

# BIO-SAFETY CABINETS

## TI - 53 SERIES CLASS II A2 & B1

Tempo make class II Bio-safety cabinets are used to give operator, environment & product protection when handling dangerous Biological Material.

### Construction:

#### Motor system

- Backward Curved Centrifugal fans.
- low noise.

#### Filter system

- Pre-filter-Efficiency-EU-5 rating, Efficiency: 95% down to 5 micron
- HEPA Filter- Efficiency-EU-13 rating
- Unidirectional vertical down flow with 70% Re-circulated and 30% exhausted with makeup air coming in as inflow through table perforation

#### Material of construction

- Inner S.S. 316 Table and Outer S.S. 304 Matt Finish Features.
- Inner S.S. 304 & outer S.S. 304 Matt finish.

### Features

- In-built LCD Controller with display of air pressure and life of UV light and HEPA filter.
- Audio visual alarm for filter Blockage.
- Flange type pre-filter 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.
- Incorrect sash position alarm.
- Downflow velocity 0.60 to 90 fpm
- In flow velocity 90 fpm

### 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 authorised Service Person.
- Audio visual alarm for Filter blockage.
- Provision of electrical socket.

## Advantages

- Microbiology
- Medical Devices
- Virology
- Pathology
- Blood Bank
- Eye Bank

## Technical Data

MODELS	WORKING SIZE W X D X H (IN FEET)	HEPA FILTER	PRE FILTER	EXHAUST AIR %	RECIRCULATED AIR %
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### CLASS II A2

TI - 53A	2 x 2 x 2	2	1	30%	70%
TI - 53B	3 x 2 x 2	2	1	30%	70%
TI - 53C	4 x 2 x 2	2	1	30%	70%

### CLASS A B1

TI - 54A	2 x 2 x 2	2	1	70%	30%
TI - 54B	3 x 2 x 2	2	1	70%	30%
TI - 54C	4 x 2 x 2	2	1	70%	30%

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ISO 9001:2015



ISO 13485:2012



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