

COSSOR D.V.S.G.

16-VOLT ·25 AMP. MAINS INDIRECTLY HEATED VARIABLE MU SCREENED GRID

This valve is a special type of indirectly heated D.C. Mains screened grid valve, having variable-mu characteristics giving important advantages over ordinary types. The valve is so constructed that variation of grid bias permits what is unquestionably the most efficient form of volume control; this system is very convenient and has no adverse effect upon tuning or quality.

As a variation in bias causes a variation in screen current, the screening grid should be fed by some form of potentiometer of correct value to keep the voltage appreciably constant.

TECHNICAL DATA.

For H.F. Amplification with Bias Volume Control.

Heater Voltage	16
Heater Current (Amps.)	0·25
Maximum Anode Voltage	200
Maximum Screen Voltage	100
Mutual Conductance	2·8 m.a./v. at	$\left\{ \begin{array}{l} \text{Va. } 200 \\ \text{Vsg. } 80 \\ \text{Vg. } 0 \end{array} \right.$
Mutual Conductance	2·5 m.a./v. at	$\left\{ \begin{array}{l} \text{Va. } 200 \\ \text{Vsg. } 80 \\ \text{Vg. } -1·5 \end{array} \right.$
Anode Current at Anode Volts 200, Screen Volts 80 and G.B. — 1·5	7·5 m.a.
Grid Bias (variable)	— 1·5 to — 35 volts

