

Transmitting Valve

TYPE A.C.S.2

(Air-Cooled-Anode Dull Emitter Type).



(Approximate overall dimensions : 460×145 m/ms.)³⁸⁹⁶

A four electrode screen grid transmitting valve, in which the anode forms part of the envelope and is designed for air cooling. In operation free air circulation is essential.

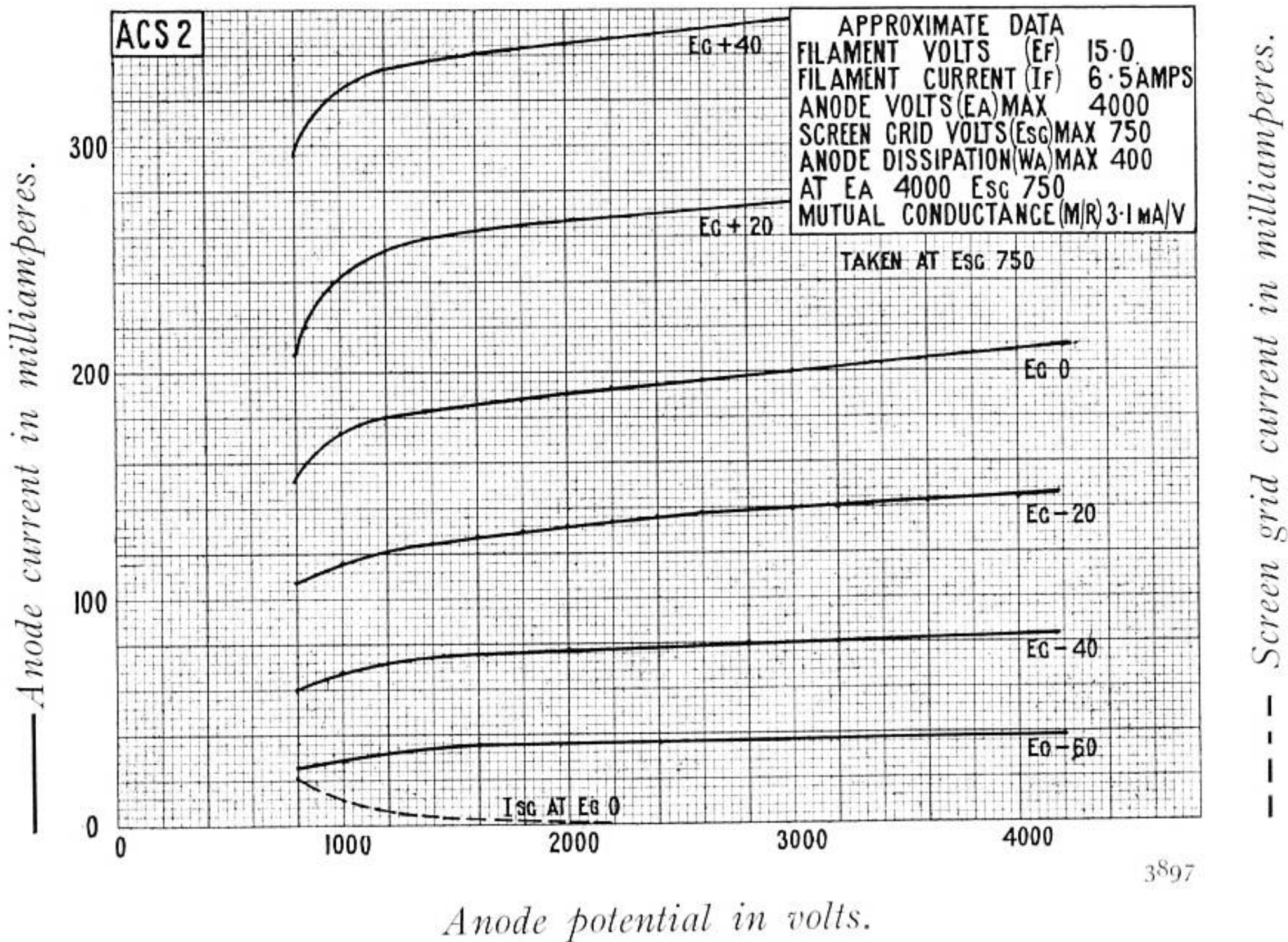
When used in a suitable circuit as an unmodulated Class C amplifying valve, at wavelengths not less than 100 metres, the normal input is 250 milliamperes mean anode current at 4,000 anode volts D.C. At lesser wavelengths the input must be reduced, and at 25 metres should not exceed 250 milliamperes mean anode current at 3,000 anode volts D.C. The maximum permissible anode dissipation under oscillating conditions is 400 watts.

The screen potential should not exceed 750 volts D.C. and should be obtained direct from a D.C. voltage supply or from a suitably designed potentiometer, and not through a series resistance from the anode supply. The D.C. screen current should not exceed 40 milliamperes.

Approximate Data :

Filament volts	15.0	Screen volts max. ..	750
Filament amperes	6.5	*Mutual conductance (Ma/v.)	3.1
Anode volts max. (D.C.) ..	4000		

* Taken about anode volts 4,000, screen grid volts 750, and anode current 100 milliamperes.



Characteristic Curves of Average Valve.

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