

CV410

Specification MAP/CV410 Issue 2 Dated 31.1.52. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8	<table border="1"> <tr> <th colspan="2">SECURITY</th></tr> <tr> <td>Specification UNCLASSIFIED</td><td>Valve UNCLASSIFIED</td></tr> </table>	SECURITY		Specification UNCLASSIFIED	Valve UNCLASSIFIED
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→ Indicates a change

<u>TYPE OF VALVE</u> - Cold Cathode Gas Triode			<u>MARKING</u> See K1001/4	
<u>ENVELOPE</u> - Glass			<u>BASE</u> None	
<u>PROTOTYPE</u> - KJA				
<u>RATING</u>			Note	
Max. Anode Voltage	(V)	150	A	<u>TOP CAPS AND END CAPS</u> See K1001/AI/D1
Min. Anode Voltage	(V)	130		
Max. Positive Static Grid Voltage	(V)	75		B
Max. Negative Grid Voltage	(V)	30		
Max. Mean Anode Current	(mA)	5	A	<u>DIMENSIONS AND CONNECTIONS</u> See Drawing on Page 4
Max. Peak Anode Current	(mA)	50		
Tube Drop (glow discharge)	(V)	70	A	
Min. Grid Voltage for start of oscillation	(V)	85		

NOTES

- A. With $V_a = 135$ V.
- B. This tube should not be used for continuous operation.

To be performed in addition to those detailed in K1001

Test Conditions			Test	Limits		No. Tested	Note
				Min.	Max.		
a	Va (V)	Vg (V)	The valve shall not take current or oscillate	-	-	100%	
	100	0					
b	Increase until oscillation occurs	0	Va (V)	160	-	100%	1.4
c	135	Increase until oscillation occurs	Vg (V)	-	130	100%	1.4
d	135	Reduce from 130 until oscillation ceases	Vg (V)	85	-	100%	1
e	135	Increase until conduction occurs	(1) Vg (V)	85	95	100%	2,3, 4
			(2) Ig (uA)	-	4	100%	

NOTES

1. Test to be carried out in the circuit shown as Fig. 1, on Page 3; valve to be enclosed in light proof box.
2. Test to be carried out with a 2M Ω resistor in the grid lead, and in a circuit similar to figure 2 in Specification AD/CV77; valve to be enclosed in light proof box.
3. To be read immediately before conduction occurs.
4. Test to last sufficient time only to take reading.

