

FEDERAL MERCURY VAPOR HALF-WAVE RECTIFIER Type F-266-B



GENERAL DATA

DESCRIPTION:

Federal's F-266-B is a mercury-vapor, half-wave rectifier for use in high-voltage rectifier circuits.

Electrical:

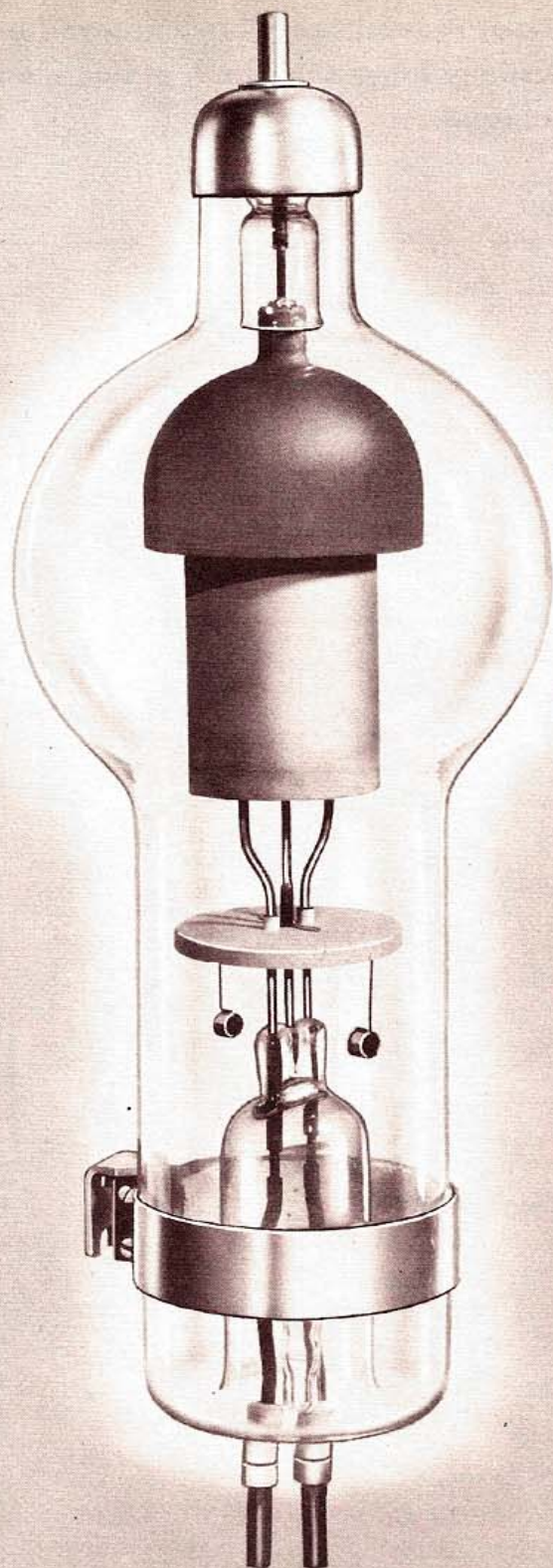
► Filament Voltage	5 Volts
► Filament Current	42 Amperes
► Cathode Heating Time Required	300 Seconds
► Anode Voltage Drop	15 Volts
► Critical Anode Voltage	100 Volts

Mechanical:

► Type of Cooling—	
Convection or Forced Air	
► Equilibrium Condensed Mercury	
Temperature Rise—	
(A) At Full Load, approx.	18° C
(B) At No Load, approx.	11.5° C
► Mounting Position—Vertical,	
filament end down	
► Net Weight, maximum	4.3 Pounds

