Special Features

- Large front panel display and user friendly control panel
- 10° slanted view screen provides highly visible and easily accessible area
- Work area is surrounded by negative pressure , double-wall plenums for superior protection
- Sturdy constriction of cabinet protects from air leakage from the working zone
- Display of Life of UV lamp, HEPA filter and temperature
- Caster wheels for ease of mobility
- Levelling jack for vibration free operation

Technical Specifications				
External Size (cms)	1020x800x2260	1320x800x2260	1620x800x2260	1920x800x2260
Inflow Velocity (m/s)	0.53 ± 0.025			
Down flow velocity (m/s)	0.33 ± 0.025			
Control system	PLC / Manual			
Display	Colour HMI with touch screen / Deferential pressure gauge			

Air Flow system	0% recirculation and 100 % exhaust			
Front sash door	Counter balanced Toughened glass			
Maximum opening (mm)	400			
Safe Opening (mm)	200			
Filter	HEPA filter 99.999 % efficient			
Particle Retention	0.3 microns			
Class	100			
Base Height (mm)	635			
Noise level (dB)	≥ 65			
Exhaust Volume (m3/h)	936	1315	1645	1972
Down flow Volume (m3/h)	626	835	1045	1253
Power	300	350	400	800
Voltage	230 VAC			
Net weight (kg)	200	225	250	275
Gross weight	250	275	300	325
Packing Size (mm)	1147x930x1800	1447x930x1800	1747x930x1800	2050x930x1800

NB: P Models are with Programmable logic control (PLC)
G Models are made out of Stainless steel 304 (GMP)

Construction

These cabinets are basically constructed with an outer body of Mild Steel duly powder coated. The inner work table is made of stainless steel. GMP models are in total stainless steel (Inside S. S 304 with mirror finish and outside. S 304 dull finish.) And the unit is mounted on caster wheels for ease of mobility.

Blower Motor Assembly

Duly balanced, direct drive highly efficient centrifugal blower units sized to provide adequate air flow volume over the entire surface of HEPA filter. These are directly coupled to an inbuilt motor and operate with minimum noise level i.e. lower than 65 db on scale and Vibration less than 2.5 um.

Front window

Counter balanced Front window consists of frameless laminated UV resistance shattered proof glass door.

Control and Display

A **programmable logic controller** (PLC) is a digital computer used for automation of controlling electromechanical processes, and it controls and indicates information of pressure, temperature, system status with audio visual alarm, control of illumination, UV lamp and Door open and close functions event management with less maintenance hence no moving parts.

- PLC with 4.3" touch screen and colour Display
- Password protected Human Machine Interface (HMI)
- Data storage to record set values, process values, date & time with variable time intervals
- Display of set value and process value
- High speed Ethernet connectivity
- Data logging capacity up to 1000 readings
- Log report for Alarm and other event management
- Programmable alarms with event management
- Self diagnostic system with error messages

Colour HMI with touch screen displays all the parameters including air velocity and timer. An inbuilt UV timer helps in the decontamination by switching ON the UV tube for a certain interval of time. A user friendly software and soft touch controls for blower, light, UV and power are easy to use.

UV interlock system

Colour HMI with touch screen displays all the parameters including air velocity and timer. An inbuilt UV timer helps in the decontamination by switching ON the UV tube for a certain interval of time. A user friendly software and soft touch controls for blower, light, UV and power are easy to use.

Water proof socket

2 water proof sockets are located in the side panel, for optimum convenience of using small devises inside the cabinet.

Extensible Valve

2 supply valves are available for extensive function, compatible with liquid, gas and vacuum.