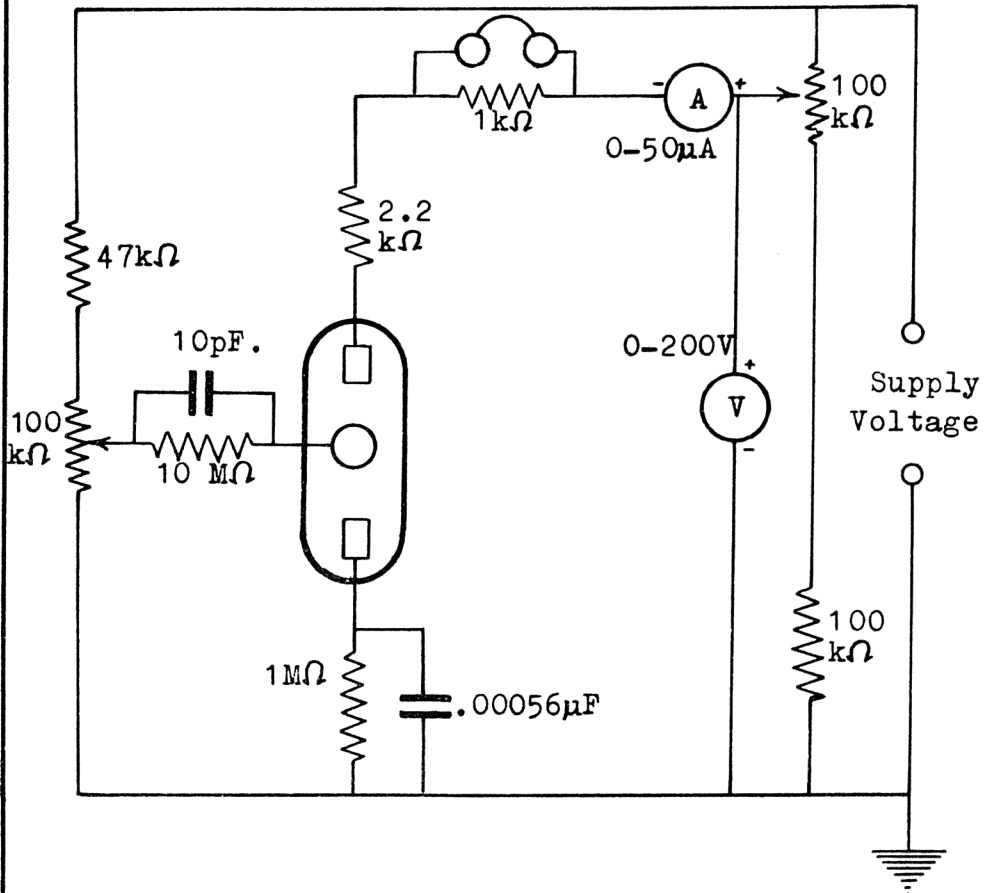
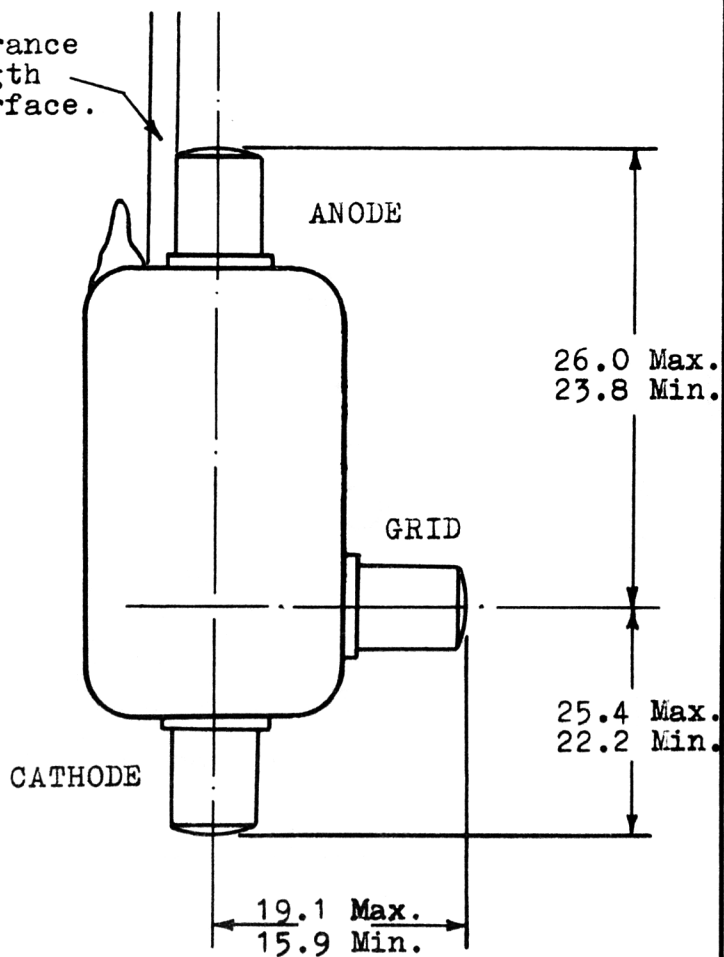
