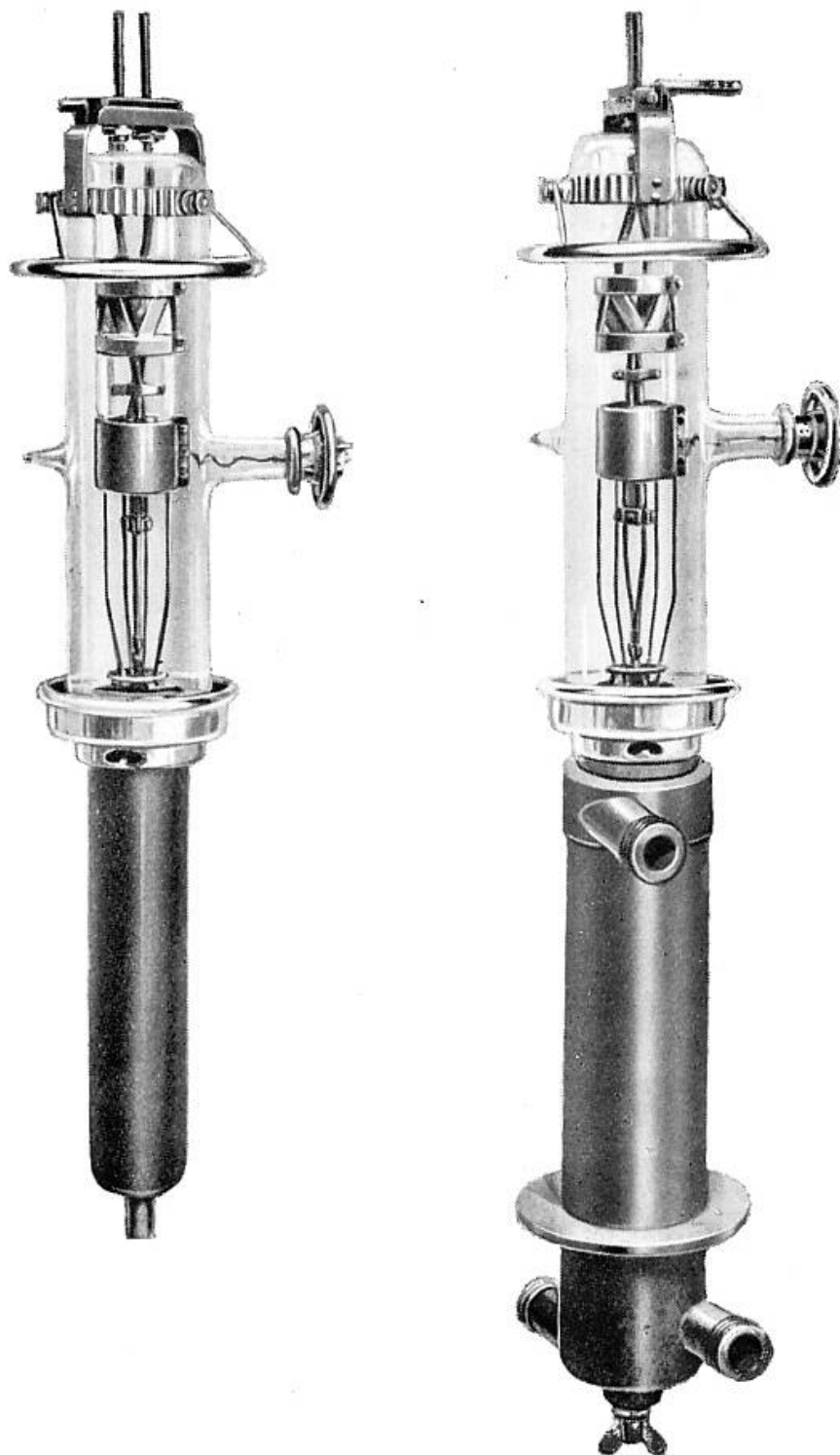


# Transmitting Valve

## TYPE C.A.T.I

(Cooled Anode)



(Approximate overall dimensions :  $620 \times 125 \text{ m/m.}$ )<sup>3083</sup>

A transmitting 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 liquid the rate of flow should not be less than 2 gallons per minute.

