

ATLANTIS (INDIA) APPLICATIONS ENGINEERING PVT LTD

Biological Safety Cabinet



Bio-Hazard Safety Work Bench

Laminar Flow Work Bench "Cleanair" VBH-42, Vertical Laminar Flow Work Bench for Pathogenic materials Mfd. with Technical Know-how of C.E.E.R.I. - Pilant (Govt. of India).

VBH-42 " Cleanair" - Recirculatory Model:- Type II

Variants :- Wooden/MS Powder- Coded/ Stainless Steel.

It is a special design Laminar Flow Bench for applications using hazardous biological & Pathogenic materials. It is a safety enclosed work Bench which meets international standards of safety requirements equipped with 0.3 micron Laminar Air Flow; 0.3 micron filtered Exhaust system and other safety features. This Bio-hazard Safety work Bench provides full protection to the operator and the exhaust to the atmosphere is also germ free and free from any pathogenic materials. Meets the specifications of latest International Organisation for Standardization ISO-14644-1) Class ISO-5 almost identical to U.S. Federal Standard 209 E Class 100.

"Cleanair" VBH-42 provides 0.3 micron work environment for the biological and other materials handled on the work Bench.

"Cleanair" VBH-42 is so designed that the work area is under a negative pressure thus no danger to the operator and nor to the atmosphere from the pathogenic material.

Construction Specs:

- 80% (Approx.) air circulation and balance exhausted.
- Front door of clear perspex in two sections, with hinges.
- Table top of Stainless Steel, AISI - 304 quality, 18 S.W.G.
- 30 Watts U.V. Germicidal tube (253.7 mu) fitted in the work area.
- HEPA Filter (0.3 micron) on the exhaust side for 20% (Approx.) exhaust.
- Fluorescent lite in the work area.
- LPG/AIR/VACUUM pet cock.
- Electrical Feed thru 1 x 5/15A, 230 VAC.

Technical Specs:

- Height of work table from ground - 30" (approx.)
- Work table - 48 x 24" (approx.) or any other size as required by you.
- Clear Height from work table - 24" (approx.)
- Total Height of VBH-42 - 6.5ft. (approx.)

Model VBH-42 "Cleanair" 100% Filtered Exhaust-Type-III

Instead of partial filtered exhausted and balance recirculation, Type-III is 100% HEPA filtered exhaust version. In the case a separate Exhaust Module is fitted for 100% exhaust, which consists of a suitable size and rated flow HEPA Filter and air Blower Assembly.

Extra Optionals

- Virus burn-off system for fitting in the Exhaust-dust
- Germicidal UV tube(s) for fitting in the Exhaust plenum before the Exhaust HEPA filter.
- Exhaust ducting of G.I. Sheet with woolen felt insulation for heat losses.

Standard availability in 2/2", 3/2", 4/2", 6/2" 8/2" and any other size.

N.B.: Due to continuing research and development, the information contained here in is subject to change without prior notice.