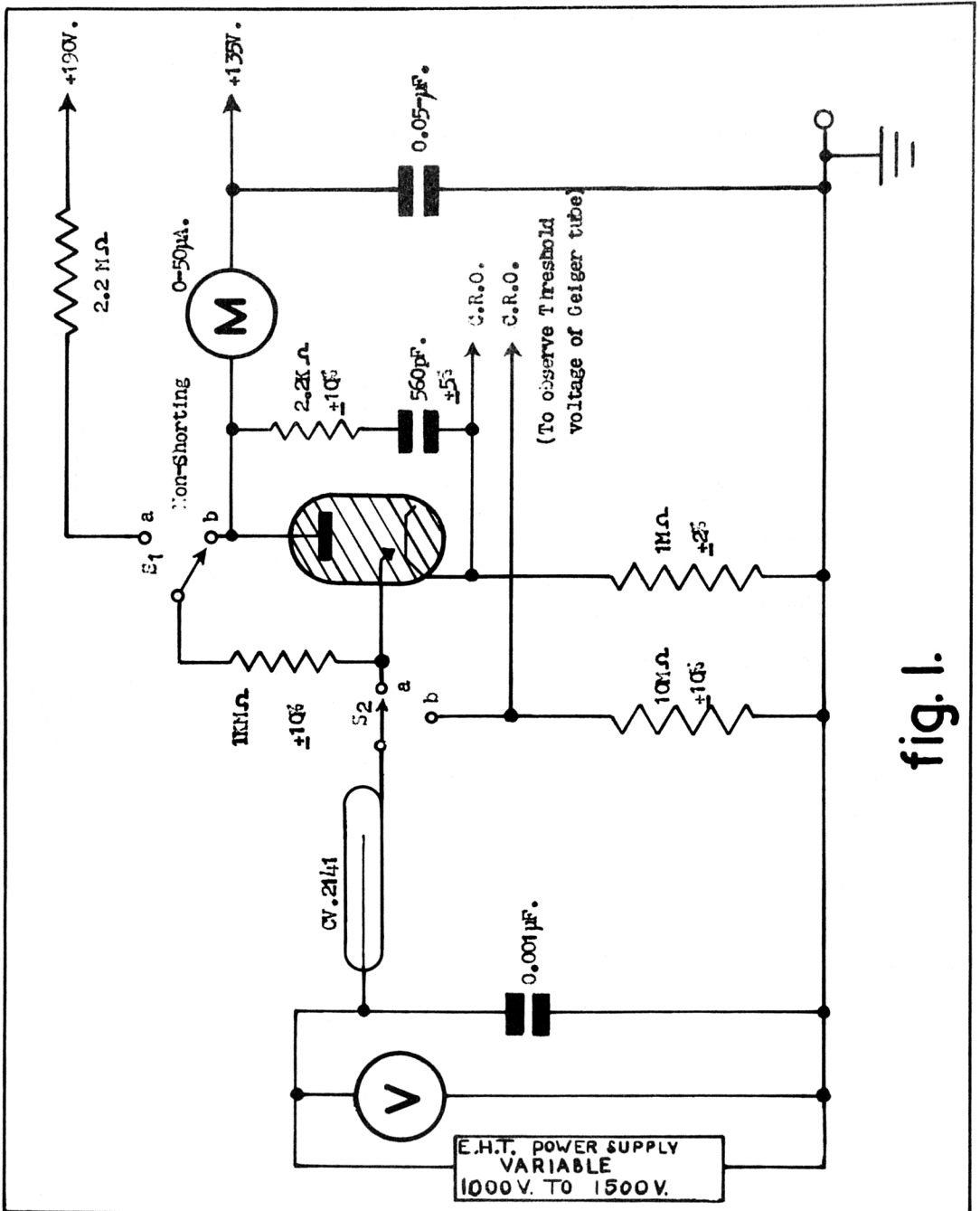


