

TABLE OF RATINGS AND CHARACTERISTICS
DUNLEE THORIATED FILAMENT VALVE TUBES
FOR OPERATION IN OIL

VR-3		VR-6	
Maximum Voltage	140 KvP	Maximum Voltage	140 KvP
Maximum Current	250 Ma. F.W.	Maximum Current	500 Ma. F.W.
FILAMENT:			
Voltage	6.0 V. Normal	Voltage	6.0 V. Normal
Wattage	25 Watts Approx.	Wattage	40 Watts Approx.
Current Range at 6.0 V.	4.1 to 4.5 Amps.	Current Range at 6.0 V.	6.1 to 6.5 Amps.
Heating Time	1 second approx.	Heating Time	1 second approx.
Voltage Variation	+ or - 0.5 V.	Voltage Variation	+ or - 0.5 V.
Filament Settings:			
6.0 Volts	250 Ma. F.W.	350 Ma. Peak	700 Ma. Peak
5.0 Volts	100 Ma. F.W.	150 Ma. Peak	350 Ma. Peak
4.5 Volts	0-50 Ma. F.W.	75 Ma. Peak	75 Ma. Peak

LIFE AT 6.0 VOLTS GREATER THAN 2000 HOURS

VR-8		VR-11	
Maximum Voltage	110 KvP	Maximum Voltage	150 KvP
Maximum Current	250 Ma. F.W.	Maximum Current	300 Ma. F.W.
FILAMENT:			
Voltage	6.0 V. Normal	Voltage	6.0 V. Normal
Wattage	25 Watts Approx.	Wattage	40 Watts Approx.
Current at 6.0 V.	4.1 to 4.5 Amps.	Current Range at 6.0 V.	6.1 to 6.5 Amps.
Heating Time	1 second approx.	Heating Time	1 second approx.
Voltage Variation	+ or - 0.5 V.	Voltage Variation	+ or - 0.5 V.
Filament Settings:			
6.0 Volts	250 Ma. F.W.	350 Ma. Peak	700 Ma. Peak
5.0 Volts	100 Ma. F.W.	150 Ma. Peak	350 Ma. Peak
4.5 Volts	0-50 Ma. F.W.	75 Ma. Peak	75 Ma. Peak

LIFE AT 6.0 VOLTS GREATER THAN 2000 HOURS

VR-19	
Maximum Voltage	110 KvP
Maximum Current	200 Ma. F.W.
FILAMENT:	
Voltage	4.0 V. Normal
Wattage	25 Watts Approx.
Current at 4.0 V.	6.5 to 6.9 Amps.
Heating Time	1 second approx.
Voltage Variation	For 100 Ma. + or - 0.5 V. For 200 Ma. + 0.5 - 0.3

LIFE AT 4.0 VOLTS GREATER THAN 2000 HOURS

DUNLEE CORPORATION

DUNLEE THORIATED FILAMENT VALVE TUBES (CONT.)

VR-22

Maximum Voltage	200 KvP
Maximum Current	50 Ma. F.W.
FILAMENT:	
Voltage	4.0 V. Normal
Wattage	25 Watts Approx.
Current Range at 4.0 V.	6.5 to 6.9 Amps.
Heating Time	1 second approx.
Voltage Variation	+ or - 0.5 V.
Filament Settings:	
4.0 Volts	50 Ma. F.W. 100 Ma. Peak
3.5 Volts	10 Ma. F.W. 35 Ma. Peak
(Air Insulated to Half-Voltage)	

LIFE AT 4.0 VOLTS
GREATER THAN 2000 HOURS

VR-23N

Maximum Voltage	140 KvP
Maximum Current	500 Ma. F.W.
FILAMENT:	
Voltage	6.0 V. Normal
Wattage	40 Watts Approx.
Current Range at 6.0 V.	6.5 to 6.9 Amps.
Heating Time	1 second approx.
Voltage Variation	+ or - 0.5 V.
Filament Settings:	
6.0 Volts	500 Ma. F.W. 700 Ma. Peak
5.0 Volts	200 Ma. F.W. 350 Ma. Peak
4.0 Volts	0-50 Ma. F.W. 75 Ma. Peak

LIFE AT 6.0 VOLTS
GREATER THAN 2000 HOURS

DUNLEE TUNGSTEN FILAMENT VALVE TUBES FOR OPERATION IN OIL

VR-4H

Maximum Voltage	140 KvP
Maximum Current	500 Ma. F.W.

FILAMENT CHARACTERISTICS:

8.0 Volts	0-to 50 Ma. Continuous	11.5 Approx. amps.
9.5 Volts	200 Ma. Full Wave Intermittent	12.8 Approx. amps.
10.5 Volts	500 Ma. Full Wave Intermittent	13.7 Approx. amps.

VR-7

Maximum Voltage	140 KvP
Maximum Current	500 Ma. F.W.

FILAMENT CHARACTERISTICS:

10.0 Volts	0-50 Ma. Continuous	11.4 Approx. amps.
10.2 Volts	100 Ma. F.W.	11.6 Approx. amps.
10.5 Volts	200 Ma. F.W.	11.8 Approx. amps.
10.9 Volts	300 Ma. F.W.	12.0 Approx. amps.
11.2 Volts	400 Ma. F.W.	12.3 Approx. amps.
11.5 Volts	500 Ma. F.W.	12.5 Approx. amps.