TEST CODE SHEET

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1. TYPE OF TEST(S)

Dimensional - Air gap to drain.

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 byelaws are listed in the directory.

4. TEST PROCEDURE

4.1 Tests applicable to the following fittings:-

ALL FITTINGS, INCORPORATING A CONNECTION TO DRAIN FACILITY.

(A) ALL FITTINGS, INCORPORATING A CONNECTION TO DRAIN FACILITY
(Derived from prEN 1717. Section 9)

TEST METHOD

The air gap and cross-sections of the air inlets for an air break to drain shall meet the following requirements.

With reference to Figure 1 measure the following dimensions; S1, S2 etc, b, e, E and G.

5. ACCEPTANCE CRITERIA

The following criteria shall be met;

$b \geq G$

$b \geq 20mm$

$G \geq E$ and the drain shall be capable of taking the full flow of the discharge.

Total cross-section : $S_1 + S_2 + ... \geq \frac{b \times 2 \Pi G}{3}$

$e \geq 4mm$

The air breaks to drain shall be achieved by either a full disconnection or by air inlets, as shown in Figure 1 .

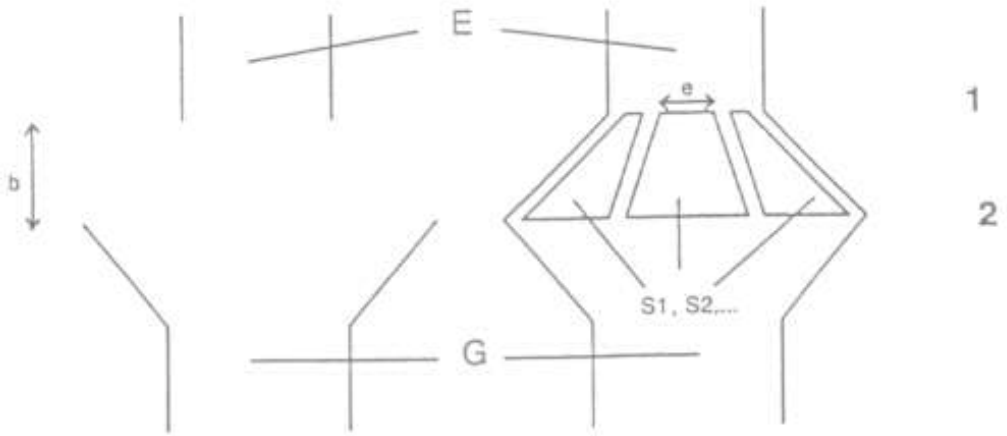

Figure 1

KEY

1 Outlet evacuation
2 Spillover level

Evacuation E : bore E
Drain G : bore G
Air inlets : S_1, S_2 cross - sections for air passage.
e : smallest dimension for calculation of a cross-section.