VALVE ELECTRONIC CV 1602

GENERAL POST OFFICE: E-IN-C (W)

(POVT 36)

Specification: G.P.O./CV1602/Issue 1	SECURITY				
Dated: 25.4.47	<u>Specification</u>	<u>Valve</u>			
To be read in conjunction with K 1001	Restricted	Restricted			

_____ indicates a change

CATHODE: Directly h	THODE: Directly heated tungsten filament VELOFE: Metal-glass				MARKING See KLOOL/4 Additional markings required (See Notes A,B,C) Serial No
RATING				Note	<u>PASE</u> None
Filament voltage Nominal filament curre Max. peak inverse volt Max. D.C. Output volta	age	(V) (A) (kV) (kV)	As marked 72.5 37.5 12.5	В	CONNEXIONS See drawing on page 3
Max. rectified output Max. anode dissipation Min. rate of water flo	1	(kW)	2.0 10.0) 2.0		DIMENSIONS See drawing on page 3 PACKING See Klool/7.3

NOTES

- A. The serial number will be allotted by the Inspecting Officer
- B. The Marked Voltage is defined on page 2, test (a)
- C. It is not essential that the additional markings shall appear within the frame

TESTS

To be performed in addition to those applicable in K1001

	TEST CONDITIONS		TEST		LIMITS		No.	
	Vf(V)	Va(DC)			Min.	Max.	Tested	Note
(a)	Read	-	Vf Minimum required for pemission of 7 amps To be known as "Marked Vol		17.5	20.0	100%	1
(b)	M.V.	0	If	(A)	70.0	75.0	100%	
(c)	M.V.	15 kV	D.C. output per valve	(A)	2.0	-	100%	2

NOTES

- (a) The voltage applied to the anode shall be sufficient to draw from the filament a peak emission of 7 amps.
 The test shall be performed in accordance with KLCOL/A V.
 - (b) Alternatively, the voltage applied to the anode shall be sufficient to draw from the filament a peak emission of 3 amps, and the filament voltage required for this emission shall be multiplied by 1.13 to determine the test result.
- 2. The test shall be conducted in a bi-phase half-wave circuit, and its duration shall be 30 minutes.
 No sparking or flash-over shall occur.

OUTLINE DRAWING.

