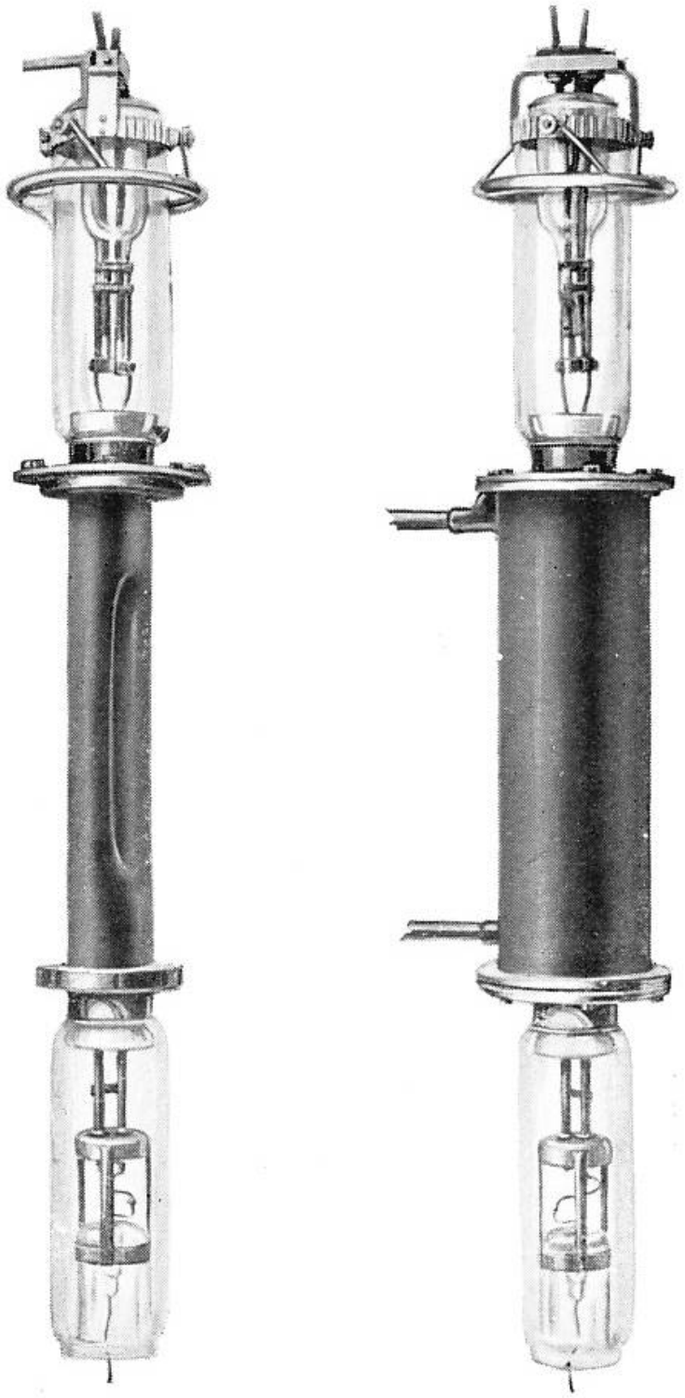
Rectifying Valve

TYPE C.A.R.2

(Cooled Anode)



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(*Approximate overall dimensions :* 900 × 125 *m/m.*)

A double ended rectifying valve in which the anode forms part of the valve envelope, designed for cooling by water circulated in direct contact with the anode. The rate of flow should not be less than 2 gallons per minute.

Input 1.0 ampere mean anode current when used in a rectifying circuit in which the ratio of peak space current to mean anode current does not exceed 4 to 1.

The maximum continuous anode dissipation is 5 kw.

Marked Volts. Individual valves are marked with the filament voltage which gives 4 amperes emission current at 90 per cent. saturation.