Maximum Ratings, Absolute Values

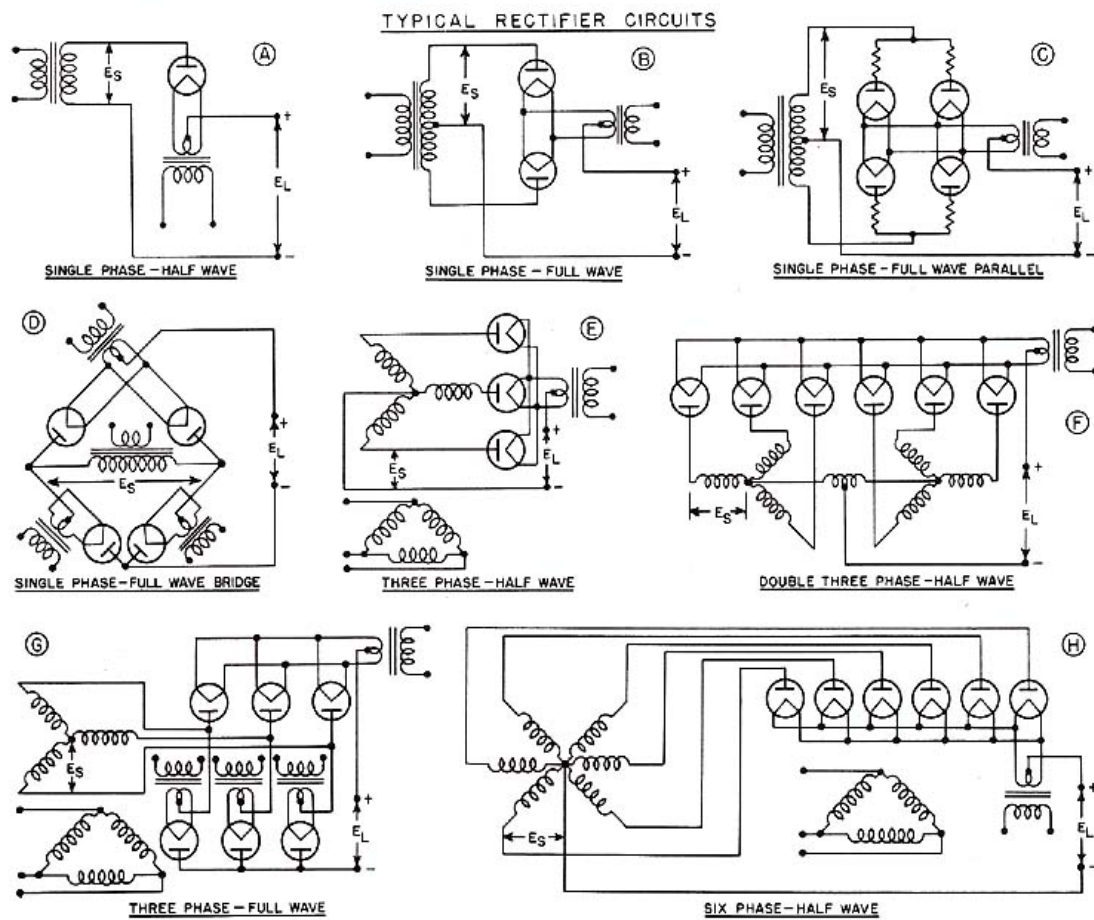
Max. Peak Inverse		
Anode Voltage	12,500	22,000 Volts
Condensed Mercury		
Temp. Limits	20 to 50	20 to 40° C
Maximum Cathode Current		
Peak	40	40 Amperes
Average	10	10 Amperes
Surge (Max. Duration		
0.2 Seconds)	200	200 Amperes
Maximum Averaging		
Time	60	60 Seconds
Maximum Frequency	150	150 Cycles
		per Sec.



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Since the very inception of the business, Federal tubes have enjoyed unusually large sales both at home and abroad.



