

# TYPE V.P.4

# MULLARD MULTI-MU SCREENED PENTODE

### OPERATING DATA.

Heater Voltage ... .. 4.0 V.  
 Heater Current ... .. 1.0 A.  
 Max. Anode Voltage ... 200 V.  
 Max. Auxiliary Grid Voltage 100 V.

### CHARACTERISTICS.

(At Anode volts 200; Auxiliary Grid volts 100; Control Grid volts -1.5)  
 Mutual Conductance ... 2.5 mA./V.  
 (At Anode volts 200; Auxiliary Grid volts 100; Control Grid volts -22).  
 Mutual Conductance ... .025 mA/V.

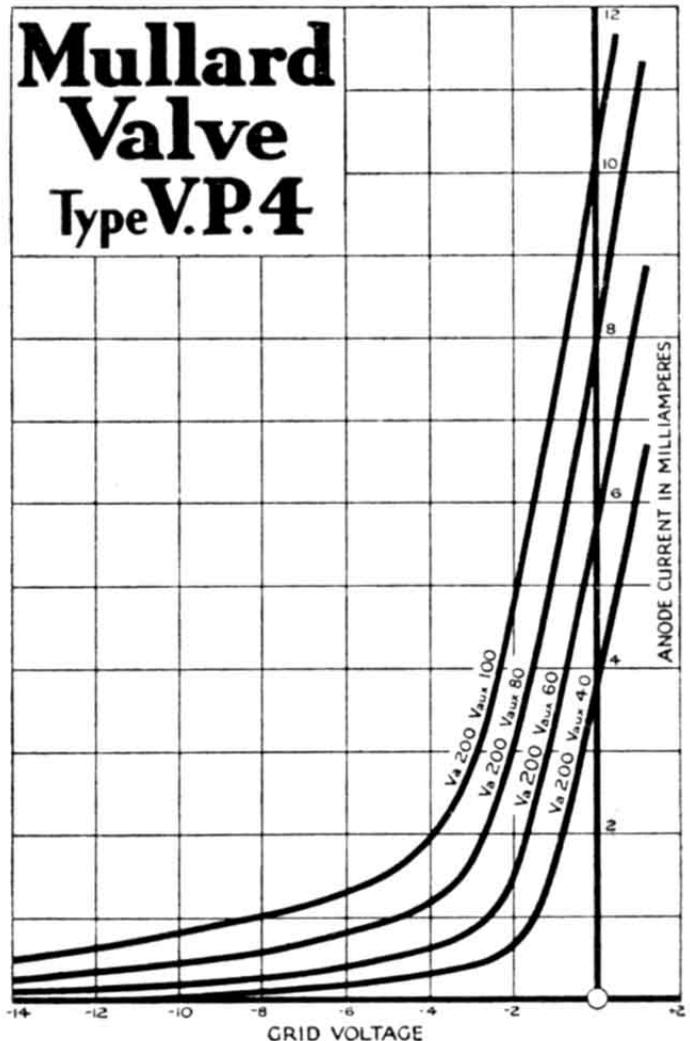
### APPLICATION.

**As high frequency amplifier** in A.C. mains receivers incorporating variable bias volume control. The high amplification factor of this valve ensures very large stage gains when the V.P.4 is used in conjunction with high impedance tuned couplings. By making provision for varying the grid bias, the valve may be operated at maximum sensitivity when weak signals are being received, and at lower sensitivity on strong signals. Type V.P.4 can be used in any A.C. mains receiver now employing screened grid valves in the H.F. stages.

### GRID BIAS AND AUXILIARY GRID VOLTAGE.

Recommended arrangements for self-biasing and for obtaining the correct auxiliary grid voltage are given in Fig. 2 on page 55 of the Technical Appendix.

This valve can be supplied with metallised bulb only.



**PRICE 17/6**



**Mullard**  
**THE MASTER VALVE**

