

Test Code Sheet Number	1	1	1	1	14
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WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 2
Date of issue: July 2000

Sheet 1 of 1

TEST CODE SHEET

1. TYPE OF TEST(S)

Leak tightness of the downstream checkvalve. High 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) BA** (Derived from prEN 12729. Clause 9.5.1)
DN8 to DN250.TEST METHOD**APPARATUS** The following apparatus is required.

A supply of water at the required pressure.

Pressure gauges.

PROCEDURE The procedure shall be as follows:-

- (1) Securely hold the device in its normal working orientation.
- (2) Downstream of the device apply a pressure of 16 bar \pm 0.5 bar the upstream zone being at atmospheric pressure. (Reference setting-up procedure 1-50-61.)
- (3) Hold this pressure for 2 minutes \pm 5 seconds.
- (4) Isolate the device from the supply pressure for 10 minutes \pm 30 seconds.

5. ACCEPTANCE CRITERIA

Throughout the duration of the test there shall be no leakage through the check valve. This is verified by no discharge from the relief valve outlet. Also there shall be no permanent deformation or deterioration of the downstream check valve. This is verified by applying TCS 1111.13.