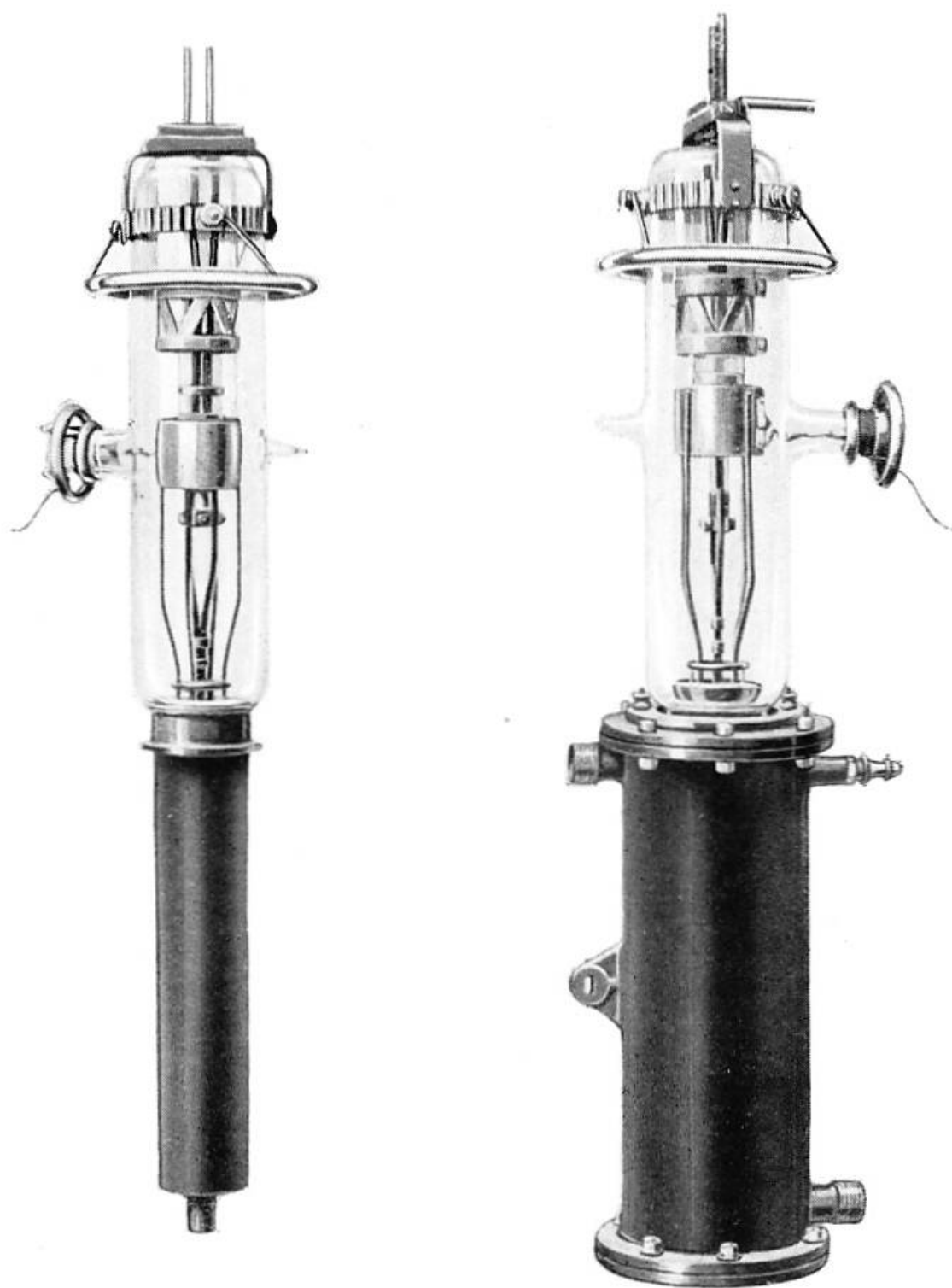


Modulating or Absorber Valve

TYPE C.A.M.2

(Cooled Anode)



(Approximate overall dimensions : 710 × 125 m/m.) ²⁶⁹⁹

A three-electrode 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. The valve is designed for use specially as an absorber but is also suitable for use as a modulator. It is not recommended for use as a transmitting valve owing to the comparatively low filament wattage.

It is capable of continuously dissipating a dead loss of 5 kw. at 10,000-12,000 volts at the anode.

When the valve is used as an absorber during the period it is conductive, care must be taken to prevent the grid being overloaded. The anode voltage should not be allowed to fall below 600, or the grid voltage rise above +300.

Marked Volts. Individual valves are marked with the filament voltage which gives 2 amperes emission current at 90 per cent. saturation.