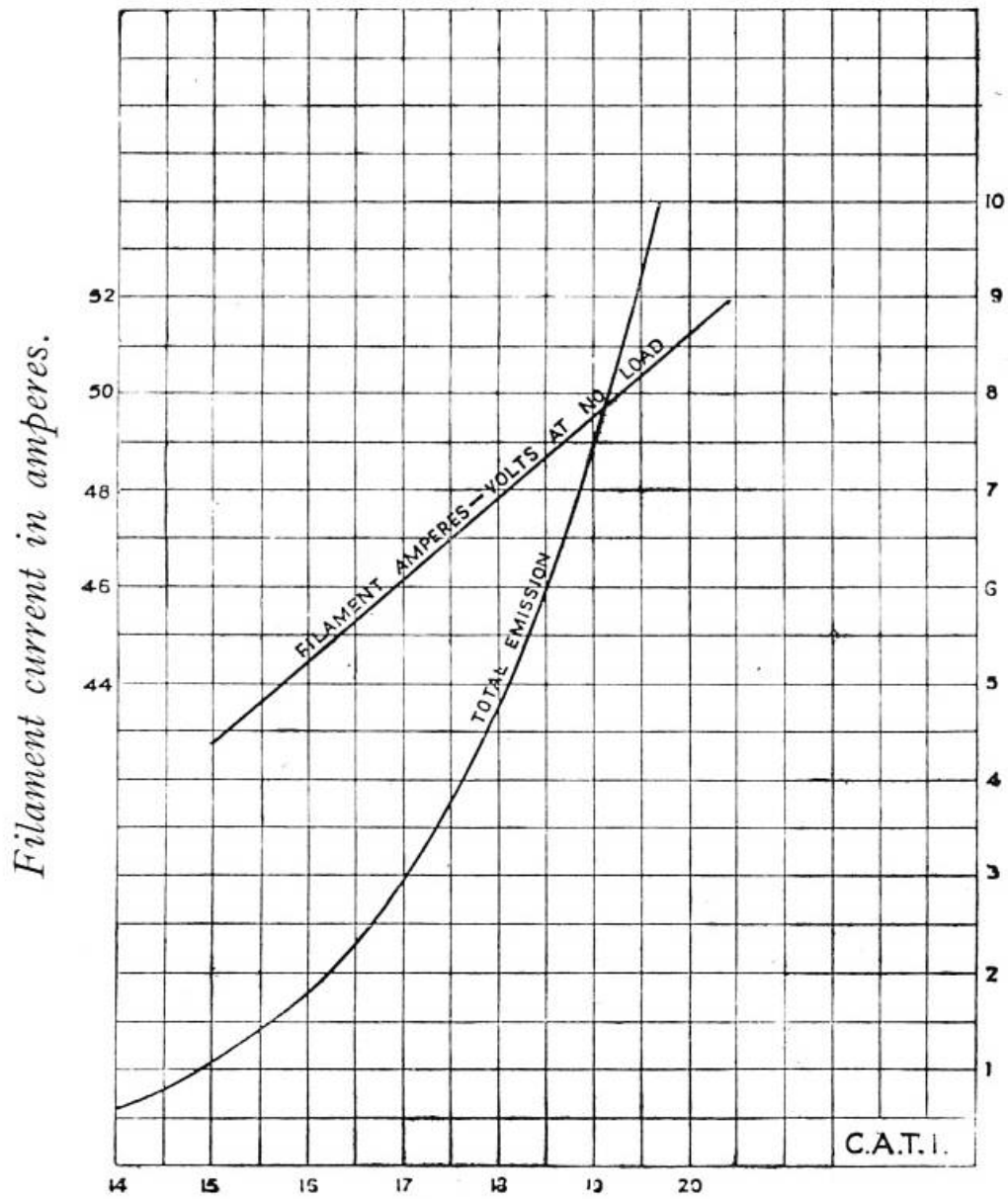
Conservatively rated at 10 kw. input at 10,000 volts under oscillating conditions on a telephonic load using anode voltage modulation and up to 15 kw. input at 12,000 volts on a telegraphic load.

