

ADMIRALTY SIGNAL AND RADAR ESTABLISHMENT

Specification AD/CV980 Issue No. 3 dated 14. 6.56. To be read in conjunction with K1001 ignoring clauses:- 5.2; 5.3; 5.7; 5.8; 5.9; 5.10 and 5.12.	<u>SECURITY</u>	
	<u>Specification</u>	<u>Valve</u>
	Unclassified	Unclassified

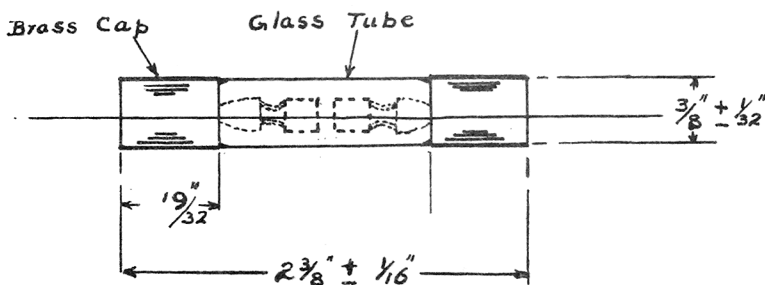
TYPE OF VALVE: Arrestor, Protecting, Gas Gap		<u>MARKING</u> (On one of the brass caps) CV980	
		<u>DIMENSIONS</u> See drawing on Page 2	
<u>RATINGS</u>		Note	
Breakdown Voltage	(V)	120	
Max. Current through Gap	(A)	0.125	A
Max. Equivalent Resistance	(ohms)	1000	B

NOTES

- A. This current shall not be maintained for more than 3 seconds.
- B. Although the maximum specified resistance is given as 1000 ohms, a target value lower than that specified shall be aimed at.
- C. The tube shall be filled with an approved gas at the required pressure.
- D. Breakdown in Gap will be indicated visibly by a luminous glow in the tube.

To be performed in addition to those applicable in K1001

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	A suitable d.c. supply measured with a voltmeter shall be used. The Gas Gap Arrestor, a key and an ammeter - all in series - shall be connected in parallel with the voltmeter. The voltage shall be increased and the circuit made and broken at frequent intervals.	i. Striking Voltage (V)	-	140	100%
		ii. Voltage when current through the Gap is 0.125A (V)	-	125	100%
b	As in test (a) but with current through the Gap reversed.	As in test (a).	As in test (a)		100%
c	Apply a voltage across the Gap of less than 50 volts.	Insulation Resistance (Megohms)	20	-	100%

NOTE

The external dia. of the glass tube must be less than the external diameter of the brass caps.