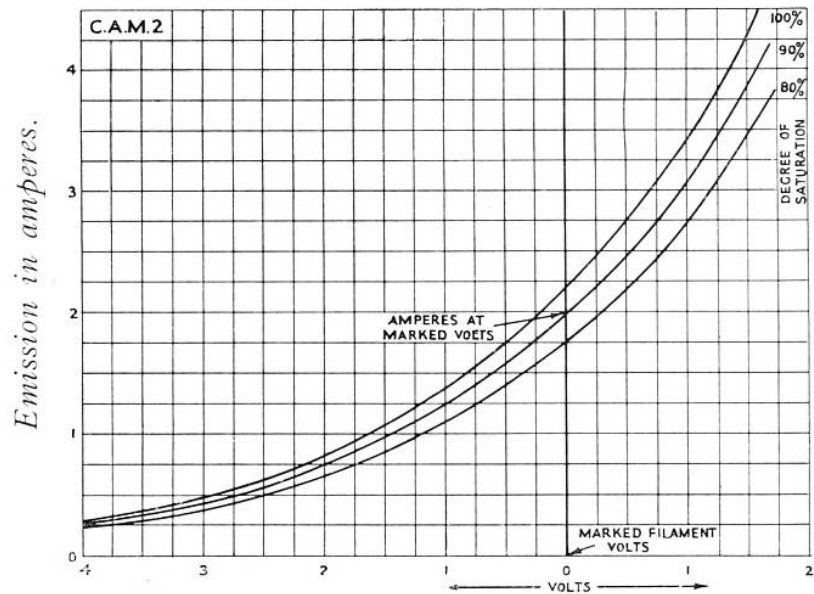
Approximate Data :

Filament volts 16.5—17.5	Emission (amperes) 2
Filament amperes 24	*Impedance (ohms) 5,000
Anode volts 10,000—12,000	*Amplification factor 25

* Taken about anode volts 10,000 and grid volts — 300.

Code Word : IVONK

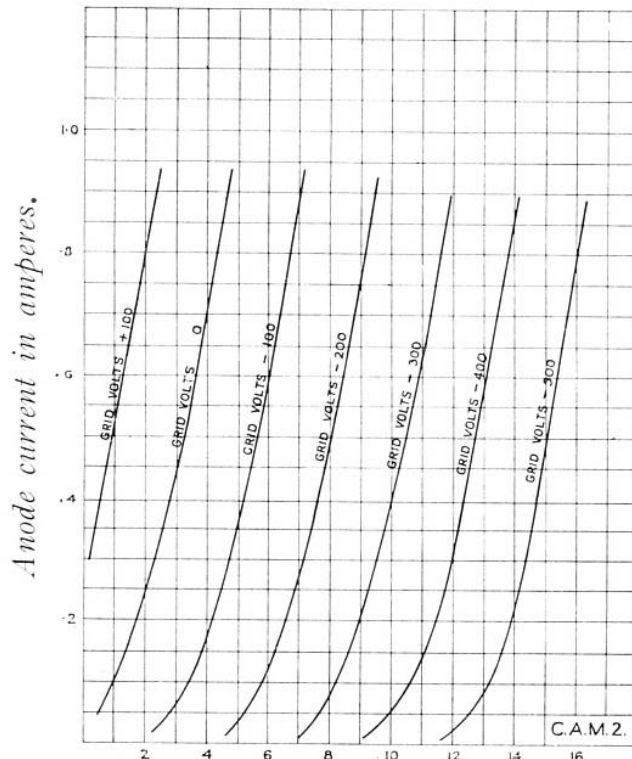
Variation of emission with filament volts as related to marked filament volts for various degrees of saturation of emission current.



3513

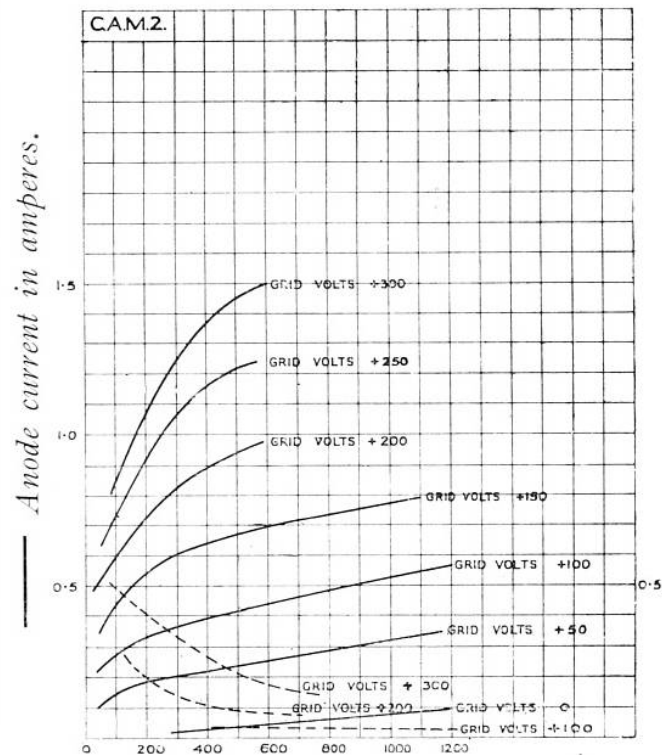
Marked volts to be decreased by above amount.

Marked volts to be increased by above amount.



2686

Anode potential in kilovolts.



2687

Anode potential in volts.

— Anode current in amperes.
- - - Grid current in amperes.

Characteristic Curves of Average Valve.

TYPE C.A.M.2