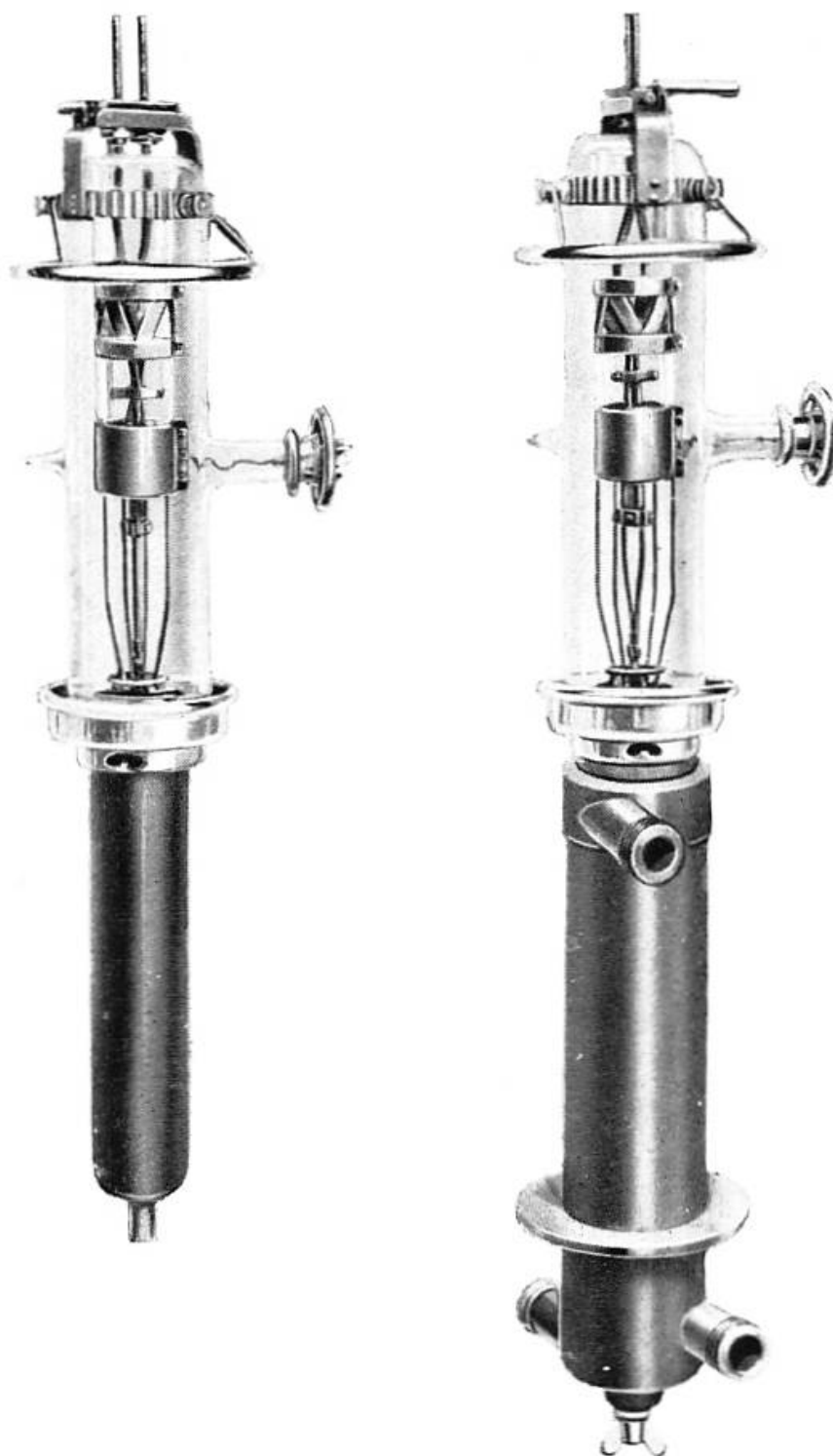


Modulating Valve

TYPE C.A.M. I

(Cooled Anode)



(Approximate overall dimensions : 620×125 ³⁰⁸⁷ m/m.)

A modulating valve in which the anode forms part of the valve envelope, designed for cooling by a liquid circulated in direct contact with the anode. When water is used as the cooling liquid the rate of flow should be not less than 2 gallons per minute.

Capable of continuously dissipating a dead loss of 5 kw. at 10,000 volts at the anode.

Marked Volts. Individual valves are marked with the filament voltage which gives 1.5 and 5 amperes emission current at 90 per cent. saturation.

