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TEST CODE SHEET

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**1. TYPE OF TEST(S)**

Vacuum test tightness of the upstream check valve.

**2. WATER REGULATIONS REQUIREMENTS FOR FITTINGS**

Schedule 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 PROCEDURE**

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

4.1 Tests applicable to the following:-

**NON-VERIFIABLE DISCONNECTOR CA**

DN6 to DN50.

Devices for the prevention of contamination by backflow.

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(A) **NON-VERIFIABLE DISCONNECTOR CA** (Derived from prEN W1097 C25: 1999. Clause 9.5.4)  
DN6 to DN50.

**TEST METHOD**

**APPARATUS** The following apparatus is required.

Vacuum rig, vacuum gauge, water reservoir, scale.

**PROCEDURE** The procedure shall be as follows:

- (1) Remove or foul the downstream check valve.
- (2) Mount the device in the test system in its normal working position. (See Figure 8).
- (3) Apply a flow of water at the valve outlet that will create a relief flow rate as indicated in Table 32.
- (4) Rapidly apply a vacuum of  $> 0.5$  bar at the valve inlet and hold for  $60 \pm 5$  seconds.
- (5) Repeat the test with a vacuum of  $0.065 \text{ bar} \pm 0.005 \text{ bar}$  and hold for  $60 \pm 5$  seconds.

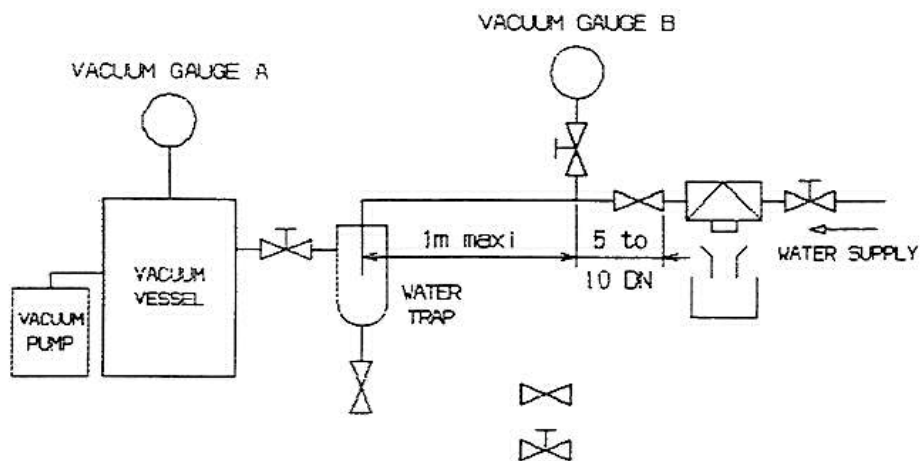
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**Table 32**

DN	6	8	10	15	20	25	32	40	50
Flow m <sup>3</sup> /hr	0.2	0.36	0.56	2	3.2	5.4	8.6	13.6	21



**Figure 8 : Tightness testing equipment (vacuum)**

**5. ACCEPTANCE CRITERIA**

No water shall pass through the device on test, as indicated by water in the water trap.