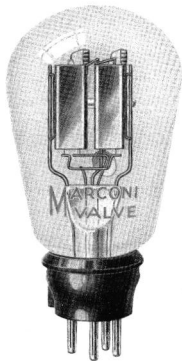


MARCONI VALVES

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TYPE U 8

DULL EMITTER, FULL WAVE RECTIFYING VALVE.



*Approximate Overall Dimensions,
145 x 62 m/m.*

Filament Volts..... 7.5 max.
Filament Current 2.4 amperes
Anode Volts, max. ... 500 + 500 R.M.S.
Impedance..... 150 ohms.
Rectified Current
120 milliamperes max.

Price, 22/6

The U 8 type valve is a dull emitter rectifying valve incorporating a dual electrode system in one bulb. Rectification of both half cycles of the A.C. wave is obtained when the valve is used in High Tension Battery Eliminators fed from A.C. mains, with a consequent simplification of the necessary smoothing system.

The input voltage to the anodes should not exceed 500 volts RMS, and the rectified current as measured on a moving coil meter should not exceed 120 milliamperes. The output of this valve when fed through suitable Power Amplifying valves is sufficient for the operation of Loud Speakers of the moving coil type, and may also be used for supplying the field current to suitably designed coils of the same instruments.

The filament voltage should not exceed 7.5 volts, and the output voltage should not be controlled by variation of the filament brilliancy. Attention to these details will ensure a long useful life.

Variation in output voltage may be obtained in the following manner.

1. By tapings on the transformer secondary
2. By the use of resistances in series with the output.
3. By the use of a potentiometer. The sum of the potentiometer and load currents must not exceed the maximum output current of 120 milliamperes.

The valve in the purple box