

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV986/Issue 4. Dated 7.3.47. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specn.</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE</u> :- Lightning Arrestor, Protecting Gas Gap.	<u>MARKING</u>
<u>PROTOTYPE</u> :- Siemens Type 15A.	In accordance with K1001/4 but on one of the brass caps.

<u>RATING</u>	<u>DIMENSIONS & CONNECTIONS</u>
Max. Breakdown Voltage D.C. (V) 250	See Fig. 1, Page 2.

NOTE

- A. Gas Filling. The tube shall be filled with an approved gas at the required pressure.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No. Tested
			Min.	Max.	
a	A steadily increasing voltage to be applied across the gap.	Striking Voltage D.C. (V)	150	250	1% (10)
b	As in 'a', but with reversed polarity.	As in test 'a' D.C. (V)	150	250	1% (10)
c	Capacitance to be measured at frequency of 2 Mc/s.	Capacitance (pF)	0.55	1.05	0A 100%
d	(i) Apply a voltage adjusted to give a current of 50 mA across the gap.	(i) 3 hours continuous running.	No appreciable permanent change in the striking voltage shall occur.		1% (10)
	(ii) Apply a voltage adjusted to give a current of 10 A across the gap.	(ii) 1 second continuous running. Test to be repeated 5 times, time allowed for cooling between each test.			

