

Specification VOS/CV90/3	SECURITY
Dated : 25th Sept. 1945.	Specification Valve
To be read in conjunction with K1001.	Restricted Restricted

→ Indicates a change *Under Consideration*

TYPE OF VALVE : Triode C.W. Oscillator	MARKING
CATHODE : Indirectly heated	AS in K1001/4 ←
ENVELOPE : Glass	
COMMERCIAL PROTOTYPE : E.1368	

RATING		Note	BASE None
Heater Voltage	6.3	A	DILENSIONS AND CONNECTIONS See Drawings pages 3 and 4.
Heater Current (Approx.)(Amps)	0.6		
Max. Anode Voltage	350		
Max. Anode Dissipation (watts)	10	B	
Amplification Factor (approx.)	35		
Mutual Conductance (approx.) (mA/V)	5.0	C	
CAPACITANCES (pF)			
C _{ag}	1.9		
C _{ac}	0.065		
C _{gc}	2.25		

- Notes :-
- A. The heater is intended to be run at 6.3 volts. If run below 6.0 volts or above 6.6 volts the life and performance of the valve will be seriously impaired.
 - B. In order to limit the rate of change of anode seal temperature it is necessary that the mass of metal in close thermal contact with the anode disc should be not less than 2 oz. (approx. 60 grams).
 - C. Measured at $V_a = 250$, $I_a = 25$ mA.

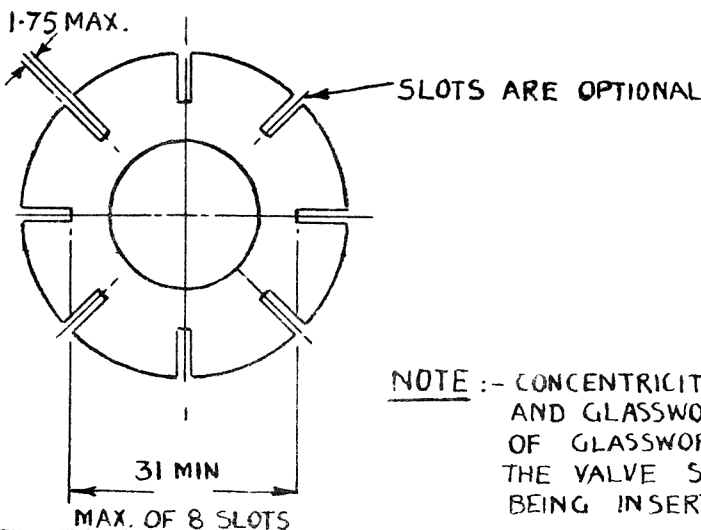
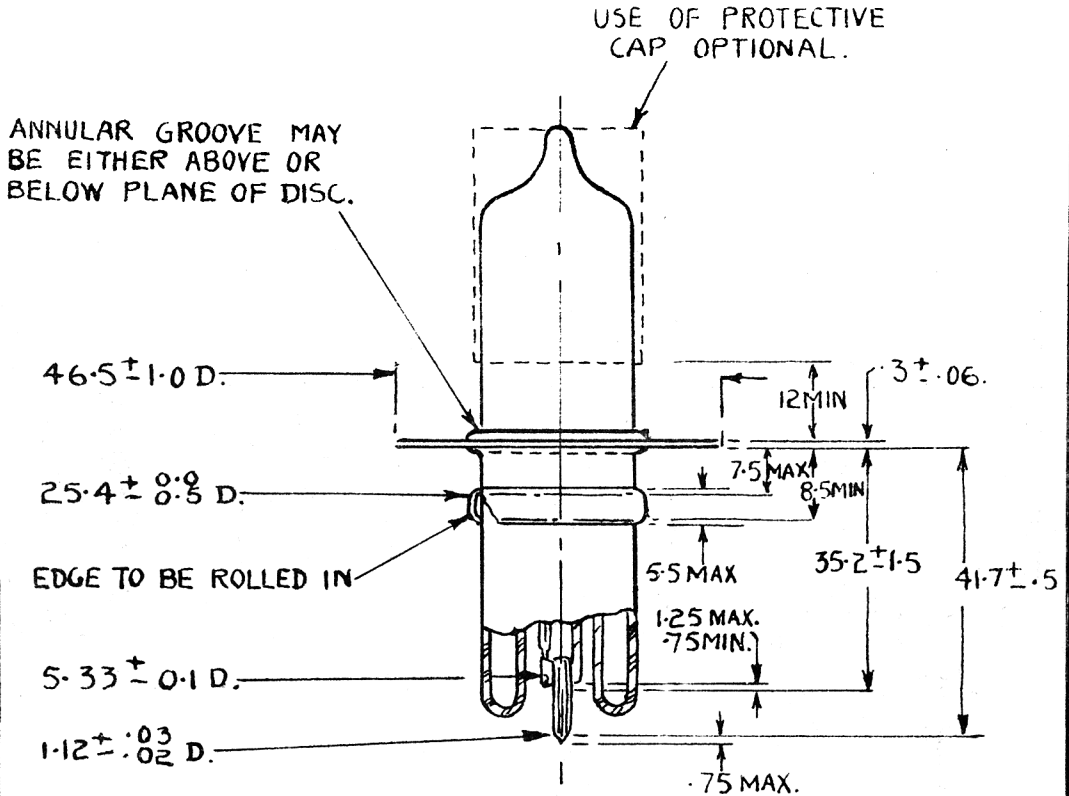
TESTS

