## VALVE ELECTRONIC

CV86

## ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV86/Issue 2.	SECURITY	
Dated 7.3.47.	Specn.	Valve
To be read in conjunction with K1001.	Restricted	Unclassified

	·**					
TYPE OF VALVE:- Gas filled spark gap.		<u>MARKING</u>				
PROTOTYPE:- Original VI507 before ceramic sheath was adopted.			See	K1001/4.		
RATING			CONNECTIONS AND DIMENSIONS.			
			See	Fig. 1.		
Max. Striking Voltage	(V)	650		PACKING		
	,		See	K1001/7.		
	CONSTRUCTIONAL NOTES.					
Glass Envelope:-	Lead glass throughout.					
Sleeving and Open						
Sheath:-:-	Lead (L1) glass.					
Gas Filling:-	Argon 380 mm. + 20 mm. plus approx. 5 mg. mercury.					
Electrodes:-	Tungsten welded to lead wires. The ends must be cut square.					
Lead Wires:-	Copp	er-clad nickel	-iron	•		

## TESTS

To be performed in addition to those applicable in K1001.

est Conditions		Limits		No.	
	Test	Min.	Max.	Tested	
a	After 2 weeks' shelf test, increase the applied D.C. voltage until spark occurs.	Striking Voltage (V)		650	100%

CV86/2/1.

**CV86** FIG I. PAGE 2 - 48.5 TO 50 -35±2-LOOSE SHEATH 7.25 LONG 2.75±.25 O.D. 5 1-4-0-1 BORE 0.4 GAR 0.75 SLEEVING 2.5 TO 300D. 19±1 DIA. 1.4 ± 0.1 BORE. COPPER CLAD A SOLID PART OF WIRE, O .75 DIA. SLEEVE CLEAR SPOT WELDED TO TUNGSTEN OF WELD. TUNGSTEN O 8 DIA. LI. GLASS. SQUARE END AT GAP. ALL DIMENSIONS IN MMS.