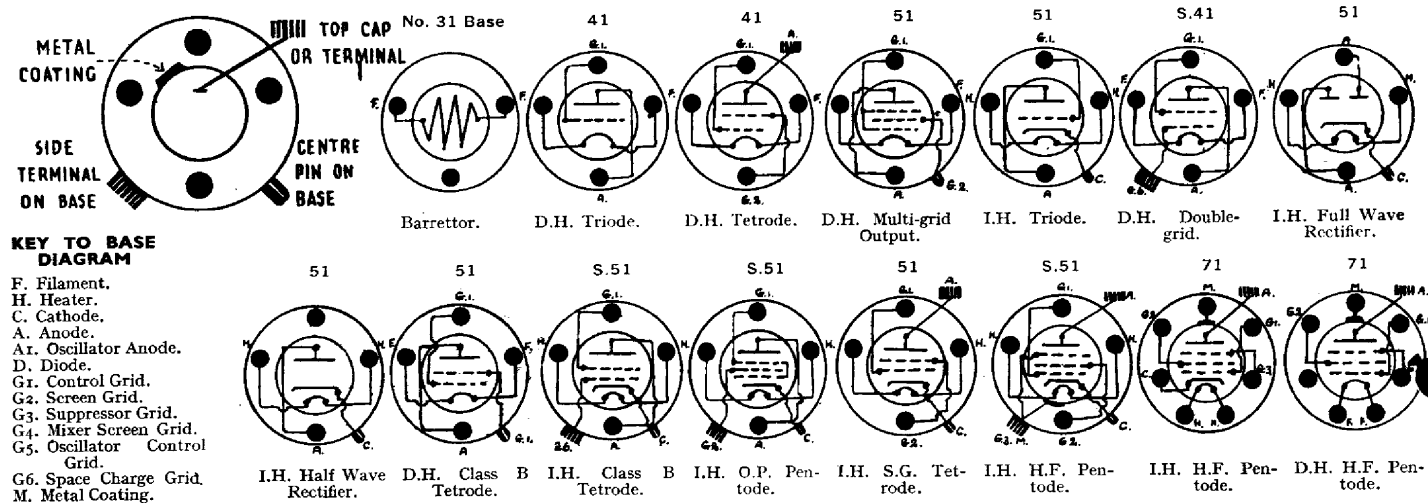


# TUNGSRAM

## reliability helps the service engineer

### DIAGRAMS INDICATING CONNECTIONS ON VALVE BASES OF MORE UNUSUAL TYPES



When ordering valves please refer to Base No. shown on top of diagrams.

