VALVE ELECTRONIC **CV71**

Specification MAP/CV71/Issue 3 Dated 29.8.46. To be read in conjunction with K1001, ignoring clause 5.2.	SECURITY	
	Specification	Valve
	RESTRICTED	RESTRICTED

——► Indicates a change

TYPE OF VALVE : Gas filled voltage stabiliser	MARKING
CATHODE : Cold ENVELOPE : Glass-Painted-See Note B PROTOTYPE : Small 18mm "Osglim" indicator lamp, without series resistor	See K1001/4 Valves to have a black cross on upper part of base, above connection to positive electrode
	BASE Small bayonet cap (S.B.C.)

RATING		Note	DIMENSIONS See K1001/AI/D1		
			Dimension	Min.	Max.
Max. Striking Voltage(V)	230				
Normal Stabilised Voltage for an operating current of 4mA (V)	160		A (mm) B (mm)	52 -	58 19
Max. Operating Current (mA)	6				

NOTES

A. The stabiliser should be operated with the ring electrode negative.

B. The glass bulb shall be rendered opaque by painting or other suitable treatment except for a small transparent aperture in such a position, and of such a size, as to enable it to be seen whether or not the stabiliser has struck without giving rise to appreciable illumination.

CV71

To be performed in addition to those applicable in K1001.

	Test Conditions	Test	Limits		No.	Note
			Min.	Max.	Tested	
	For the following tests an adjustable D.C. Voltage shall be applied to the valve from a potentiometer, the ring electrode of the valve being negative. A low resistance milliammeter shall be connected between the valve and the potentiometer and a voltmeter shall be connected across the valve and milliammeter.					
a	The applied voltage shall be increased until current flows	Striking Voltage (V)	-	230	100%	
b	The applied voltage shall be adjusted to give an operating current of 4.0 mA.	Stabilised Voltage (V)	135	185	100%	1
c	The operating current shall be reduced from 4mA to 2mA.	Change in Stabilised Voltage (V)	-	12	100%	1

NOTE

1. During these tests there shall be no appreciable flicker or jumping of the glow.