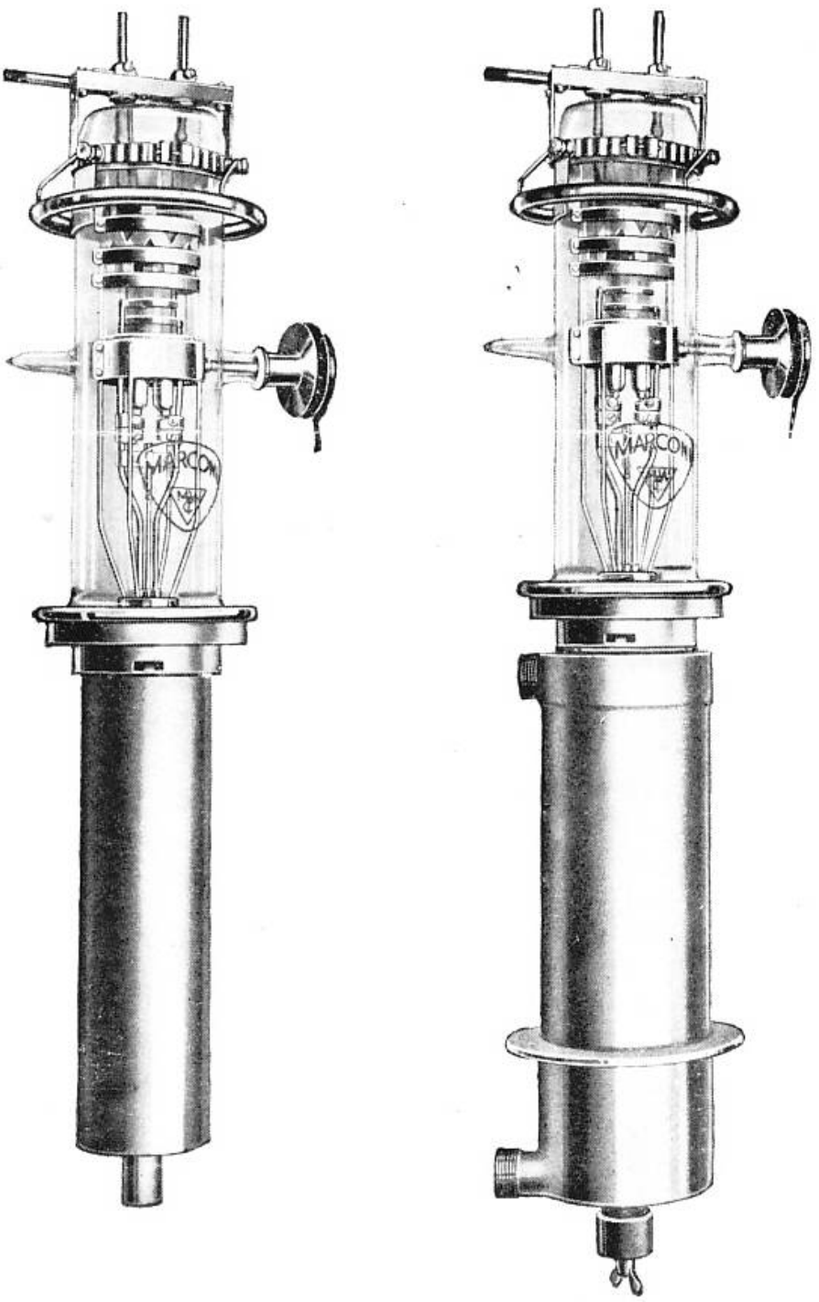
Modulating Valve

TYPE C.A.M.4

(Cooled Anode Valve.)



(*Approximate overall dimensions :* 800 × 200 $\frac{3724}{m/ms.}$)

A cooled anode valve suitable for use as a modulator or as a high frequency amplifier in medium or long wave transmitters.

The anode forms part of the envelope and is designed for cooling by a liquid in direct contact with the anode.

When water is used as the cooling medium the rate of flow should be about 4 gallons per minute.

Capable of continuously dissipating 16 kw. at the anode at voltages up to 15,000.

When used as an amplifier of high frequency currents the anode voltage must not exceed 15,000.

Individual valves are marked with the filament voltage which gives 10.0 amperes emission at 90 per cent. saturation.

