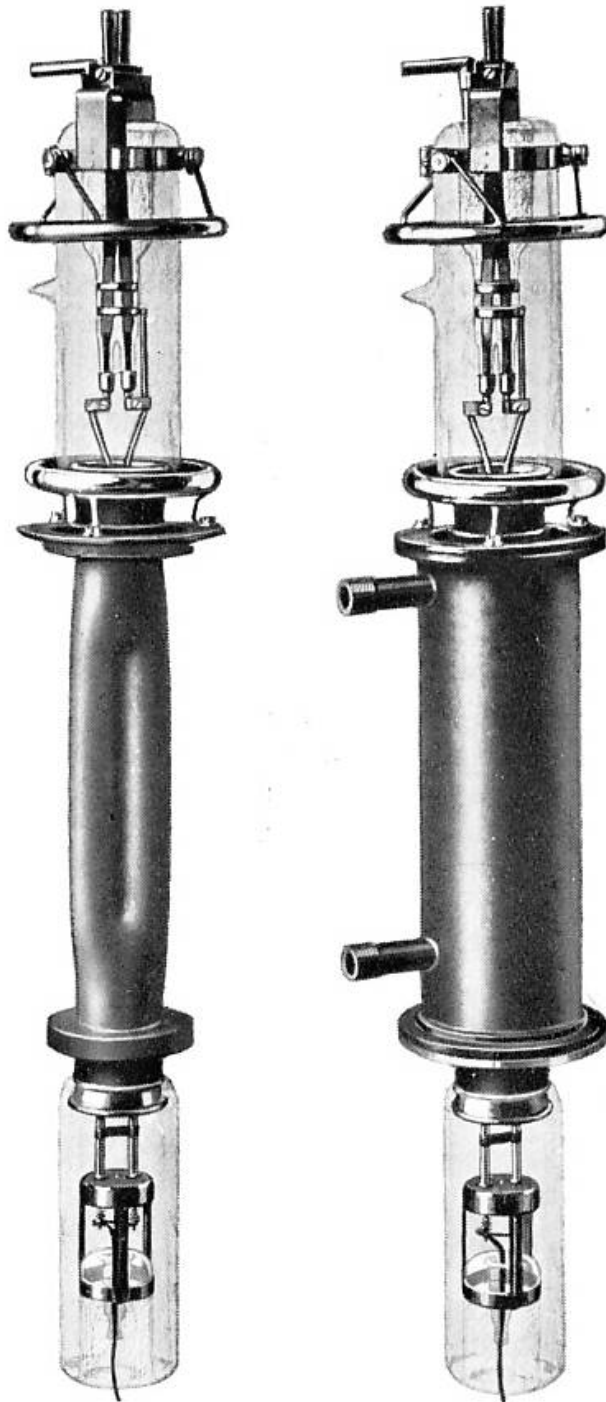


Rectifying Valve

TYPE C.A.R.4

(Cooled Anode)



3088

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

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

Normal output 2 amperes mean anode current at 12,000 volts, when used in a Bi-phase rectifying circuit in which a moderate degree of smoothing is employed.

Continuous anode dissipation permissible in operation 6 kw.

Marked Volts. Individual valves are marked with the filament voltage which gives 7 amperes emission current at 90 per cent. saturation.

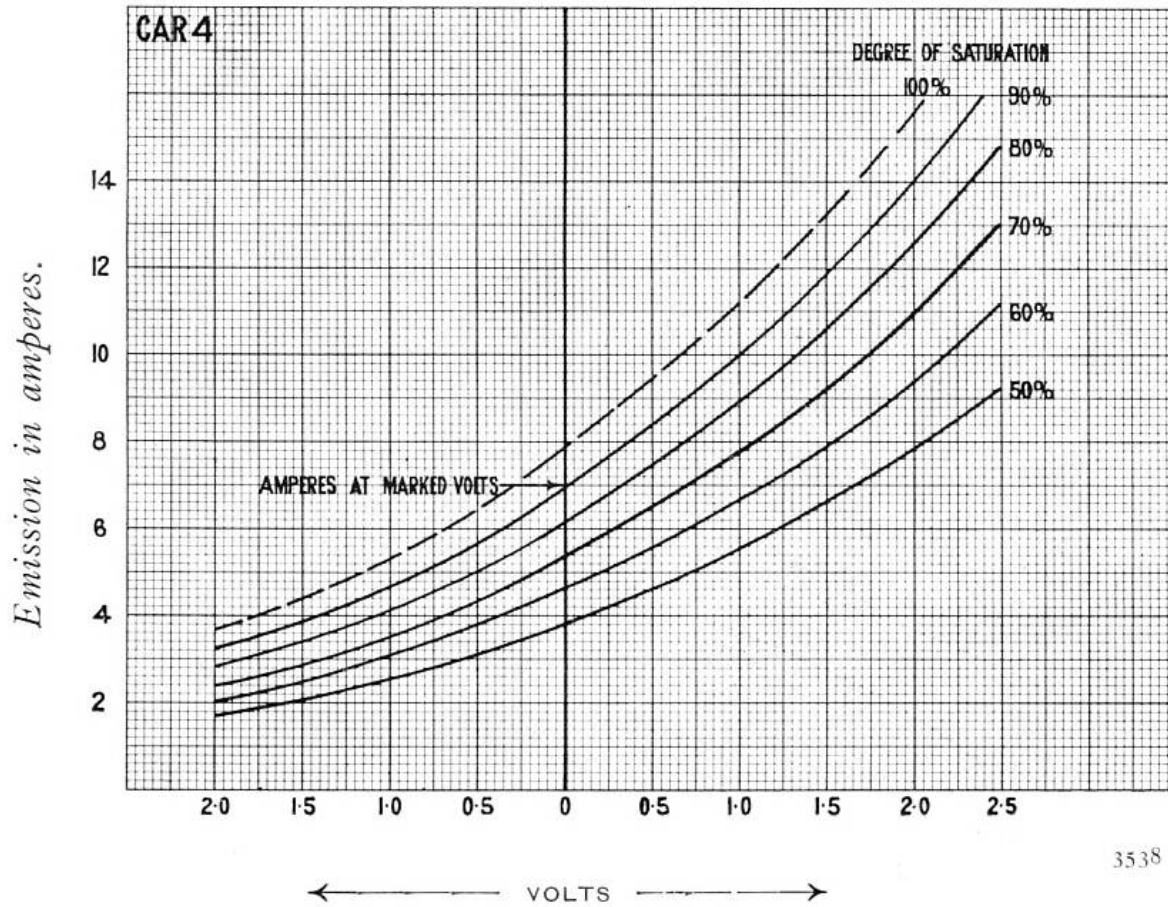
Approximate Data :