Fig. 1

1.7 Min. clearance
for whole length
of contact surface.



ALL DIMENSIONS IN MILLIMETRES.



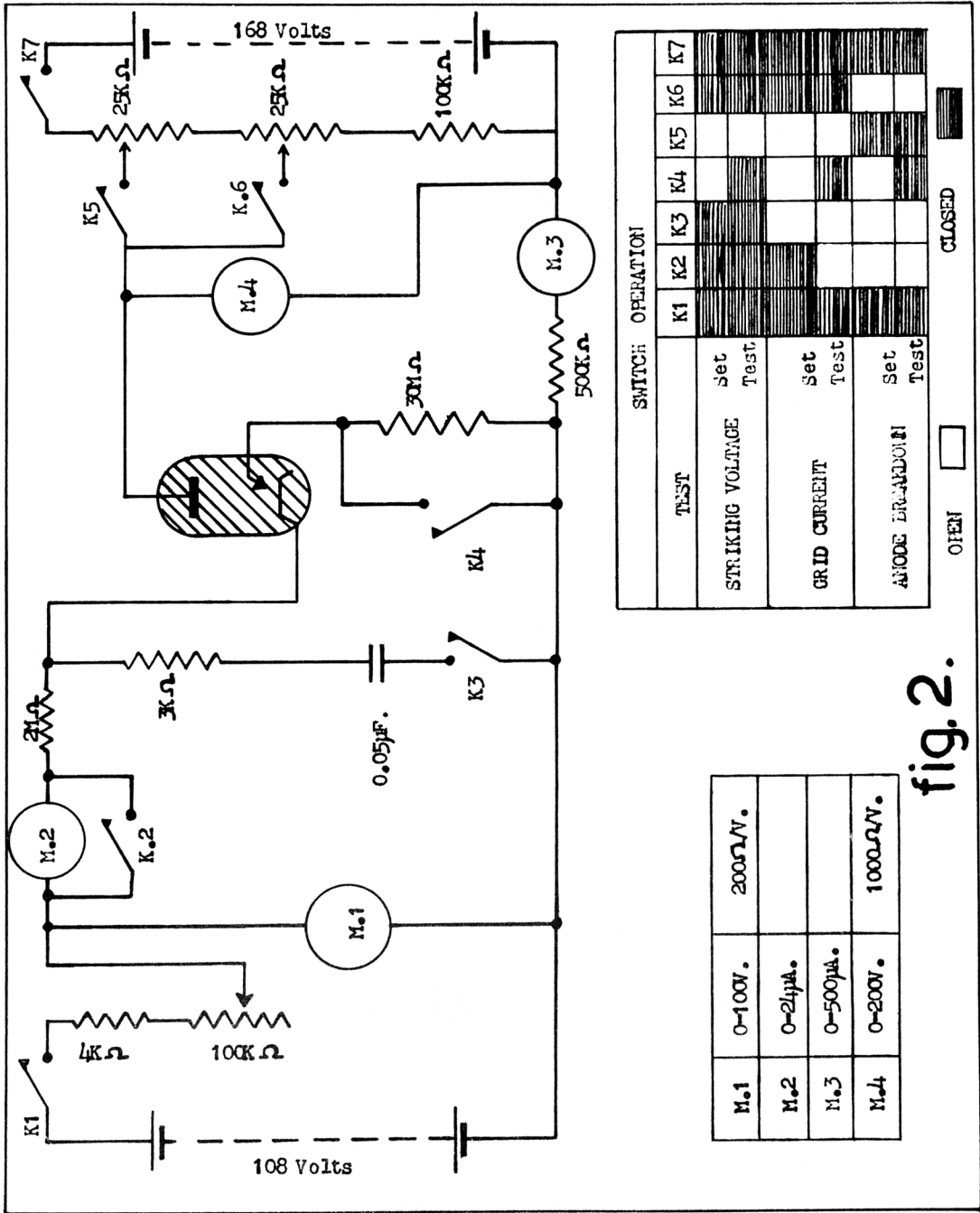


fig.2.