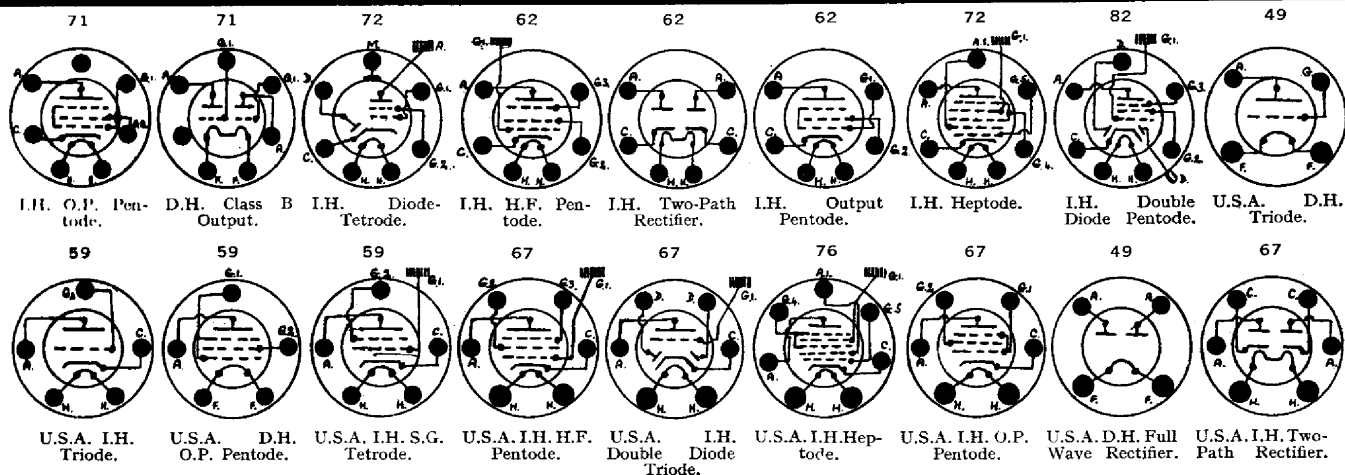
CONTINUED ON INSIDE BACK COVER

## AC/DC UNIVERSAL VALVE RANGE

Tungsramp Type No.	Use.	Filament Volts.	Filament Currents.	Impedance.	Amplification Factor.	Slope.	Undistorted Output.
R.2018....	Triode	20	0.18	13,000	40	3.5	—
G.2018....	Triode	20	0.18	7,000	25	3.0	—
P.2018....	Power	20	0.18	3,000	10	4.0	1.0
PP.2018	Small Multi-grid Output	20	0.18	7,000	80	2.6	1.4
PP.4018	Large Multi-grid Output	40	0.18	3,000	80	3.0	3.4
DG.2018	Class B Output Valve (to be used in pairs)	20	0.18	16,000 for a pair	—	—	7.0 for a pair
MH.1118	Heptode Frequency Changer	10	0.18	Impedance. —	—	—	(0.5 Conversion Conductance)
HP.1118	Variable Mu H.F. Pentode	10	0.18	1 meg.	1,650	1.65	—
HP.1018	H.F. Pentode	10	0.18	700,000	1,250	1.5	—
HP.2118	Steep Slope Variable Mu H.F. Pentode	20	0.18	1 meg.	2,000	3.0	—
HP.2018	Steep Slope H.F. Pentode	20	0.18	2 meg.	5,000	3.0	—
SS.2018	Steep Slope Tetrode	20	0.18	450,000	900	3.0	—
S.2018	Tetrode	20	0.18	333,000	450	1.5	—
SE.2018	V.M. Tetrode	20	0.18	V.M.	500	1.5	—
SE.2118	Steep Slope V.M. Tetrode	20	0.18	V.M.	700	3.0	—
Tungsramp Type No.	Use.	Filament Volts.	Filament Currents.	D.C. Output.	Maximum Applied R.M.S. Volts.		
V.2018....	Half Wave Rectifier	20	0.18	35 mA	250		
V.2118....	Half Wave Rectifier	20	0.18	75 mA	250		
PV.4018	Two-Path Rectifier	40	0.18	2 x 50 mA	220 (or 2 x 125) as voltage		
PV.3018	Two-Path Rectifier	30	0.18	2 x 50 mA	250 (or 2 x 125) doubler		
D.418	Single Diode	4	0.18	(Suitable for demodulation & A.V.C.)	100		
DD.818	Double Diode	8	0.18	(For demodulation & delayed A.V.C.)	100		

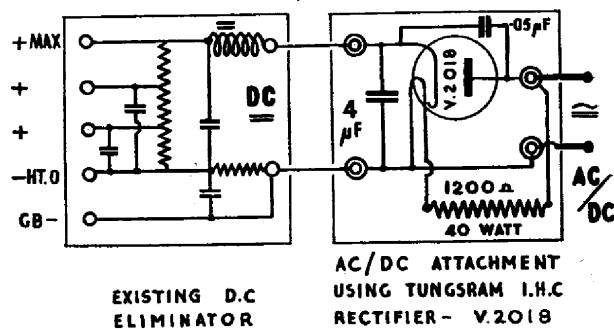
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quality means perfect satisfaction



## TO CONVERT A DC ELIMINATOR TO UNIVERSAL AC/DC OPERATION

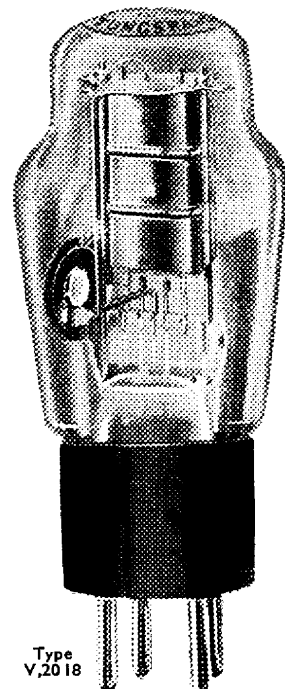
Due to the increasing amount of change-over from DC supply to AC, the best way to go about this problem is to convert to AC/DC by the simple means of utilising a Tungram Universal AC/DC. Indirectly Heated Rectifying Valve. The very simple attachment to an existing DC eliminator is shown in the diagram.



## COMPREHENSIVE RANGE OF 2VOLT BATTERY VALVES & AC TYPES

such as Heptodes, Double Diodes, H.F. Pentodes, 2 Path Rectifiers, etc.

MOST EXTENSIVE RANGE OF  
UNIVERSAL AC/DC VALVES  
AMERICAN TYPES ALSO AVAILABLE



# TUNGSRAM

TUNGSRAM ELECTRIC LAMP WORKS (GT. BRITAIN) LTD., 72, OXFORD STREET, LONDON, W.1.