### Approximate Data :

Filament volts .. ..	18—20	Total emission (amperes)	5—9
Filament amperes .. ..	50	*Impedance (ohms) ..	15,000
Anode voltage	10,000—12,000	*Amplification factor ..	75

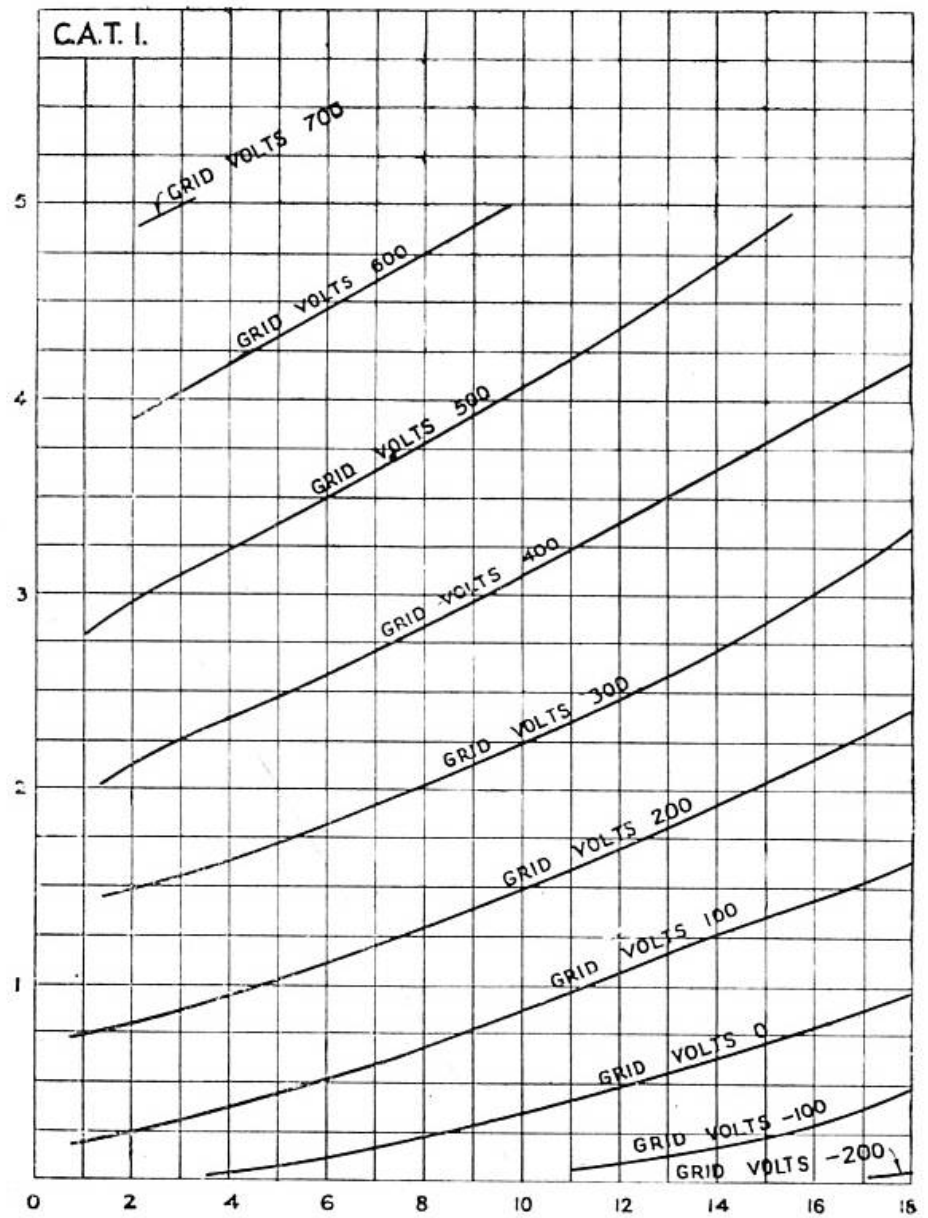
\* Taken about anode volts 10,000 and grid volts 0.

Code Word : IVOAD



2682

Filament potential in volts.



2683

Anode potential in kilovolts.

Characteristic Curves of average Valve.

TYPE C.A.T. I