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WBS TEST & ACCEPTANCE CRITERIA PD.

Issue No:3  
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TEST CODE SHEET

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**1. TYPE OF TEST(S)**

Joint Effectiveness

**2. BYELAW REQUIREMENT FOR FITTINGS**

Byelaw 42

Every float operated ... shall ..... (e) have a float which - (i) is constructed of a material capable of withstanding without leaking any water temperature in which it operates or is likely to operate, and (ii) has a lifting effort such that when not more than half immersed, the valve is capable of droptight closure against the highest pressure to which that valve is likely to so as to be subject .....

Byelaw 43

No float operated valve shall be installed to convey hot water to any cistern unless - (a) it is constructed of materials capable of withstanding without leaking any ordinary operating water temperature to which it may be subject .....

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

(See Water Supply Byelaws Guide)

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of byelaws are listed in the directory.

**4. TEST PROCEDURE**

Note Unless stated otherwise the temperature of the test fluid shall be 20 ± 10°C.

4.1 Tests applicable to the following fittings:-

**FLOATS** for float operated valves, in continuous contact with hot water - copper

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**(A) FLOATS FOR FLOAT OPERATED VALVES (COPPER)**

(Derived form BS1968, Section 9)

Leakage test. Floats, both spherical and non-spherical, shall be tested by the method specified below;

TEST METHOD

When floats are required for use in water at a temperature exceeding 37.8°C the shell shall be jointed as specified for Class C Joints - Brazed, bronze welded or silver-soldered joints.

Every finished float shall be tested by immersion for not less than 2 mins ± 10 secs in water having a temperature of 17 +5 - 0°C ... above the temperature of the surrounding air.

**5. ACCEPTANCE CRITERIA**

There shall be no leakage of air from the float when so immersed.