

Specification MAP/CV104/Issue 5.
 Dated 15.1.49
 To be read in conjunction with K1001.

SECURITY

Specification

Valve

~~RESTRICTED~~

UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE:-</u> Gas filled voltage stabiliser		<u>MARKING</u>	
<u>CATHODE:-</u>	Cold	See K1001/4	
<u>ENVELOPE:-</u>	Glass unmetallised	See Note A	
<u>PROTOTYPE:-</u>	Small neon indicator lamp without series resistance	<u>PACKING</u>	
		See K1005	
<u>RATING</u>		<u>BASE</u>	
Max. Striking Voltage (V)	170	Bayonet base type B22/21 according to BSS.52	
Max. Extinguishing Voltage (V)	160	<u>DIMENSIONS</u>	
Max. Operating Current (mA)	1.0	See K1001/AI/D1	
		<u>Dimensions</u>	<u>Min.</u> <u>Max.</u>
		A (mm)	53 59
		B (mm)	27 29
<u>NOTES</u>			
A:- A black cross shall be marked on the upper part of the brass base, in such a position that it comes above the connection to the positive electrode.			
B:- The stabiliser should be operated with the ring electrode negative.			

To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
For the following tests an adjustable D.C. voltage shall be applied to the valve from 5,000 Ω potentiometer, the ring electrode of the valve being negative. A low resistance milliammeter shall be connected between the valve and the potentiometer and a volt-meter shall be placed across the valve and milliammeter.					
a	The applied voltage shall be increased until current flows	Striking Voltage (V)	150	170	100%
b	The applied voltage shall be decreased until current ceases.	Extinguishing Voltage (V)	140	160	100%
c		Difference between (a) and (b).	7.0	-	100%
d	The applied voltage shall be decreased to give a current of 0.25mA without the tube extinguishing.				100%