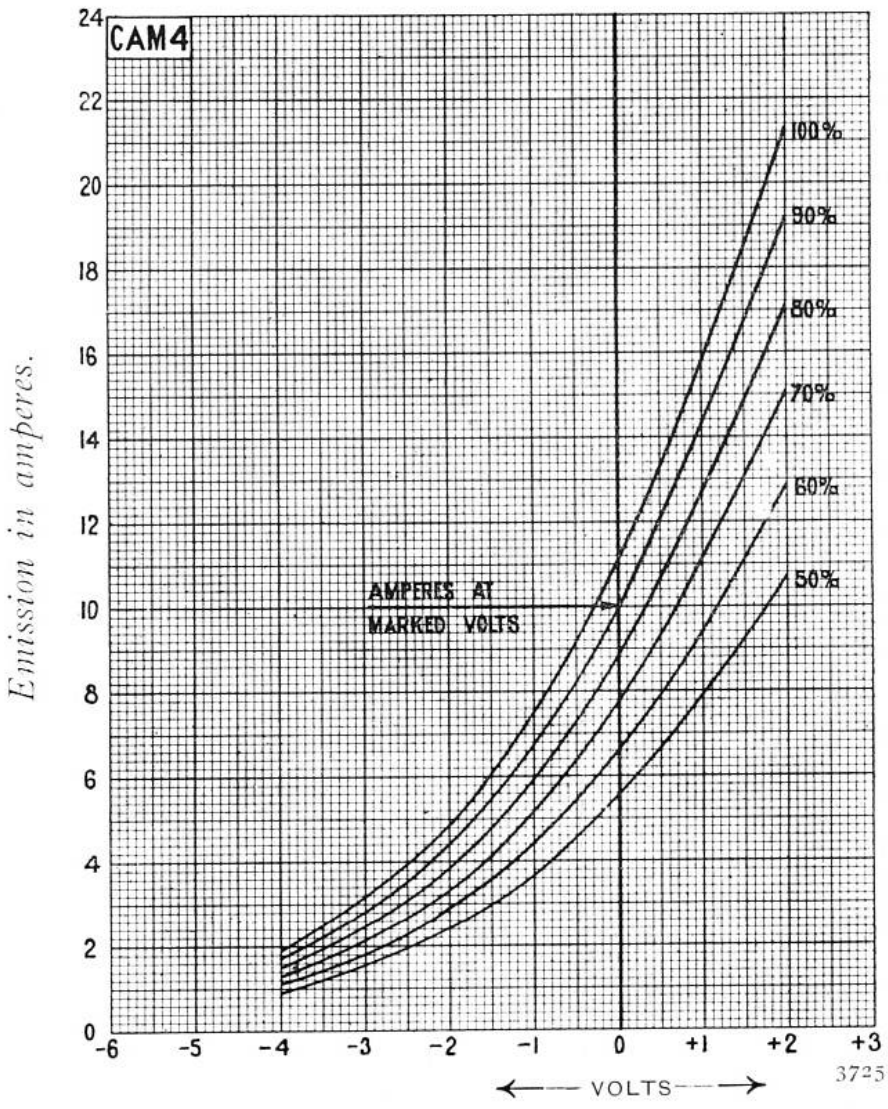
Approximate Data :

Filament volts	20	Emission amperes at 90 per cent. saturation ...	10
Filament current (amps.)	75	*Amplification factor ...	10
Anode volts max. (D.C.)	15,000	*Impedance (ohms) ...	1,500

**Taken about anode volts* 15,000 *and anode current* 1.06 *amperes.*

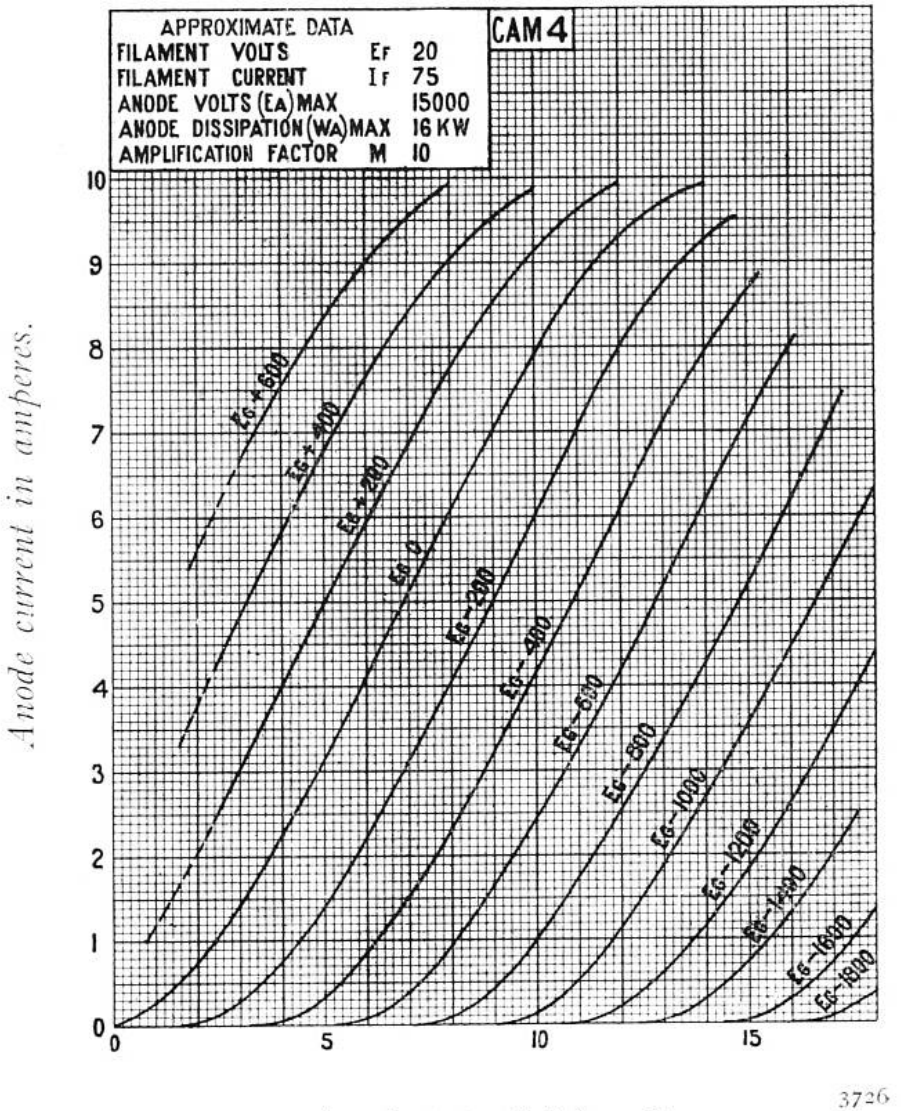
Code Word : IGHEF

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.



Anode potential in volts.

Characteristic Curves of Average Valve.

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