TEST CODE SHEET

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1. TYPE OF TEST(S)

Opening and closing of the relief valve

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 for Class A.
Class B valves.
Devices for the prevention of contamination by backflow.

(A) NON-VERIFIABLE DISCONNECTOR CA (Derived from prEN W1097 C25: 1999. Clause 9.6.3)
DN6 to DN50 for Class A.
Class B valves.

TEST METHOD

APPARATUS The following apparatus is required.

A supply of water to achieve the test pressures.

Pressure gauges.

PROCEDURE The procedure shall be as follows:

(1) Remove the downstream check valve.

(2) Mount the device in the test system in its normal working position.

(3) *Class A devices*. Apply a static upstream water pressure of 10 ± 0.05 bar.
Class B devices. Apply a static upstream water pressure of 4.5 ± 0.05 bar.

(4) Reduce the upstream pressure until water discharges from the relief valve and note the upstream and downstream pressures at this point.

(5) Raise the upstream pressure to the level at the start of the test.

(6) Repeat tests (3), (4) & (5) with pressures.

Class A devices. 6, 4, 2 & 1 bar.
Class B devices. 3, 2, & 1 bar.

5. ACCEPTANCE CRITERIA

The relief valve shall start to discharge before the downstream pressure is 10% higher than the upstream pressure and close again in an absolute tight manner.