To be performed in addition to those applicable in K1001

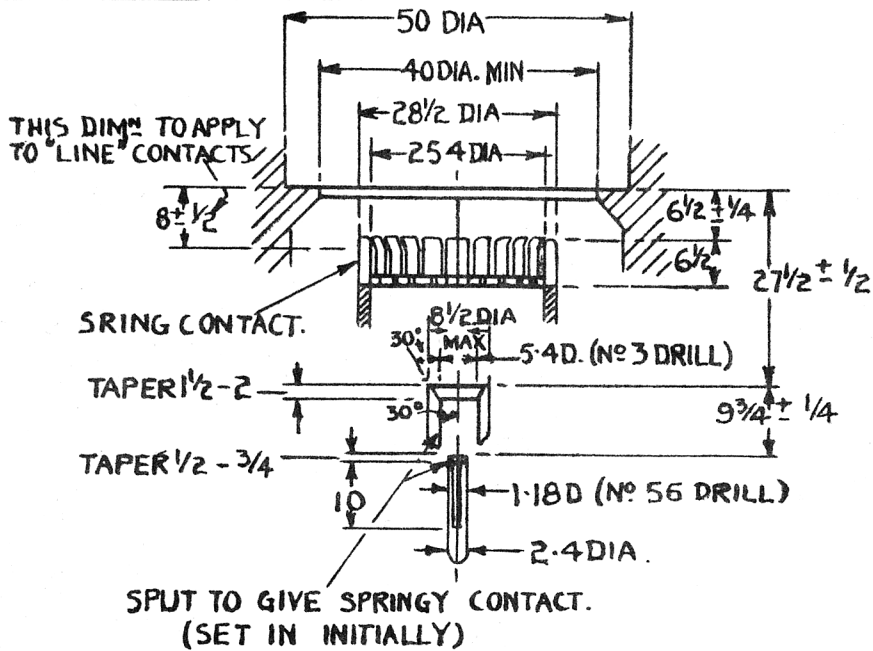
	Test Conditions					Test	Limits		No. Tested
							Min.	Max.	
a	In approved apparatus					Capacitances (pF)			6 per week
						Cag	1.6	2.2	
						Cac	0.04	0.09	
						Cgc	1.9	2.9	
b	Vh	Va	Vg	Ia	Ig	Th (A)	0.5	0.75	100%
	6.3	-	-	-	-				
c	6.3	250	-2	-	-	Rev. Ig (μ A) Notes A & B	-	0.5	100%
d	6.3	250	-1	Read	-	Ia (mA)	10	50	100%
e	6.3	250	-1 to -2	-	-	gm (mA/V)	2	-	100%
f	6.3	250	-8	Read	-	Ia (tail) (mA)	-	5	100%
g	6.3	0 +20 (through 1000 ohms)	-	-	-	Ig (mA)	10	-	100%

NOTES

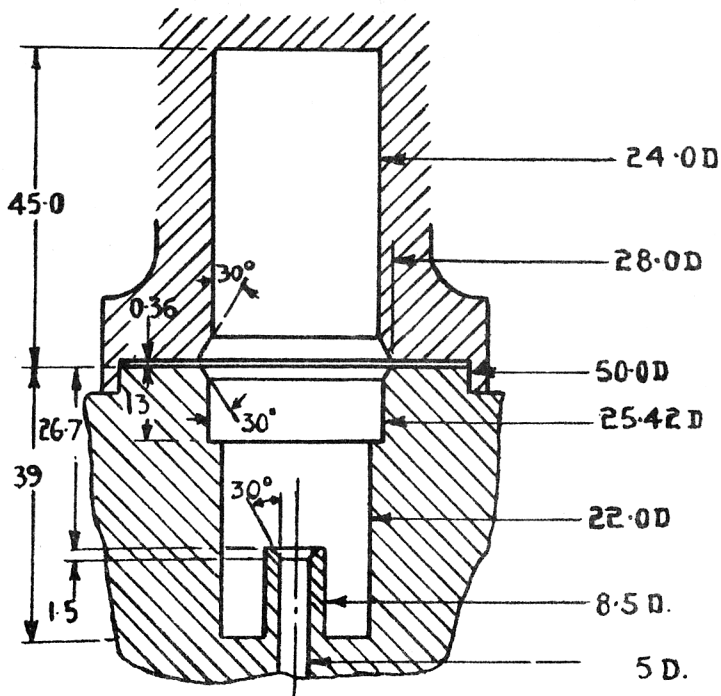
- A. Valve must be run at $V_a = 250$, $I_a = 40$ mA for a duration of 1 minute before this test is made. See Note B. page 1.
- B. Exclusive of grid emission or leakage current.



NOTE :- CONCENTRICITY OF ELECTRODES AND GLASSWORK & MAX DIMENSIONS OF GLASSWORK TO BE SUCH THAT THE VALVE SHALL BE CAPABLE OF BEING INSERTED IN GAUGE



RECOMMENDED CIRCUIT DIMENSIONS



ALL DIMENSIONS ± .02.

CONCENTRICITY & GLASSWORK GAUGE