

## VERTICAL LAMINAR AIR FLOW

### TI - 51 SERIES

“Tempo” make laminar flow cabinet is a carefully enclosed bench designed to prevent contamination of semiconductor wafers, biological samples, or any particle sensitive materials. Air is drawn through a pre and HEPA filter and blown in a very smooth, laminar flow downwards. Due to the direction of air flow, the sample is protected from the user.

#### Construction:

##### Motor system

- Backward Curved Centrifugal fans.
- low noise.

##### Filert system

- Pre-filter- Efficiency-EU – 5 rating, Efficiency: 95% down to 5 micron
- HEPA Filter- Efficiency- EU-13 rating (99.997% down to 0.3 micron)

##### Material of construction

- Inner SS 304 Table & Outer G.I. Powder coated.
- Inner S.S. 316 Table & Outer SS 304 Matt Finish Features

##### Features

- In - built LCD Controller with display of air flow speed & life of UV light & HEPA filter.
- Audio visual alarm for Filter Blockage.
- Flange type prefilter of 5 micron capacity.
- Miniplate box type HEPA Filter of 99.99 %.
- Backward Curved Centrifugal fan with less Noise & Vibration.
- High efficiency UV lamp comes with strong germicidal power & disinfects area.
- Static pressure is measured by Magnehlic gauge.
- In – built Timer for UV & HEPA filter.

##### Optional Features

- Provision for gas Valve
- Provision for water Valve



## Advantages

- In – built timer of UV light.
- Specialized sound absorbing material to reduce noise.
- Facility to adjust speed to authorized Service Person.
- Audio visual alarm for filter blockage.
- Provision of electrical socket.

## APPLICATION :

- Plant tissue culture
- Media plate preparation
- Electronic inspection /
- Medical device assembly
- Pharmacy drug preparation
- General lab work
- Semiconductor industry
- Aeronautics industry

## TECHNICAL DATA

MODELS	WORKING SIZE W X D X H (IN IN FEET)	HEPA FILTER	PRE FILTER	ILLUMINATION WITH UNIT (IN WATT)	U.V. LIGHT (IN WATT)
TI-51A-VLAF	2 x 2 x 2	1	1	1 x 18	1 x 18
TI-51B-VLAF	3 x 2 x 2	1	1	1 x 18	1 x 18
TI-51C-VLAF	4 x 2 x 2	1	1	1 x 18	1 x 18

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ISO 9001:2015



ISO 13485:2012



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