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WBS TEST & ACCEPTANCE CRITERIA
PD.JCS

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Sheet 1 of 1

TEST CODE SHEET

1. TYPE OF TEST(S)

Contamination - air gap dimension.

2. BYELAW REQUIREMENT FOR FITTINGS

Byelaw 24

Every supply pipe conveying water to a cistern (whether or not fitted with a float operated valve) shall (b) if the cistern is a flushing cistern, incorporate either a type B air gap, a pipe interrupter or a double check valve assembly.

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

The only British Standard for automatic flushing cisterns for urinals is BS 1876. Under Clause 3.3 of that Standard an air gap dimension of not less than 13mm between the outlet nozzle of the feeding device and the spill-over level is specified. In the absence of a warning pipe the spillover level of the top of the cistern is the critical water level, and the air gap specified by the Standard does not comply, therefore, with the type B air gap specification

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-

CISTERNS, URINAL FLUSHING
- automatic, all materials.

(A) CISTERNS, URINAL FLUSHING

TEST METHOD

Measure,

- (i) the bore of the feeding device to the fitting, and
- (ii) the vertical height of its lowest point of discharge above the critical water level/spillover level of the fitting.

5. ACCEPTANCE CRITERIA

The dimensions recorded respectively shall be not less than:-

- | | | |
|---|---|-----------------------------------|
| (i) not exceeding 14mm | - | (ii) 20mm |
| (i) exceeding 14mm but not exceeding 21mm | - | (ii) 25mm |
| (i) exceeding 21mm but not exceeding 41mm | - | (ii) 70mm |
| (i) exceeding 41mm | | (ii) twice the bore of the outlet |

NOTE If this criteria is not met, then a minimum air gap dimension of 13mm will enable the fitting to receive qualified acceptance provided that it is installed in accordance with Byelaw 24 with a pipe interrupter or double check valve assembly.