Filament volts	20.0	Emission (amps.) ..	7
Filament amperes	75.0	*Impedance (ohms) ..	100
Anode volts	10,000—15,000		

* Taken about anode volts 300.

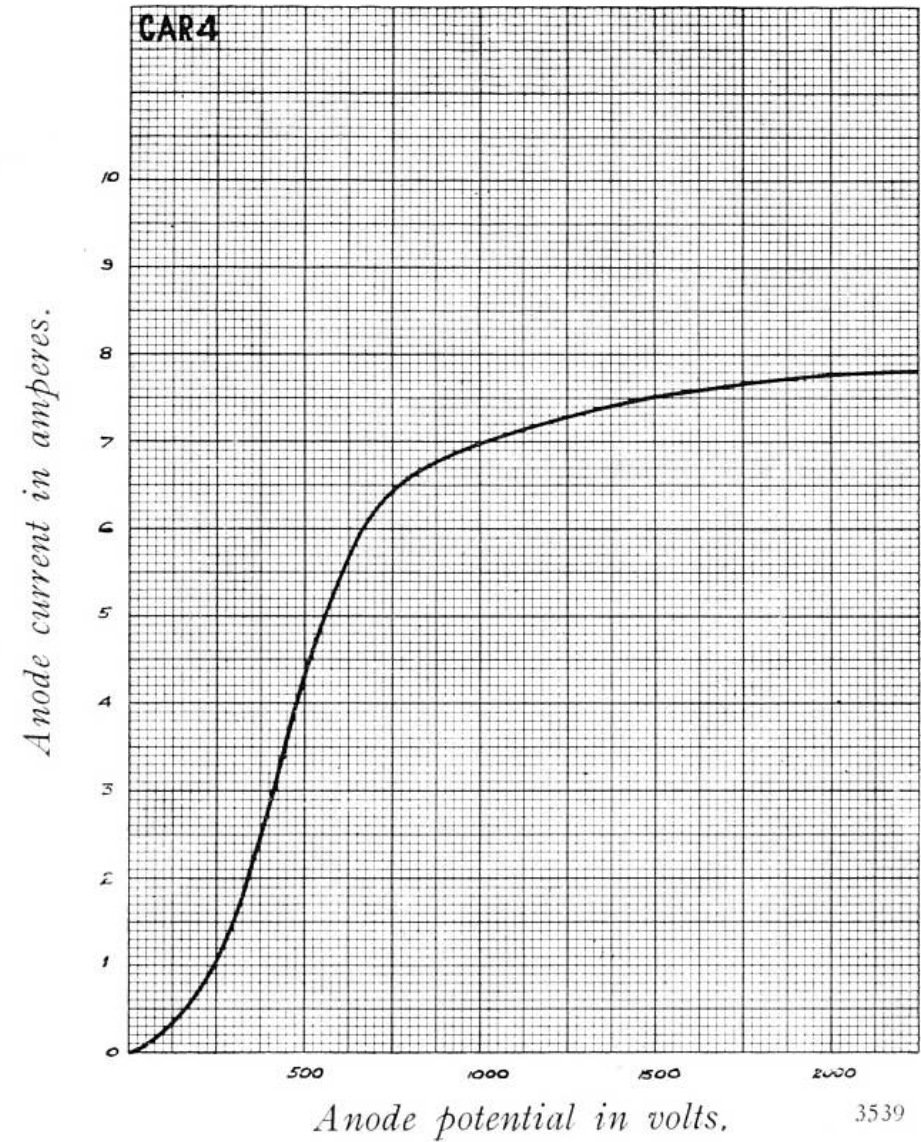
Code Word : IVORB

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.



Characteristic Curves of Average Valve.

TYPE C.A.R.4