

SN	LAMINAR AIR FLOW BENCH SPECIFICATION
1	Description of Function
1.1	Laminar Flow benches are used for high product protection with particle free laminar air flow when processing products requiring large free space for manipulation.
2	Operational Requirement
2.1	System should have vertical direction of air flow.
2.2	Cleanliness should be Class 100/ISO Class 5
3	Technical Specifications
3.1	Outer Body should be made of SS 304 (dimensions 1200L x 600W x 600H mm) with satin finish.
3.2	HEPA filters with 99.97% efficiency for particles 0.3 micron (H14 class according to ENI 822)
3.3	Should have high efficient pre-filter.
3.4	Should be fitted with UV lamp 30 watts
3.5	Should have stainless steel perforated working platform 16 gauge ss, type 304 and side walls should be uv absorbing tempered glass of 5 mm, transparent vacuum pump outlet connection of stainless steel.
3.6	Working area should be illuminated by fluorescent tubes ,>1200 lux fitted to the unit.
3.7	High-speed centrifugal blower with lifetime lubricated
3.8	Noise level should be <65dBA
3.9	Average air flow velocity should be 0.45 m/s (90 fpm) at initial setpoint
3.10	On site installation and appropriate certificate to be provided
3.11	On/Off switch with key lock should be provided.
3.12	Gas connection and power outlets of stainless steel should be provided in the cabinet