

Test Code Sheet Number	1	1	1	1	5
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TEST CODE SHEET

1. TYPE OF TEST(S)

Leaktightness 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 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:-

AUTOMATIC DIVERTER HC

Devices for the prevention of contamination by backflow.

(A) **AUTOMATIC DIVERTER HC** (Derived from BS EN 1111 : 1998. Clause 9.6)

TEST METHOD

APPARATUS The following apparatus is required.

See Figure 73.

PROCEDURE This test may be carried out at the available water temperature. The procedure shall be as follows:-

Type 1: Assembly operating range 0.5 to 10 bar. Recommended range 1 to 5 bar.

- (1) Connect the valve, in its position of use, to the test circuit.
- (2) Put the diverter in the bath position.
- (3) Apply a dynamic water pressure of 4 ± 0.2 bar for 60 ± 5 seconds. Check that leaktightness is obtained on the shower outlet.
- (4) Gradually reduce the dynamic water pressure to 0.5 ± 0.05 bar and maintain for 60 ± 5 seconds. Check that leaktightness is obtained on the shower outlet.
- (5) Put the diverter in the shower position.
- (6) Apply a dynamic water pressure of 4 ± 0.2 bar for 60 ± 5 seconds. Check that leaktightness is obtained on the bath outlet.
- (7) Gradually reduce the dynamic water pressure to 0.5 ± 0.05 bar and maintain for 60 ± 5 seconds. Check that leaktightness is obtained on the bath outlet.

Test Code Sheet Number	1	1	1	1	5
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Sheet 2 of 3

Type 2: Assembly operating range 0.1 to 10 bar. Recommended range of 0.1 to 2 bar.

- (1) Connect the valve, in its position of use, to the test circuit.
- (2) Put the diverter in the bath position.
- (3) Apply a dynamic water pressure of 2 ± 0.2 bar for 60 ± 5 seconds. Check that leaktightness is obtained on the shower outlet.
- (4) Gradually reduce the dynamic water pressure to 0.2 ± 0.05 bar and maintain for 60 ± 5 seconds. Check that leaktightness is obtained on the shower outlet.
- (5) Put the diverter in the shower position.
- (6) Apply a dynamic water pressure of 2 ± 0.2 bar for 60 ± 5 seconds. Check that leaktightness is obtained on the bath outlet.
- (7) Gradually reduce the dynamic water pressure to 0.2 ± 0.05 bar and maintain for 60 ± 5 seconds. Check that leaktightness is obtained on the bath outlet.

5. ACCEPTANCE CRITERIA

For the duration of the test there shall be no leakage at the outlet points indicated.