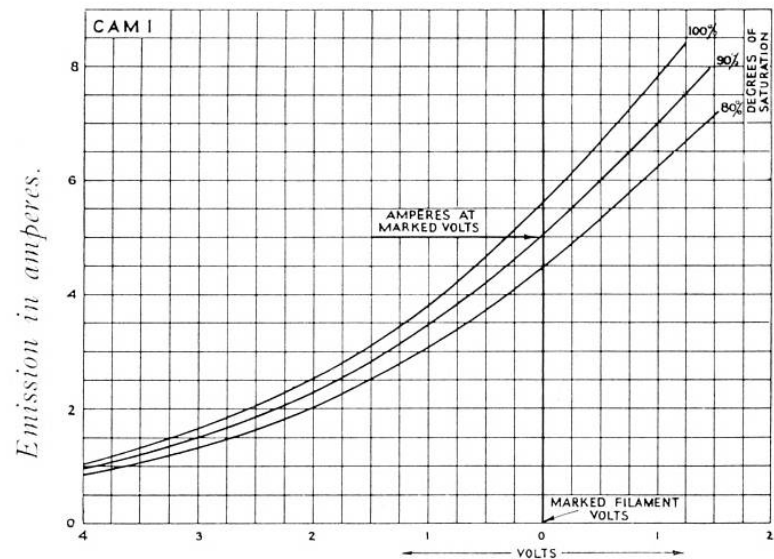
Approximate Data :

Filament volts	.. 17.5—19	90% Total emission (amps.)	1.5—5
Filament amperes	.. 48	*Impedance (ohms)	.. 2,500
Anode volts	.. 10,000—12,000	*Amplification factor	.. 7

* Taken about anode volts 12,000 and grid volts — 1,500.

Code Word : IVOMI

Variation of emission with filament volts as related to marked filament volts for various degrees of saturation of emission current.

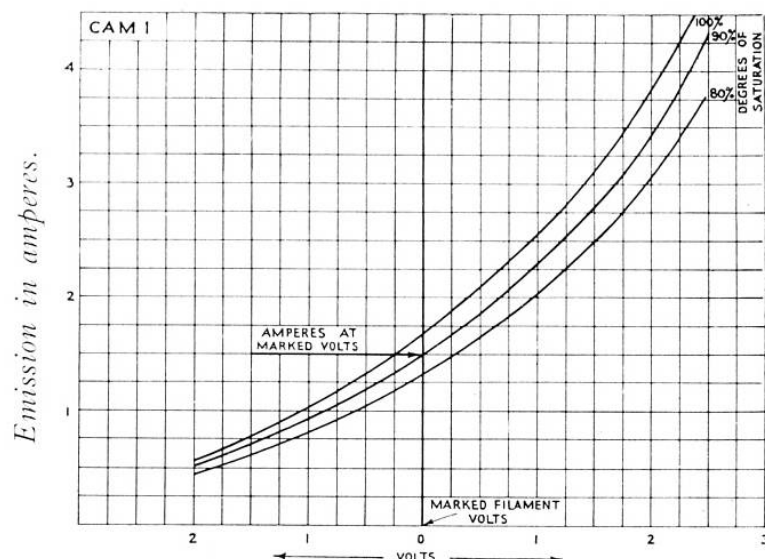


Marked volts to be decreased by above amount.

Marked volts to be increased by above amount.

3486

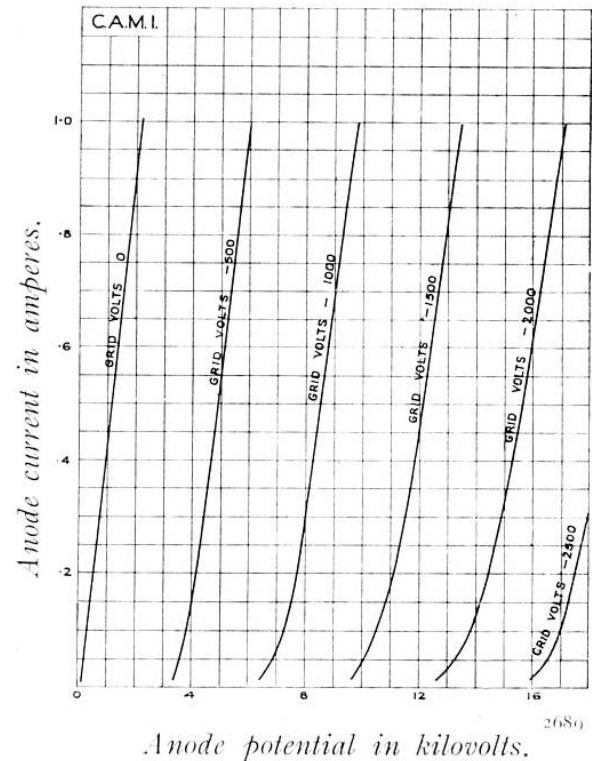
Variation of emission with filament volts as related to marked filament volts for various degrees of saturation of emission current.



Marked volts to be decreased by above amount.

Marked volts to be increased by above amount.

3487



Characteristic Curves of Average Valve.

TYPE C.A.M.1