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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)

Pressure difference between the upstream and the intermediate zone.

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 9.6.3)
DN8 to DN250.TEST METHOD**APPARATUS** The following apparatus is required.

A supply of water to achieve the test flow rates.

A supply of water to achieve the test pressure.

Flow meter.

Pressure gauges.

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) Dynamic test. Record the pressure difference between the upstream and intermediate zones with the flow rate varying from 0 to the maximum given in Table 18.
- (3) Static test. Record the pressure difference between the upstream and intermediate zones over the upstream pressure from 1 to 10 bar $\pm 2\%$.

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Table 18

DN	8	10	15	20	25	32	40	50	65	80	100	125	150	200	250
Flow m ³ /hr	0.81	1.27	2.9	5.1	7.9	13	20.3	31.8	47.8	72.4	113.1	176.7	254.5	396	618.5

5. ACCEPTANCE CRITERIA

During both tests, the pressure difference between the upstream and intermediate zones shall be greater than 0.14 bar.