

Specification MAP/CV1110/Issue 5 Dated 17.1.47. To be read in conjunction with K1001	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> RESTRICTED

→ Indicates a change

<u>TYPE OF VALVE</u> - Gas filled voltage stabiliser <u>CATHODE</u> - Gold <u>ENVELOPE</u> - Glass - unmetallised <u>PROTOTYPE</u> - S130	<u>MARKING</u> See K1001/4
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<u>RATING</u>	<u>Note</u>	<u>BASE</u>		
Max. Striking Voltage (V)	180	B4		
Mean Striking Voltage (V)	160	<u>Pin</u>	<u>Electrode</u>	
Max. Current (mA)	75	1	Anode	
Min. Current for stable operation (mA)	10	2	Cathode	
Min. Current to maintain ionisation (mA)	6	3	No connection	
Mean Voltage at which ionisation ceases (V)	115	4	No connection	
Mean Voltage drop across valve operating at 75mA (V)	120	<u>DIMENSIONS</u>		
Max. Voltage drop across valve operating at 75mA (V)	135	See K1001/AI/D1		
Min. Voltage drop across valve operating at 75mA (V)	115	<u>Dimension</u>	<u>Min.</u>	<u>Max.</u>
Mean change of voltage drop with change of operating current from 75mA to 10mA (V)	5	A (mm)	117	125
Max. change of voltage drop with change of operating current from 75mA to 10mA (V)	10	B (mm)	44	52

CVIII O

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
Tests shall be carried out in a circuit similar to that shown below.					
a	Increase the applied voltage until current flows.	Striking Voltage (V)	-	180	100%
b	Applied voltage adjusted to give a current of 75 mA through the valve	Voltage across the valve (V)	115	135	100%
c	Applied voltage adjusted to give a current of 10 mA through the valve.	Difference between stabilised voltage at 75mA and 10mA. (V)	-	10	100%

TEST CIRCUIT