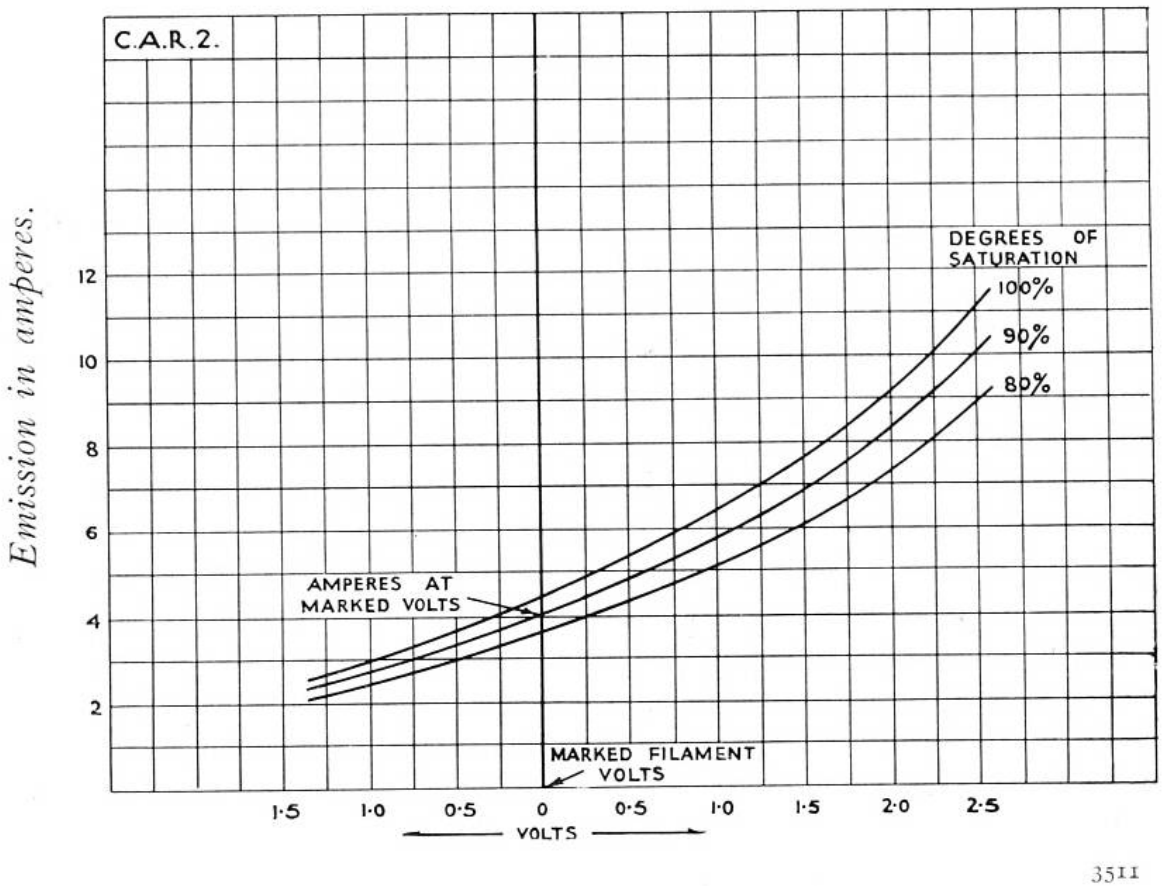
Approximate Data :

Filament volts	18—20	Emission (amperes)	4
Filament amperes	50	*Impedance (ohms)	150
Anode volts	15,000		

* *Taken about anode volts* 200.

Code Word : IVOPA

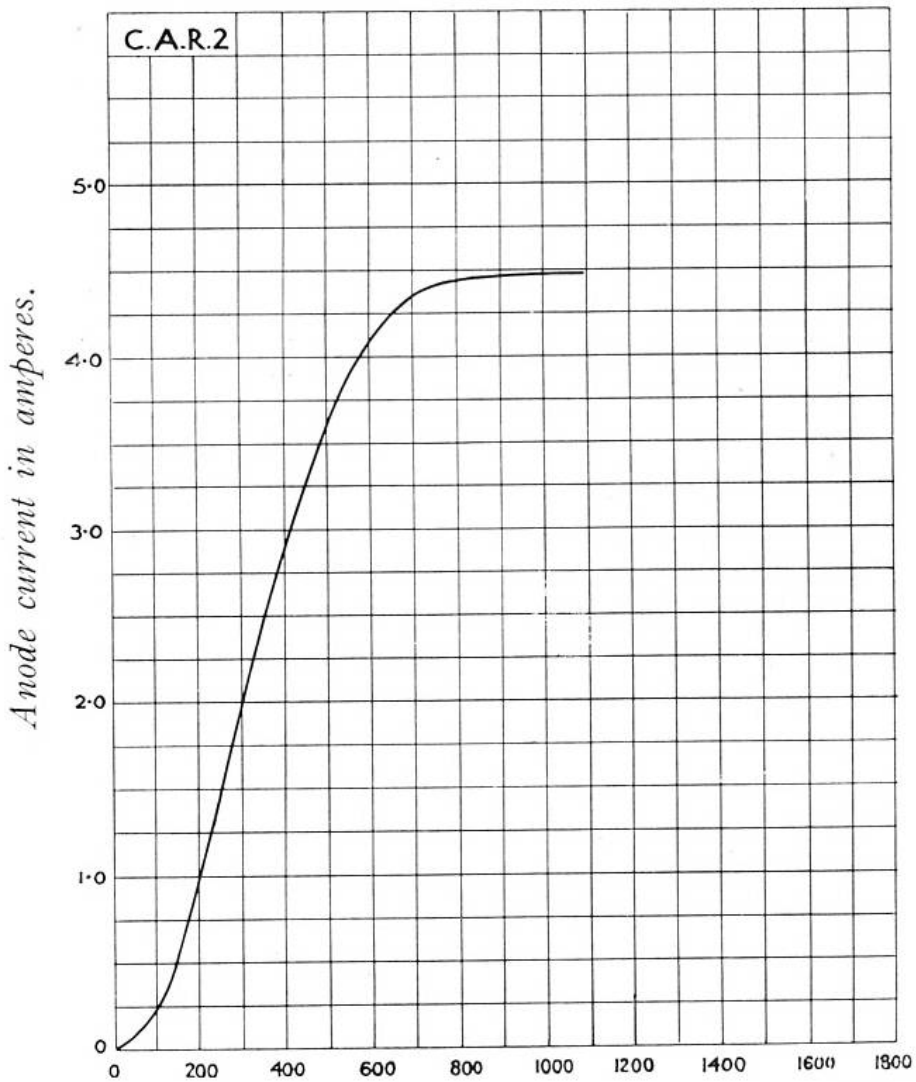
Variation of emission with filament volts as related to marked filament volts for various degrees of saturation of emission current.



Marked volts to be decreased by above amount.

Marked volts to be increased by above amount.

Filament at marked volts.



Anode potential in volts.

Characteristic Curves of Average Valve.

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