Circuit	R.M.S Trans. Sec. Volt. (E_S)	DC Voltage to Filter (E_L)	Max. DC Load Current
A	15,500	7,000	10
B	7,750	7,000	20
C	7,750	7,000	40
D	15,500	14,000	20
E	9,000	10,500	30
F	9,000	10,500	60
G	9,000	21,000	30
H	7,750	10,500	60

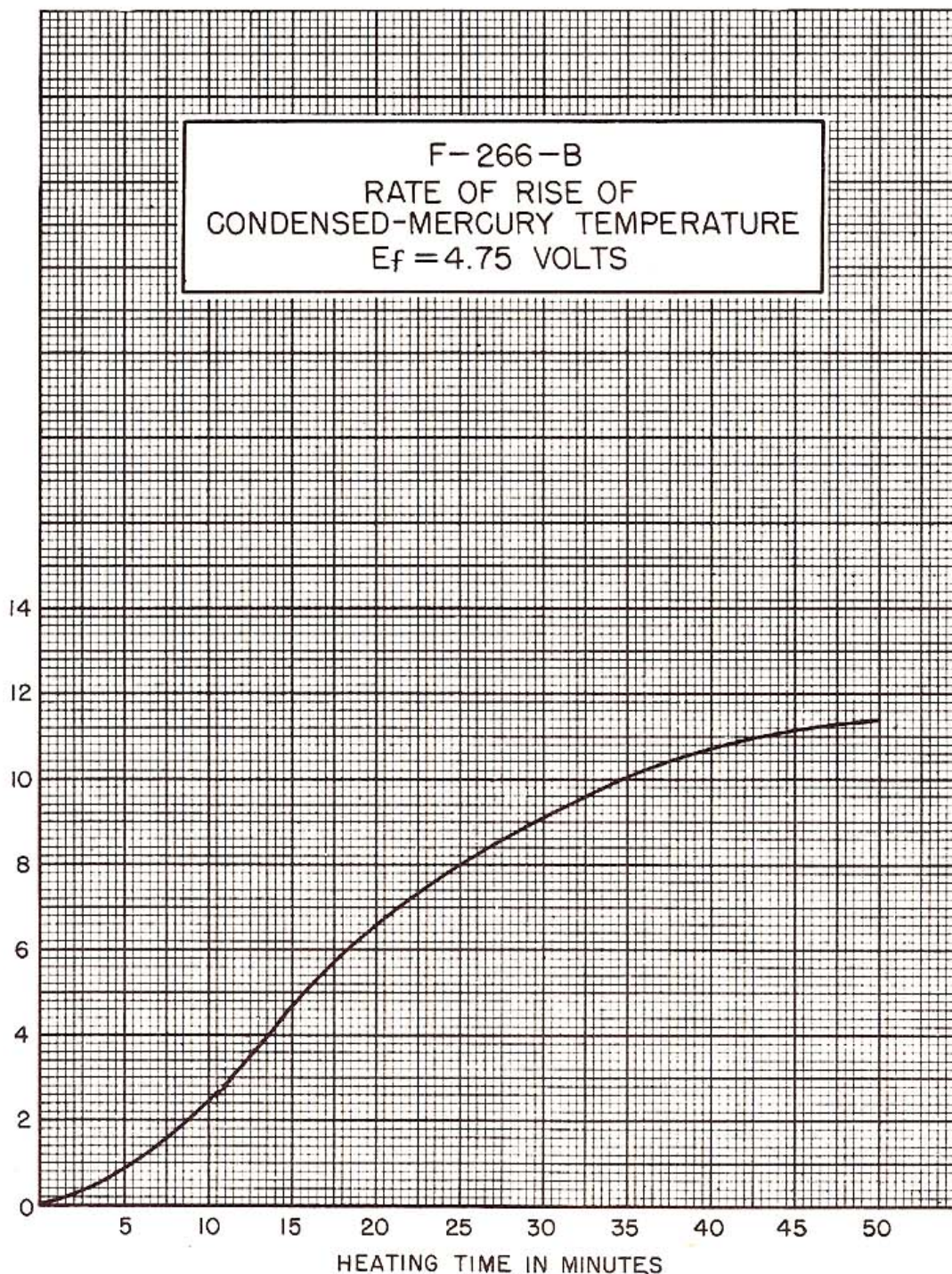
*For sine wave input and choke input filter to maintain output current substantially constant.

The international reputation won by Federal tubes is based on their superior performance in many applications, their economies, their long life.

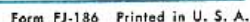
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CONDENSED-MERCURY TEMPERATURE RISE ABOVE AMBIENT IN DEGREES C



OUTLINE
F-266-B



100 Kingsland Road Clifton, New Jersey