

<b>Test Code Sheet Number</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>14</b>
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WBS TEST & ACCEPTANCE CRITERIA PD.

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Sheet 1 of 1

TEST CODE SHEET

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

Endurance

**2. BYELAW REQUIREMENT FOR FITTINGS**

Byelaw 52

Every water fittings shall be constructed of materials, the nature, the strength and the thickness of which .... will prevent, so far as is reasonably practicable, damage from .... (a) any external load; (b) vibration, stress ....

Byelaw 87

Every draw off tap .... shall (a) be capable of operating effectively at (i) any water temperature not exceeding 65°C, and (ii) any internal water pressure to which it is likely to be subject and (b) be made and designed so that it may be easily closed to shut off the flow of water; and (c) if it incorporates a renewable seal or washer, be made or adapted so that the seal or washer can be easily removed or replaced .....

**3. BRITISH STANDARDS OR WATER SPECIFICATION, DEEMED TO SATISFY BYELAW REQUIREMENTS**

(See Water Supply Byelaws Guide)

3.1 Fittings with 'kitemarks' which are deemed to satisfy the requirements of byelaws are listed in the directory.

**4. TEST PROCEDURE**

Note Unless stated otherwise the temperature of the test fluid shall be 20 + 10°C.

4.1 Tests applicable to the following fittings:-

**VALVES**

- submitted as being intended for use as shower control valves, commanding the water supply.

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**(A) SHOWER CONTROL VALVES**

TEST METHOD

Fit the valve to be tested onto the automatic test rig in accordance with Setting-up Procedure IGN 1-50-58. The water supply shall have a static pressure of between 2 bar and 4 bar and regulated so that the flow rate through the valve is between 0.25 and 0.5 litres/cycle.

Commence the opening and closing operations as follows:

- (a) Open the valve 80% to 95% full obturator lift or movement from the closed position.
- (b) Fully close the tap with an applied torque of  $1.5 \pm 0.15\text{Nm}$ .
- (c) Allow the tap to remain in the closed position for 4 to 6 seconds.

This constitutes one cycle. The valve shall be tested for a total of 50,000 cycles whilst being supplied with hot (60 +5 0°C) and cold water alternately for periods of 15 minutes each.

**5. ACCEPTANCE CRITERIA**

The fitting shall fulfil its design function satisfactorily throughout the test and upon completion shall be capable of meeting the acceptance criteria of Test Code Sheet 1111.1.