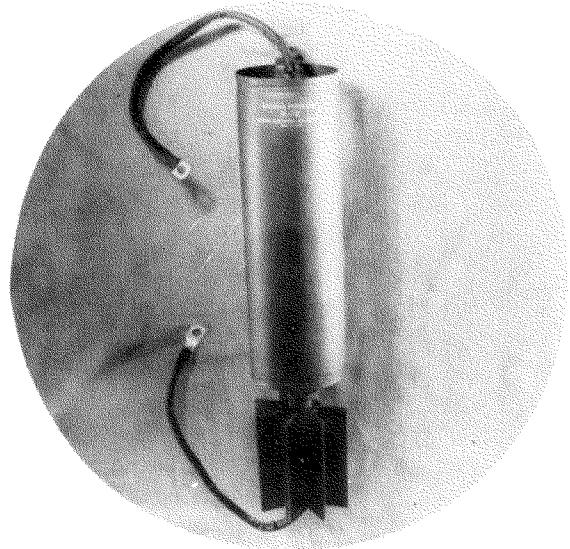


NL-732 THYRATRON TUBE

**30 Amperes dc – 225 Ampere peak
1500 Volts peak**

NATIONAL POWER TUBE NL-732 is a metal envelope thyratron designed especially for resistance welding and AC control applications. It is gas and mercury filled for quick starting and long life without circuit cushioning.



TECHNICAL INFORMATION

dc Amperes output (Maximum)	30	25
Instantaneous amperes output (Maximum)	160	225
Maximum time of averaging anode current (seconds)	30	
Maximum peak inverse volts	1500	
Maximum peak forward volts	1500	
★Condensed mercury temperature limits (°C)	—40 to +80	
Filament volts	2.5	
Filament amperes	55 ± 5	
Filament heating time (seconds)	180	
Typical arc drop at 100 amperes peak (volts)	12	
Grid control characteristics	See Curve	
Maximum negative grid voltage before conduction (volts)	500	
Maximum negative grid voltage during conduction (volts)	10	
Maximum critical grid current (microamps)	10	
Maximum dc grid current (amperes)	1	
Ionization time (approx., microseconds)	10	
Deionization time (approx. microseconds)	1000	
Anode to grid capacitance (uuf) (approx.)	4	
Maximum ac short circuit current (amperes)	2500	
Approx. temp. rise, cond. mercury above ambient (°C)	30	
Mounting position	Vertical, fin down	
Net weight (pounds)	7	
Approx. shipping weight (lbs.)	15	

