TEST CODE SHEET

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1. TYPE OF TEST(S)

High velocity test.

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:-

CHECK VALVES
DN6 to DN250.
Devices for the prevention of contamination by backflow.

(A) CHECK VALVES (Derived from prEN 164167. Clause 7.1)
DN6 to DN250.

TEST METHOD

APPARATUS The following apparatus is required.

A supply of water to achieve the test flow rates.

Flow meter.

Control valve.

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

PROCEDURE The procedure shall be as follows:-

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

(2) Open the water supply control valve.

(3) Adjust the control valve to increase the flow rate of the water passing through the valve until an average velocity of 4 ± 0.5 m/s, or a flow rate as given in Table 1, is obtained.

(4) Maintain this flow velocity for a period of 5 minutes ± 60 seconds.

Table 1

DN	6	8	10	15	20	25	32	40	50	65	80	100	125	150	200	250
Flow Rate Litres/sec	0.10	0.20	0.30	0.70	1.25	2.0	3.25	5.0	7.8	13	20	31	49	70	125	196

5. ACCEPTANCE CRITERIA

Upon completion of the test and by visual examination, no components part of the valve shall be dislodged or damaged.