

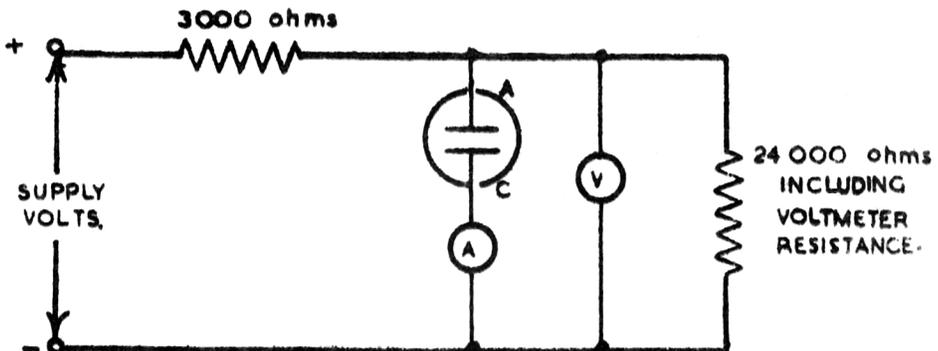
Specification :- D.C.D. W.T. 1439, Issue No. 1, Dated 11th December, 1943.	VALVE SECURITY Non-Secret.	To be read in conjunction with K1001.
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TYPE OF VALVE :- Gas filled voltage stabiliser. CATHODE :- Cold ENVELOPE :- Glass - unmetallised.	MARKING VS110A 10E/423 BASE British 4-pin. Electrode Pin 1 Anode 2 Cathode 3 No connection 4 No connection															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; text-align: center;">RATING</td> <td style="width: 30%;"></td> <td style="width: 40%; text-align: center;">Note</td> </tr> <tr> <td style="padding: 5px;">Maximum Striking Voltage</td> <td style="text-align: center; padding: 5px;">180</td> <td></td> </tr> </table> <p style="padding: 5px;">This valve is a selected VS110 for special circuit requirements.</p>	RATING		Note	Maximum Striking Voltage	180		DIMENSIONS see K1001/A1/D1. <table style="width: 100%; border-collapse: collapse; margin-top: 5px;"> <tr> <td style="width: 15%; text-align: center;">mm.</td> <td style="width: 15%; text-align: center;">Min.</td> <td style="width: 70%; text-align: center;">Max.</td> </tr> <tr> <td style="text-align: center;">A</td> <td style="text-align: center;">117</td> <td style="text-align: center;">125</td> </tr> <tr> <td style="text-align: center;">B</td> <td style="text-align: center;">44</td> <td style="text-align: center;">52</td> </tr> </table>	mm.	Min.	Max.	A	117	125	B	44	52
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Maximum Striking Voltage	180															
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A	117	125														
B	44	52														

TESTS

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 varied from 235 V. to 155 V.	1. Stabilised voltage (V) 2. Variation in stabilised voltage (V)	110	120 6	100% 100%
c	<u>Life Test.</u> A voltage of 195 V. shall be applied for 400 hours, after which time test 'b' shall be applied when the stabilised voltage must not exceed 125 V.				1%



➔ Indicates a change.