

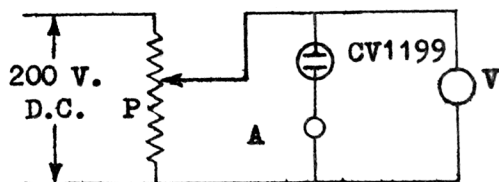
Specification AD/CV1199/Issue 3, Dated 8.11.46. To be read in conjunction with K1001.	<u>SECURITY</u> <table> <tr> <td><u>Specn.</u> Restricted</td><td><u>Valve</u> Unclassified</td></tr> </table>	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified
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<u>TYPE OF VALVE</u> :- Voltage stabiliser. <u>CATHODE</u> :- Cold. <u>ENVELOPE</u> :- Glass.			<u>MARKING</u> See K1001/4.		
<u>RATING</u> Maximum striking voltage (V) 140 Maximum cathode current (mA) 180 Nominal operating voltage, at 50 mA cathode current (V) 97.5			<u>Note</u>	<u>BASE</u> B4 See K1001/AIV/D5.1.	
				Pin	Electrode
				1 2 3 4	Anode Cathode No connection No connection
				<u>DIMENSIONS</u> See K1001/AI/D1.	
				Dimension	Min. Max.
				A mm B mm	153 174 45 53
				<u>PACKING</u> See K1001/7.	

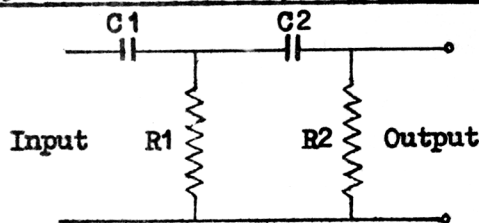
TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested	Note
	Ia (mA)		Min.	Max.		
a	Applied voltage increased from zero until current flows	Striking Voltage Va (V)	-	140	100%	1
b	180	Va noted after 15 mins. (V)			100%	1,2
c	115	Change in Va from value in test 'b' (V)	-	2.0	100%	1
d	50	(i) Anode Voltage Va (V)	90	105	100%	1
		(ii) Change in Va from value in test 'c' (V)	-	2.0		
e	30	Change in Va from value in test 'd' (V)	-	1.0	100%	1
f	Circuit of Fig. 2 connected between anode and cathode		R.M.S. output voltage must be less than 0.1 mV for any value of Ia between 50 mA and 180 mA		100%	



P = Potentiometer.
 A = Low resistance milliammeter.
 V = High resistance voltmeter.

FIG. 1.

C1 = C2 = 0.02 μ Fd.
 R1 = R2 = 20,000 ohms.

FIG. 2.NOTES

1. Test valve in circuit of Fig. 1.
2. Test to be done immediately before the remaining tests.
3. If the valve fails any of the tests above, it shall be re-tested after 15 minutes of operation at Ia = 180 mA.