

ADMIRALTY (A.S.R.E.)

Specification Adm/CV4052 Issue No. 1 Dated 24.10.55. To be read in conjunction with K1001 and B81409	<u>SECURITY</u>	
	<u>Specification</u> Unclassified	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> - Reliable Gas-filled Voltage Stabiliser with flexible leads		<u>MARKING</u> K1001/4	
<u>CATHODE</u> - Cold		<u>BASE</u> B76/F	
<u>ENVELOPE</u> - Glass			
<u>PROTOTYPE</u> - VI9132			
<u>RATING</u>	NOTE		
Max. Striking Voltage (V)	133	<u>CONNECTIONS</u>	
Nominal Stabilised Voltage (V)	108	Lead	Electrode
Max. Anode Current (mA)	15	1	Anode a
Min. Anode Current (mA)	2	2	Cathode k
Voltage Regulation over current range (V)	3	3	Internally Connected
Max. Acceleration (Continuous Operation) (g)	2.5	4	Cathode k
Max. Shock (Short Duration) (g)	500	5	Anode a
		6	Internally Connected
		7	Cathode k
		<u>DIMENSIONS</u> K1001/A1/D11	
		Dimension (mm)	Min. Max.
		A.Seated height	- 47.5
		B.Diameter	16 19
		C.Lead length	38 --
		<u>MOUNTING POSITION</u> Any	
<u>NOTES</u>			
A. All limiting values are absolute			

K1001	Test	Test Conditions	AQL %	Insp. Level	Symbol	Limits		Units	Notes
						Min.	Max.		
AVI/5	<u>GROUP D</u>	Combined AQL	6.5	IA					
	Life Test								
	<u>Intermediate Point</u> 200 hrs.								
	Maintaining Voltage change.								
			2.5		δV_M	-	± 2	V	
	<u>End point 1000 hrs.</u>		2.5						
	Inoperatives		2.5		V_S	-	134	V	
	Striking Voltage.		2.5						
	Maintaining Voltage change over 200 to 1000 hrs.		2.5		δV_M	-	± 1	V	
AIX/2.5	<u>GROUP E</u>	Combined AQL	2.5	100%					
	Electrical re-test after 28 days holding period								
	Inoperatives								
	Striking Voltage								
			0.5						
	Striking Voltage		0.5		V_S	-	134	V	
	Maintaining Voltage		0.5		V_M	103	113	V	

NOTES

1. This test shall be performed only once and by the valve manufacturing department in order to remove catastrophic failures.
2. A calibrated amplifier detector having a substantially linear response over the range from 25 to 5000 c.p.s. to be connected between anode and cathode. The anode current is to be varied slowly from 2.0 to 15.0 mA at least three times, the rate of sweep being not more than 1 mA per second.