AX 50 Full-wave gas-filled rectifying valve

The AX 50 is a full-wave gas-filled rectifying valve for use in __max.51 fairly large amplifier equipment.

FILAMENT RATINGS

Heating	: direct	by	-	Α.	C.							
												$V_f = 4$ V
Heater	current											$I_f = 3.75 A$

MAXIMUM RATINGS	
Secondary (A.C) voltage of the power	
transformer on no load $V_{tr} = \max_{t} 2 \times t$	$500~\mathrm{V}_{c\#}$
D.C. output $I_0 = \max 250$	mA
Voltage drop in the valve $V_{arc} = \max_{i} 15^{\circ}$	V
Permissible capacitance of capacitor	
across input of the smoothing circuit: $C = \max_{i} 64$	
When a capacitor is connected across the smoothing circuit	:
The ohmic resistance in the D.C.	
circuit, with $C=64 \ \mu \mathrm{F}$ R_t == min. 200	$_{ m ohms}$
with $C=32~\mu\mathrm{F}$ $R_{t}=\min_{t}~150$	$_{ m ohms}$
with $C=16 \mu \mathrm{F}$ $R_t = \mathrm{min.} 100 \mathrm{e}^{-1}$	$_{ m ohms}$

For the correct operation of this valve reference should be made to the notes on the AX 1.

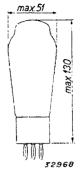


Fig. 1 Dimensions in mm.



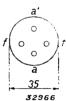
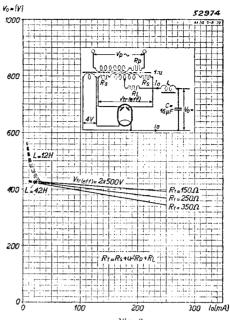
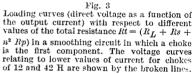


Fig. 2 Arrangement of base connections and electrodes.





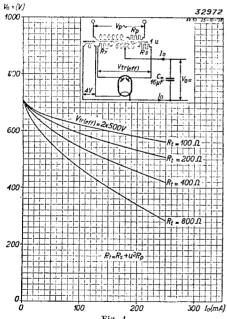


Fig. 4
Loading curves (direct voltage as a function of the output current) for different values of the total resistance $Rt = Rs + n^2 Rp$ in a smoothing circuit in which the first component is a capacitor.