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TEST CODE SHEET

1. TYPE OF TEST(S)

Contamination Test

2. WATER REGULATIONS REQUIREMENTS FOR FITTINGS

Schedule 2

15-(1) Backflow Prevention - ... every water system shall contain an adequate device or devices for preventing backflow of fluid from any appliance, fitting or process from occurring.

- (5) A backflow prevention device is adequate for the purposes of paragraph 91) if it is in accordance with a specification approved by the regulator for the purposes of this Schedule.

16-(1) Cold Water Services – Every pipe supplying water connected to a storage cistern shall be fitted with an effective adjustable valve capable of shutting off the inflow of water at a suitable level below the overflowing level of the cistern.

- (4) Every storage cistern shall be fitted with;
(a) an overflow pipe, with a suitable means of warning of an impending overflow...
- (5) Every storage cistern shall be so installed as to minimise the risk of contamination of stored water. The cistern shall be of an appropriate size, and the pipe connections to the cistern shall be so positioned, as to allow free circulation and to prevent areas of stagnant water from developing.

3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY WATER REGULATIONS REQUIREMENTS

3.1 BS 6281 : Part 1 : 1992.

4. TEST PROCEDURE

Note Unless stated otherwise the temperature of the test fluid shall be $20 \pm 10^{\circ}\text{C}$.

4.1 Tests applicable to the following fittings:-

STORAGE CISTERNS (SPRINKLER SUCTION TANKS) FOR USE WITH A FIRE SPRINKLER SYSTEM, INCORPORATING A TYPE 'A' AIR GAP.

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Issue No: 1
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Sheet 2 of 2

(A) **STORAGE CISTERNS (SPRINKLER SUCTION TANKS) FOR USE WITH A FIRE SPRINKLER SYSTEM, INCORPORATING A TYPE 'A' AIR GAP.**

TEST METHOD

(i) **Practical Test**

The water supply inlet valve shall be placed in a failed position allowing continuous inflow of water to the cistern, with all overflows and outlets blocked. Allow the inflow of water to continue until the level stabilises above the spill over level of the weir. Whilst in this stabilised condition measure the distance from the lowest height of the inlet to the stabilised water level.

(ii) **Theoretical Test**

Measure the dimensions of the weir arrangement.

5. **ACCEPTANCE CRITERIA**

(i) The minimum air gap shall comply with the minimum dimensions taken from BS 6281: Part 1: 1992, based on the water supply inlet valve size and any restrictions imposed by a mesh, if fitted.

(ii) The weir dimensions shall comply with the requirements of BS 6281: Part 1: 1992, providing that the total open area is equivalent to the requirements of the Standard. The total aperture area and length of aperture over the weir shall be equal to or greater than the requirements of the Standard and this shall not include the solid area of any mesh fitted.