

Specification MAP/CV1132/Issue 5 Dated 18.1.50. To be read in conjunction with K1001, ignoring clause:- 5.2.	<table> <tr> <th colspan="2"><u>SECURITY</u></th></tr> <tr> <td><u>Specification</u></td><td><u>Valve</u></td></tr> <tr> <td>RESTRICTED</td><td>UNCLASSIFIED</td></tr> </table>	<u>SECURITY</u>		<u>Specification</u>	<u>Valve</u>	RESTRICTED	UNCLASSIFIED
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RESTRICTED	UNCLASSIFIED						

→ Indicates a change

<u>TYPE OF VALVE</u> - Neon indicator. <u>CATHODE</u> - None <u>ENVELOPE</u> - Glass <u>PROTOTYPE</u> -	<u>MARKING</u> See K1001/4. VI.132 10E/6
<u>REQUIREMENT</u> The discharge to be viewed through the top of the bulb. A concentric arrangement of electrodes is therefore required, a suitable form consisting of a central disc mounted above an annular electrode.	<u>BASE</u> Single Contact brass bayonet cap to conform to cap B15S/17. B.S.S. No.52
	<u>DIMENSIONS</u> See drawing on page 3.
	<u>PACKING</u> See K.1005

To be performed in addition to those applicable in K1001.

Clause	Test	% Tested
(a)	<p><u>Glowing Test</u></p> <p>Valves shall be tested in a circuit similar to that shown below. With A.C. Voltage at zero the D.C. Voltage shall be adjusted so that the valve just lights and shall then be reduced until the valve is just extinguished. The A.C. Voltage shall then be slowly raised from 0 to 25 Volts R.M.S. Above 20 Volts the valve shall be glowing above the central disc electrode, and at 25 Volts the valve shall light up over at least two thirds of the surface of the central disc electrode. On reducing the A.C. Voltage to zero the glow shall extinguish.</p>	100%
(b)	<p>Valves passing test (a) shall be retested to the same requirements after 24 hours and only those valves which pass both tests shall be accepted.</p>	
(c)	<p><u>Life Test</u></p> <p>Valves shall be subjected to an intermittent connection of 6 seconds 'on' and 6 seconds 'off' passing a current during the 'on' period of 2.5mA. After 4000 flashes the valves shall still satisfy test clause (a).</p>	1% (3)



