COSSOR 402 P.

40-VOLT ·2 AMP. INDIRECTLY HEATED TRIODE

The Cossor 402 P. is an indirectly heated output Triode of the super power class, designed for series running as in A.C./D.C. receivers. In common with others of the same Cossor range it requires a heater current of ·2 amp., the approximate heater voltage being 40 volts.

The valve is designed for a maximum anode voltage of 200 volts since, in general, no greater voltage can be obtained in the type of receiver for which it is intended, but for other applications this voltage must not be exceeded, while the maximum anode dissipation is 8 watts.

In many circumstances the anode voltage will be of the order of 150 volts and under these conditions the undistorted output available is adequate for domestic purposes.

The Cossor 402 P. has the 7–pin base standard to the range, although only 4-pins are actually used. The control grid is connected to the top cap with a view to avoiding the introduction of A.C. hum which might be present with so sensitive a valve.

TECHNICAL DATA

Heater Voltage (approx.)		40
Heater Current (Amps.)		·2
Mutual Conductance	7·5 m.a./v.	At
Impedance (ohms)	1330	Va 100
Amplification Factor	10	Vg 0
Maximum Voltage		200
Grid Bias (Anode Volts 150)		−9·5 v.
Anode Current for 150 Anode Volts and −9·5 volts Grid Bias		30 m.a.
Optimum Load (ohms)		2,000–2,500