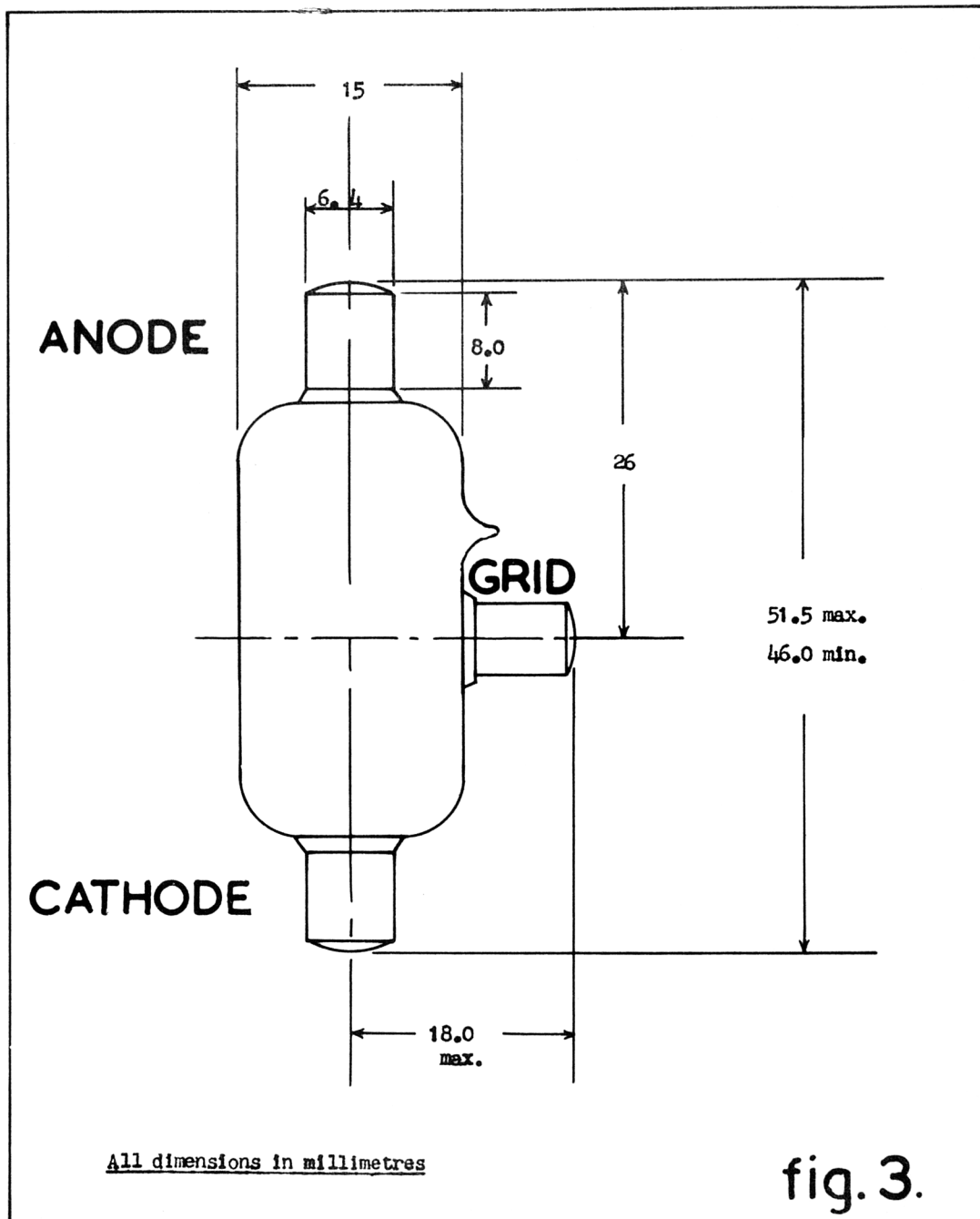


fig. 3.