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WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 1
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Sheet 1 of 1

TEST CODE SHEET

1. TYPE OF TEST(S)

Flow rate / splashing.

2. WATER REGULATIONS REQUIREMENTS FOR FITTINGSSchedule 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 regulations are listed in the directory.

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

4.1 Tests applicable to the following:-

PIPE INTERRUPTER WITH PERMANENT ATMOSPHERIC VENT DC

DN10 to DN20.

Devices for the prevention of contamination by backflow.

(A) PIPE INTERRUPTER WITH PERMANENT ATMOSPHERIC VENT DC

(Derived from PRTC 164 W1114 : 1998 Clause 11.2)

DN10 to DN20.

TEST METHOD**APPARATUS** The following apparatus is required.

A supply of water to achieve the test flow rates at the required temperature and pressures.

Pressure gauges.

Note: The inside diameter of the metering pipework shall be approximately equal to the nominal diameter of the pipe interrupter with permanent atmospheric vent.

PROCEDURE The procedure shall be as follows:-

- (1) Mount the device in the test apparatus in its normal working orientation.
- (2) Produce a flow rate through the device on test to give an upstream dynamic pressure of $0.1 \text{ bar} \pm 0.05 \text{ bar}$. Wait for the flow and pressure to stabilise.
- (3) Observe the outside of the external air inlets and note if there are any water splashes.
- (4) Increase the dynamic pressure in steps of $1 \text{ bar} \pm 0.25 \text{ bar}$, up to 10 bar.

5. ACCEPTANCE CRITERIA

No splashing water shall be observed at the outside of the external air inlets over the full range of pressures.