WRc Evaluation & Testing Centre Ltd

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WBS TEST & ACCEPTANCE CRITERIA

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TEST CODE SHEET
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1.   TYPE OF TEST(S)

Contamination - vacuum when submerged.

2.   BYELAW REQUIREMENT FOR FITTINGS

Byelaw 52

Every water fitting shall be constructed of materials, the nature, the strength and thickness of which (including any internal lining or external coating) will prevent, so far as is reasonably practicable, damage from …..
          (a) any external load;
          (c) internal water pressure.

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

There are no British Standards requirements for this test.

4.   TEST PROCEDURE

Note: Unless otherwise stated the temperature of the test fluid shall be $20 \pm 10°C$.

4.1   Tests applicable to the following fittings:-

FITTINGS FOR USE WITH TUBE AND PIPE
- All types - All materials, for use with the appropriate tube or pipe.

ASSEMBLIES OF FITTINGS
- Fittings and pipe - compatible, all types, for hot and cold water use.
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**(A)   FITTINGS FOR USE WITH TUBE AND PIPE
          ASSEMBLIES OF FITTINGS**

TEST METHOD

The fitting shall be assembled in accordance with the manufacturers instructions with the appropriate pipe or tube for which it is claimed to be suitable.

The whole assembly shall be submerged in water at ambient temperature to a depth of at least ten times the nominal diameter of the pipe or tube, with the ends of the pipe or tube clear of the water. All pipe ends except one shall be blanked off by suitable means, and the remaining pipe end connected to a suitable means of applying a vacuum to the assembly, with a vacuum gauge at the point of connection.

A vacuum shall be applied to the assembly, such that the absolute pressure recorded on the gauge does not exceed 0.1 bar for a period of one hour ± 5 minutes.

5.   ACCEPTANCE CRITERIA

There shall be no visible indication that water has entered the assembly during the course of this test.