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WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 5
Date of issue: July 2000

Sheet 1 of 2

TEST CODE SHEET

1. TYPE OF TEST(S)

Pressure tightness under a low reverse pressure differential.

2. WATER REGULATIONS REQUIREMENTS FOR FITTINGSSchedule 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 PROCEDURENote Unless otherwise stated the temperature of the test fluid shall be $20 \pm 10^{\circ}\text{C}$.

4.1 Tests applicable to the following:-

CHECK VALVES

DN6 to DN250.

Devices for the prevention of contamination by backflow.

(A) **CHECK VALVES** (Derived from prEN 164167 W1 108. Clause 7.6)
DN6 to DN250.**TEST METHOD****APPARATUS** The following apparatus is required.

A supply of water to achieve the test flow rates.

Flow meter.

Sight glass.

The example of the test equipment shown in Figure 03 is for guidance only.

Laboratory equipment must be designed to ensure that the valve can be tested to verify the requirement.

NOTE: For double check valves, each single check valve shall be tested separately. The check valve not being tested shall be either removed or the obturator held in the open position.**PROCEDURE** The procedure shall be as follows:-

- (1) Mount the device in the test system in its normal working position. (Reference Figure 03).
- (2) Close all the valves.
- (3) Open valves '3', '4', '6', '7' and '8'.
- (4) Open valve '1' and fill pipe '12' and the branch circuits '10' and '13'. Purge the air by means of valve '7' and pipes '14' and '11'. Close valve '7' when the air has been removed from the circuit.

