

Test Code					
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WRAS TEST & ACCEPTANCE CRITERIA

Issue No: 1
Date of issue: July 2000

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TEST CODE SHEET

1. TYPE OF TEST(S)

Vacuum test.

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:-

PRESSURISED AIR INLET VALVE LA

DN15 to DN50.

Devices for the prevention of contamination by backflow.

(A) **PRESSURISED AIR INLET VALVE LA** (Derived from TC164 WG4 W1 D58. Clause 11.5)
DN15 to DN50.**TEST METHOD****APPARATUS** The following apparatus is required.

Vacuum vessel and connecting pipework.

Vacuum vessel shall be provided with a drain cock to remove any water drawn into the vessel during the test.

Vacuum pump, capable of reducing the absolute pressure within the vacuum vessel to 0.2 bar.

Pipes and fittings, of nominal size not less than that of the device under test. The pipe connecting the test apparatus to the device shall be of the same nominal size as the inlet connection on the device, or larger. The straight length of pipe from the vacuum gauge to the device under test shall be between 100mm and 150mm.

Vacuum gauges ranging from 1 bar absolute to 0.1 bar absolute. The gauge connections shall be made in such a way they do not disturb the flow in the pipework.

Water trap, provided with a valve to allow the trapped water to be drained.

Transparent tube

Water reservoir

Scale, graduated in mm.

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PROCEDURE The procedure shall be as follows:-

- (1) Mount the device in the test system in its normal working position. (Reference Figure 80).
- (2) Open the full-way valve within 2 seconds so that the absolute pressure below 0.5 bar is applied to the pressurised air inlet valve for at least 5 seconds.

5. **ACCEPTANCE CRITERIA**

The water in the transparent tube shall not rise more than 200mm.

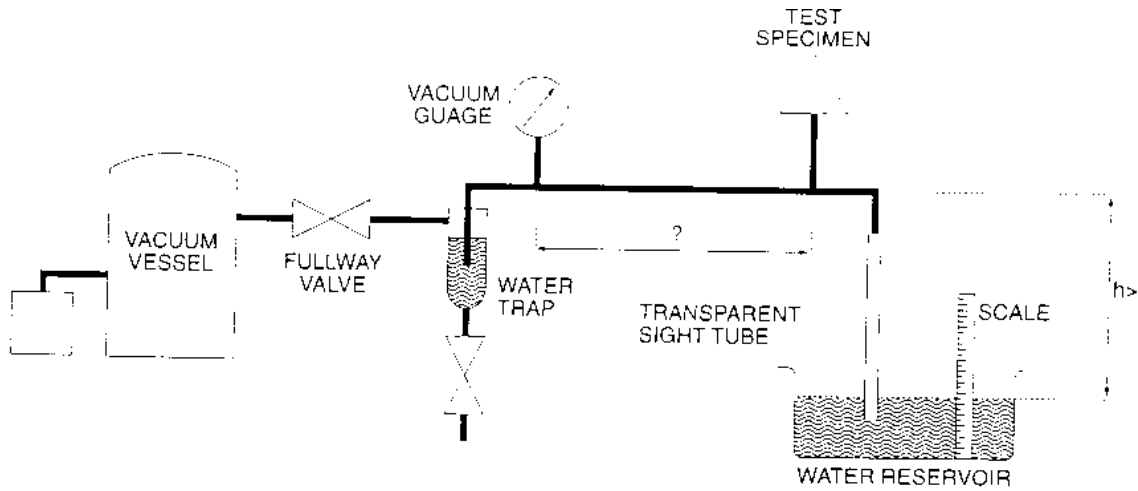


FIG 80

h : distance between the edge at the air inlet openings of the device and the water level.

NOTE: The height 'h' is taken to be 500mm, although this is not stated in the Standard.