TEST CODE SHEET

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1. TYPE OF TEST(S)

Closing pressure of the downstream check 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.
Devices for the prevention of contamination by backflow.

(A) NON -VERIFIABLE DISCONNECTOR CA (Derived from prEN W1097 C25: 1999. Clause 9.5.2)
DN6 to DN50.

TEST METHOD

APPARATUS The following apparatus is required.

A supply of water to achieve the test pressures.

Sight glass, graduated in mm.

PROCEDURE The procedure shall be as follows:

(1) Remove or foul the upstream check valve and ensure that the relief valve outlet is watertight.

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

(a) Set up the device to be tested as shown in Figure 30A. The maximum inside diameter of the level tubes shall be 10 mm.
(b) Admit water to the device so that a height "h_1" of the water column in tube 'C' is obtained.
(c) Isolate the device for 15 minutes (± 30 seconds).
(d) Note the height difference ΔH_1.
(e) Drain off a small amount of water downstream.
(f) Isolate the device for 15 minutes (± 30 seconds).
(g) Note the height difference ΔH_2 (See Figure 30B).

5. ACCEPTANCE CRITERIA

The closing pressure of the check valve will be observed if Δ H1 and Δ H2 > 100 mm; or 50 mm of water if a WRAS approved check valve EB is incorporated.

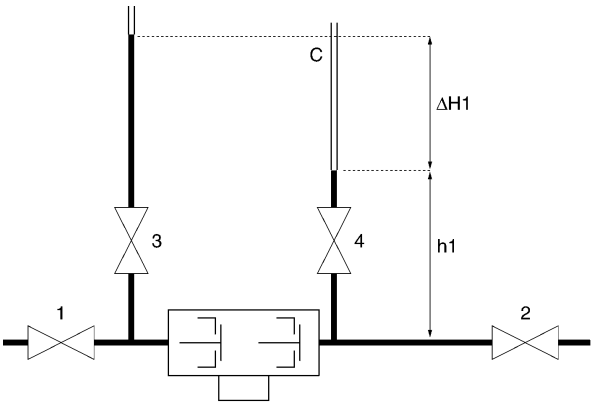

Figure 30A

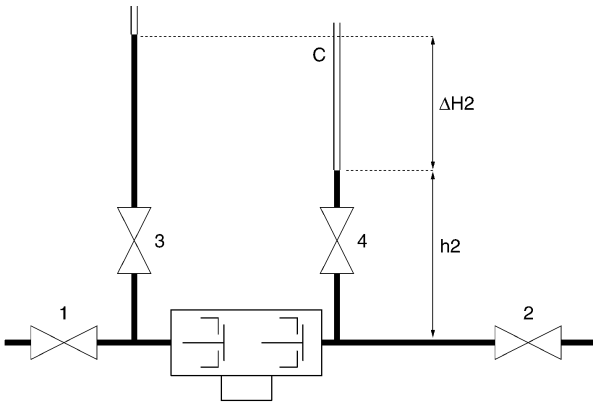

Figure 30B