

### Specificaion of Biosafety Cabinet Class 2, Type A2

S.N	Parameters	Technical Specifications	Remarks
1	Usage	To provide safety while working with microorganisms in a controlled environment	
2	Noise Level	Less than 60 db	
3	Illumination	Fluorescent light illumination greater than 800 lux on work table	
4	Type	Class II, Type A2	
5	Table	Stainless steel sheet table of SS-304 grade	
6	HEPA Filters	Glass plated non woven fabric filter having 99.97% efficiency for 0.3 micro particles size	
7	Blower Assembly	Centrifugal lubricated bearing type ISI marked assembly	
8	Control Panel	Membrane type soft touch key pad	
9	Construction Material	Industrial grade M.S./S.S.	
10	Per Filters	Washable pre-filter unit	
11	Air Flow	Unidirectional	
12	Added features	Gas/air/vacuum line cock	
13	Size of working area	Internal Dimension: Minimum 3.5 ft (L) x 2.0 ft (W)	
14	Other Features	Front door should be made of acrylic, vertical sliding, fully automatic	
		UV lamp should be in working zone (40 micro watts/ square cm at 254 nm or better)	
		Should have Switches & Electrical sockets outlets for 15/5 amp.	
		Should have Pressure Monitors indicate pressure drop	
15	Power Supply	Exhaust blower should be capable for 30% exhaust 70% circulation interconnected with supply air blower system and should only start when the negative pressure.	
		220 VAC, 50 Hz	
		Should submit ISO and CE or USFDA approved product certificate at the time of bidding	
		Must provide user training on how to use the equipment	
		Supplier must ensure corrective/breakdown maintenance whenever required during warranty period.	
		Installation and demonstration should be done by suppliers	
		Should provide user manual in English	
Should provide service manual in English			
17	Terms and Conditions	Should provide comprehensive warranty for 2 years or as provided by OEM whichever is greater after the date of installation	
		Date of manufacture should not be more than 2 years at the time of delivery	
		Should submit certificate of calibration and inspection at the time of delivery	
		Brand new	