATUS The following apparatus is required.

Vacuum rig, vacuum gauge, water reservoir, scale rule, transparent tube.

PROCEDURE The procedure shall be as follows:

(1) Remove both check valves from the assembly.

(2) Mount the device in the test system in its normal working position. Connect to a vacuum pump by means of pipe having the same nominal size as the prevention device, and having a length of 8 metres..

(3) Connect one end of a transparent hose to the valve outlet and the other end into a water reservoir placed lower than the prevention device.

(4) Create and maintain a pressure of ≥ 0.5 bar at the vacuum pump.

(5) Within 1 second, open the inlet valve and determine the maximum backflow pressure occurring at the outlet side of the prevention device. This is done by measuring the rise in height of the water in the transparent hose.

5. ACCEPTANCE CRITERIA

The water in the transparent hose shall not rise more than 180mm.