

## **VERTICAL AIRFLOW BIOLOGICAL SAFETY CABINET (CLASS II, TYPE A2) 6'**

### **Specifications:**

- Menu driven microprocessor controlled biosafety cabinet with approximate dimensions: 4' AND 6'
- Cabinet work zone shall be of 16 gauge stainless steel and reinforced with stainless steel channels to minimize vibration.
- Down flow and Exhaust should be equipped with HEPA filters for Safety of Sample, User and Environment.
- Should have dual DC brush less motors for independent and automatic control over inflow and down flow velocities.
- The exhaust blower must continue operating when the supply blower stops working, if the exhaust blower fails, the supply filter should also be turned off
- The cabinet must automatically reduce blower motor speed to 25-30% when the front window sash is in closed position.
- The microprocessor controller must be easy to read with large display of operating parameters and functions within the reach and easy to see from a seated working position.
- All cabinet components, including HEPA Filters should be easily accessible from the front
- Working height of front window should be around 8-10 inches and maximum opening height of front window should be around 21 inches.
- All interior and exterior parts must be smooth to ensure no risk of cuts to users or maintenance personnel
- UV light must be programmable to allow for specific exposure times from 0 to 24 h
- The cabinet should have 2-3 internal electrical outlets
- Operating voltage: 230  $\pm$ 10 VAC, 50 Hz
- Noise level should be equal or less than the prescribed levels of NSF
- Audible alarm when the front glass is above the permissible protection limit
- Adjustable stand with Leveling Jacks to be provided
- NSF Standard certification for the quoted model is mandatory
- Validation of the instrument is to be done every six months during the warranty period
- Local Service Support should be within 24 hours
- Three years comprehensive warranty with 2 years free AMC
- Arm rest, foot rest and any other Additional features/accessories, that can potentially increase the safety of the cabinet should be quoted as optional items.