

## MARCONI VALVES

### TYPE U 5

#### FULL WAVE RECTIFYING VALVE

An entirely new departure in rectifying valves since it incorporates a double electrode system in one bulb, providing rectification of both halves of the Alternating Current wave. One of the principal advantages of this system is the substantial simplification which becomes possible in the design of the smoothing system. It is therefore particularly suitable for supplying all types of wireless receiving sets with H.T. from A.C. mains through a suitable smoothing circuit. The filament is designed for a long life with ample and constant emission throughout, when operated at its rated voltage.

The input A.C. voltage may be taken up to 400 + 400 volts (R.M.S.) and the rectified current should not exceed 60 milliamperes on a moving coil meter. Variation in output voltage should never be made by dimming the filament, but may be made as follows:—

1. By tappings in the transformer secondary.
2. By the use of high resistance in series with the output.
3. By the use of a potentiometer. In this case, however, the total current taken by the potentiometer and load must not be greater than 50 milliamperes.



*Approximate Dimensions,*  
135 m/m × 56 m/m.

Filament volts	...	...	...	...	...	...	5.0
Filament current	...	...	...	...	...	...	1.6 amps.
Anode volts (R.M.S.)	...	...	...	...	...	400 + 400 max.	
Impedance	...	...	...	...	...	...	300 ohms.
Max. rectified current	...	...	...	...	...	...	60 milliamperes.

Price, 20/-

*The valve in the purple box*