TEST CODE SHEET

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1. TYPE OF TEST(S)

Bending strength.

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:-

PRESSURISED AIR INLET VALVE LA
DN15 to DN50.
Devices for the prevention of contamination by backflow.

(A) PRESSURISED AIR INLET VALVE LA (Derived from TC 164 WG4 W1 D58. Clause 11.6)
DN15 to DN50.

TEST METHOD

APPARATUS The following apparatus is required.

Shut off valve '1' at the water inlet 'A'.

Pressure gauge 'P1'.

mounting '2' to which the pressurised air inlet valve under test is fixed.

A 1m long steel pipe '3'. The pipe is threaded at one end to be connected to the outlet of the pressurised air inlet valve and at the other end equipped with a connection to load (W). The pressurised air inlet valve has the intermediate parts removed.

Shut off valve '4'.

PROCEDURE The procedure shall be as follows:-

(1) Mount the device in the test system in its normal working position. (Reference Figure 81).

(2) Purge the system by opening valves '1' and '4'. The bending moment is measured at the connection to the pipe. In calculating the bending moment, make due allowances for the mass of the pipework, valves and any loads imposed by the test.

(3) Apply a load W as shown in Figure 81, to produce the bending moment given in Table 81.

(4) Gradually apply pressure up to 0.5 ± 0.1 bar.

(5) Hold for 5 minutes ± 30 seconds.

(6) Gradually increase the pressure over 30 seconds, to 16 bar ± 0.5 bar.

(7) Hold for 5 minutes ± 30 seconds.

Table 81

Nominal size - DN	15	20	25	32	40	50
Bending moment for Thread ends – Nm	80	150	300	400	500	600
Bending moment for compression ends - Nm	50	85	125	160	200	300

5. ACCEPTANCE CRITERIA

There shall be no leakage or permanent deformation of the body of the device. Nor leakage at the air inlets.

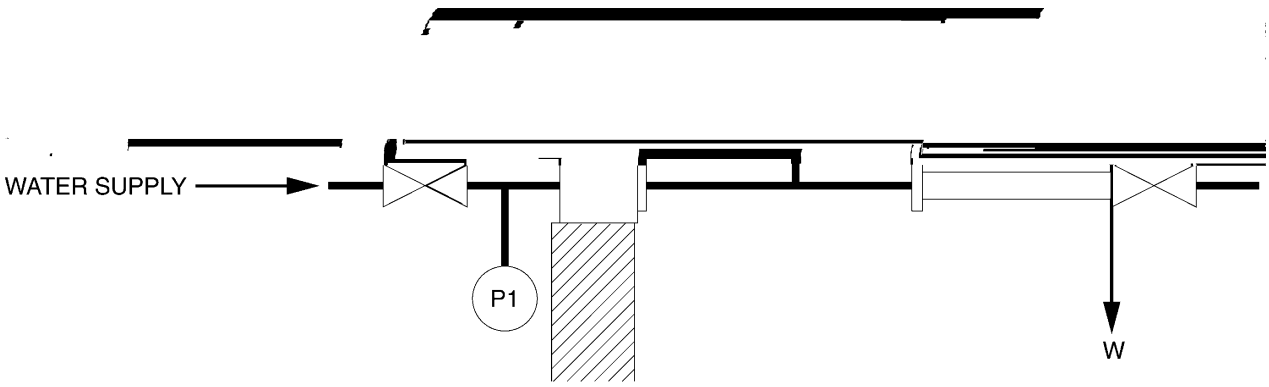

FIG 81