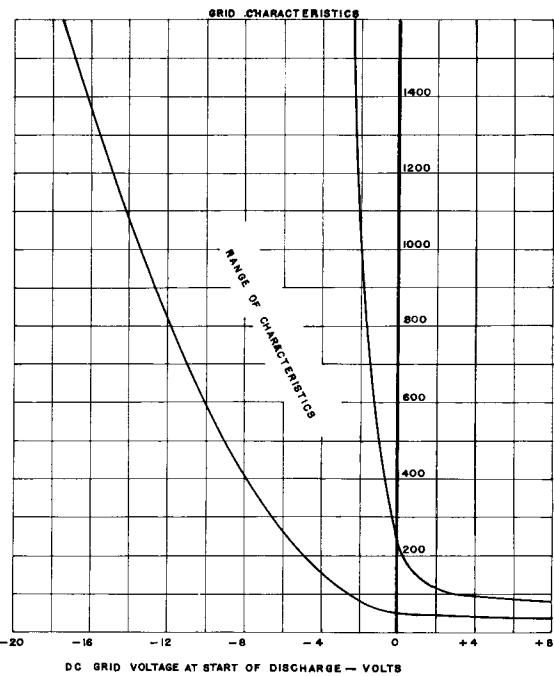
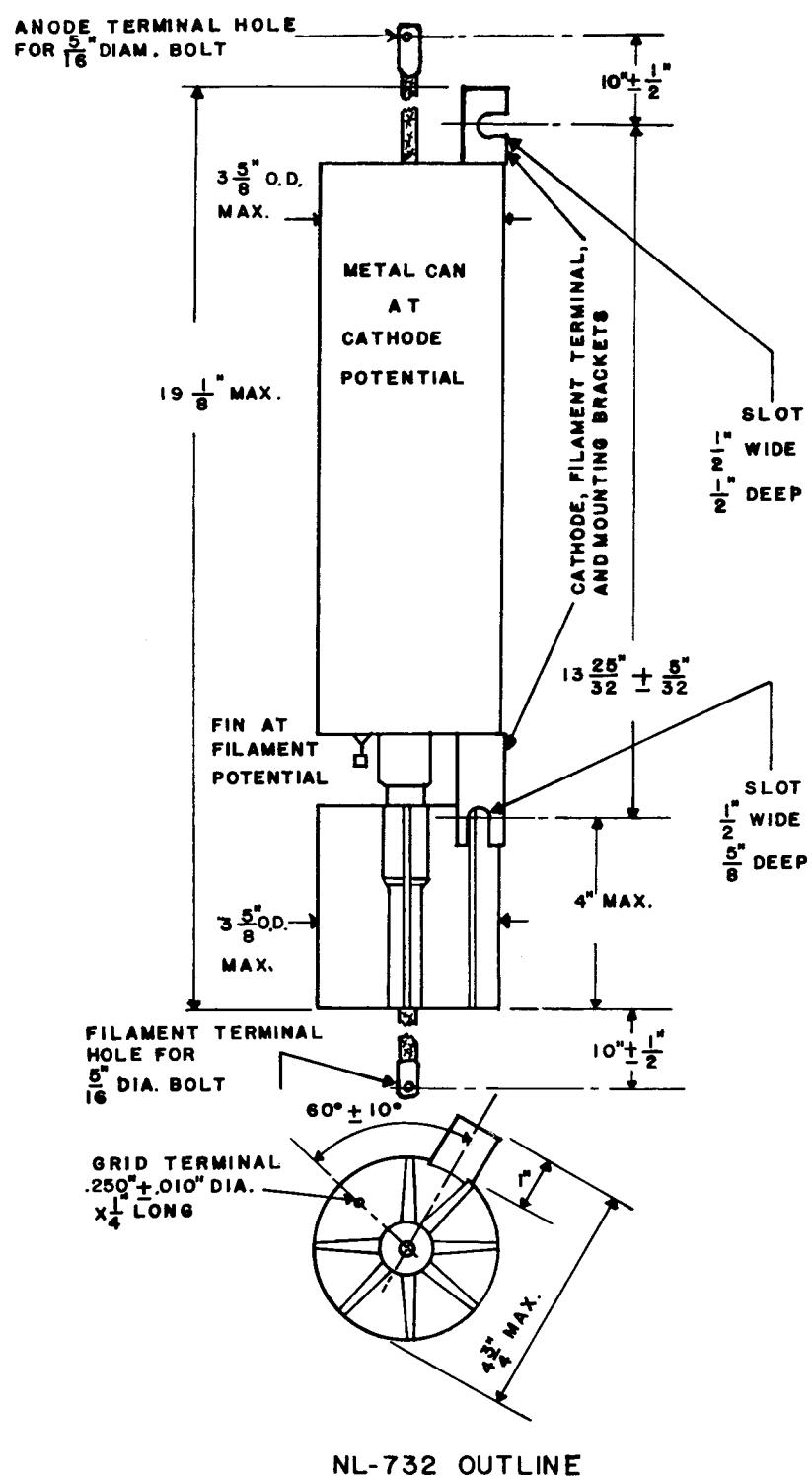
★The tube may be started and satisfactory operation will result between —40 and +80°C. For maximum life the condensed mercury temperature after warm-up should run between +40 and +80°C which corresponds to approximately +10 and +50°C ambient.

All data are based on returns to filament center tap or to tube bracket and with filament voltage phasing such that the lower filament terminal (lead) is positive when the anode is positive.

Printed in USA 11/57

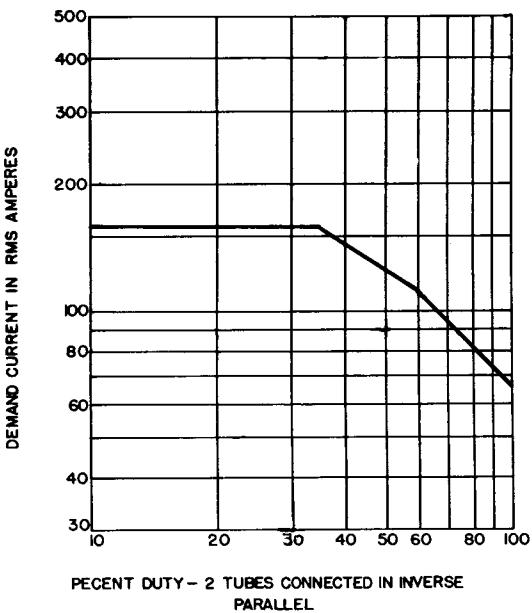
NATIONAL ELECTRONICS, INC.
GENEVA, ILLINOIS, U. S. A.

NL-732 THYRATRON TUBE



NL 732 GRID
CHARACTERISTIC CAN
RETURN FILAMENT
PHASING AS NOTED
IN DATA

WELDER RATING



NATIONAL ELECTRONICS, INC.
GENEVA, ILLINOIS, U. S. A.