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WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 2
Date of issue: July 2000

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TEST CODE SHEET

1. TYPE OF TEST(S)

Leaktightness of the upstream checkvalve at low pressure.

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:-

REDUCED PRESSURE ZONE (RPZ) VALVE BA
DN8 to DN250.
Devices for the prevention of contamination by backflow.(A) **REDUCED PRESSURE ZONE (RPZ) VALVE BA** (Derived from prEN 12729. Clause 9.5.3)
DN8 to DN250.TEST METHOD**APPARATUS** The following apparatus is required.

A supply of water to achieve the test flow at the required pressure.

Sight glass.

PROCEDURE The procedure shall be as follows:-

- (1) Mount the device on the RPZ test rig, in its normal working position. (Reference setting-up procedure 1-50-75).
- (2) Attach a sight glass to Zone 1, the inside diameter of the site glass will be 10mm (+ 0, - 2 mm).
- (3) Admit water to the device so that the water in the sight glass has a height of $200 \text{ mm} \pm 50 \text{ mm}$ above the test port connection to the valve body.
- (4) Isolate the device for $5 \text{ minutes} \pm 30 \text{ seconds}$.
- (5) Raise the water level in the sight glass to 1 metre.
- (6) Isolate the device for $5 \text{ minutes} \pm 30 \text{ seconds}$.
- (7) Raise the water level in the sight glass to 2 metres.
- (8) Isolate the device for $5 \text{ minutes} \pm 30 \text{ seconds}$.

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5. **ACCEPTANCE CRITERIA**

Throughout the duration of the tests there shall be no sagging of the water level in the sight glass.