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**8 cm Filament Cathode / Filament Neutralizer DC Source Checkout**

These data are representative of a 8 cm FC/FN source with standard grids. Actual run data will vary with specific system conditions.

These data are for general information purposes only.

Gas Flow	Gas Type	Chamber Pressure	Cathode	Discharge		Beam		Accel		Neutralizer		Probe	Beam Profile Data file
			Heater	Current	Voltage	Current	Voltage	Current	Voltage	Heater	Emission	Distance	
[sccm]		[x10 <sup>-4</sup> Torr]	[A]	[A]	[V]	[mA]	[V]	[mA]	[V]	[A]	[mA]	[cm]	
5.0	Argon	2.6	4.50	0.70	55.0	0	0	0	0	4.00	30	WARM UP 10 min	
Beam On - Envelope test													
5.0	Argon	2.6	3.56	0.09	55.0	25	100	5	500	4.06	31		
5.0	Argon	2.6	3.83	0.18	55.0	50	100	10	700	4.43	63		
5.0	Argon	2.6	3.54	0.09	55.0	25	500	2	200	4.05	31		
5.0	Argon	2.6	3.82	0.17	55.0	50	500	4	350	4.37	63		
5.0	Argon	2.6	4.00	0.26	55.0	75	500	6	500	4.57	94		
5.0	Argon	2.6	4.11	0.35	55.0	100	500	7	700	4.72	125		
5.0	Argon	2.6	3.52	0.08	55.0	25	750	2	150	3.94	31		
5.0	Argon	2.6	3.80	0.16	55.0	50	750	3	200	4.26	63		
5.0	Argon	2.6	3.98	0.27	55.0	75	750	5	250	4.47	94		
5.0	Argon	2.6	4.12	0.26	55.0	100	750	7	350	4.63	125		
5.0	Argon	2.6	4.22	0.44	55.0	125	750	8	500	4.79	157		
5.0	Argon	2.6	3.49	0.07	55.0	25	1000	2	100	3.88	32		
5.0	Argon	2.6	3.77	0.16	55.0	50	1000	3	100	4.22	63		
5.0	Argon	2.6	3.97	0.25	55.0	75	1000	4	100	4.45	94		
5.0	Argon	2.6	4.13	0.35	55.0	100	1000	6	150	4.62	125		
5.0	Argon	2.6	4.24	0.44	55.0	125	1000	9	200	4.77	156		
5.0	Argon	2.6	4.33	0.54	55.0	150	1000	10	300	4.90	188		
5.0	Argon	2.6	4.40	0.61	55.0	175	1000	10	500	5.02	218		
5.0	Argon	2.6	3.46	0.07	55.0	25	1250	3	100	3.89	31		
5.0	Argon	2.6	4.07	0.33	55.0	100	1250	6	150	4.64	125		
5.0	Argon	2.6	4.29	0.51	55.0	150	1250	8	250	4.90	188		
5.0	Argon	2.6	4.37	0.60	55.0	175	1250	9	350	5.01	219		
5.0	Argon	2.6	4.45	0.70	55.0	200	1250	11	500	5.14	250		
Total Time on source:				min.									