

LABORATORY



LAMINAR FLOW CLEAN BENCH

MODEL : MO-HF Series

MoonMed Model MO-HF series



Laminar air flows can maintain a working area devoid of contaminants. Many medical and research laboratories require sterile working environments in order to carry out specialized work. Laminar Flow Cabinets can provide the solution.

Our horizontal laminar airflow bench top workstations, or clean benches, create clean air for operations requiring a particle free environment. These units meet Class 100 requirements.

Stainless Steel construction, making the work zone easy to clean. No chip, rust or anything to generate particles. Work surface designed for maximum operator comfort. Designed to provide the highest level of air quality within the work zone. There are slots at the back of the work zone to minimize air turbulence, eliminating dead air zones, prolonging main filter life and enhancing product and cross-contamination protection

FEATURES

- **Motor:** bilateral suction blower type. Noiseless, vibration less
- **Glass sliding door:** 5mm thick transparent tempered glass, or 6mm thick safety glass.
- **Main body:** Powder coated surface laminate sheets: 1.2mm thickness. SUS304 Stainless Steel
- **Service fixtures:** for air, water, vacuum, gas
- **Air flow:** Three speeds
- **Prefilter:** American cotton pre filter, the prefilter will catch the biggest particles to protect and make longer the lifespan of the HEPA filter. Extended surface with cotton or polyester media or both 1-3µm.
- **Illumination:** Fluorescent lamp to work in a clear luminosity
- **Sterilization System:** UV lamp
- **Work zone:** ¾ inches thick SUS-304



- UV lamp installed in the cabinet contributes to Sterilize the source of contamination
- Exclusive diffusing muffler structure forms high quality Laminar Flow.
- Our Laminar Flow clean benches produce "Clean Air" at ISO5/Class100 or ISO4/class 10 standards
- Laminar Flow clean benches can be used as an alternative to using an expensive "Clean Room"
- A pre-filter traps large particles to extend the life of the HEPA filter
- Glare free Fluorescent lamp
- Digital Flow meter (Optional)
- Magnetic Air Flow meter(Optional)

SASH TYPES

OPENED SASH

We have made the opening higher which allows the user to add large equipment into the working area. In the lowest position there is still a 20cm height for the opened space.



SLIDING SASH

The user can simply with hardly any effort push the glass windows to the side of the workspace. The glass is very light and it is easy to remove them and clean them in the sink.



FOLDING SASH

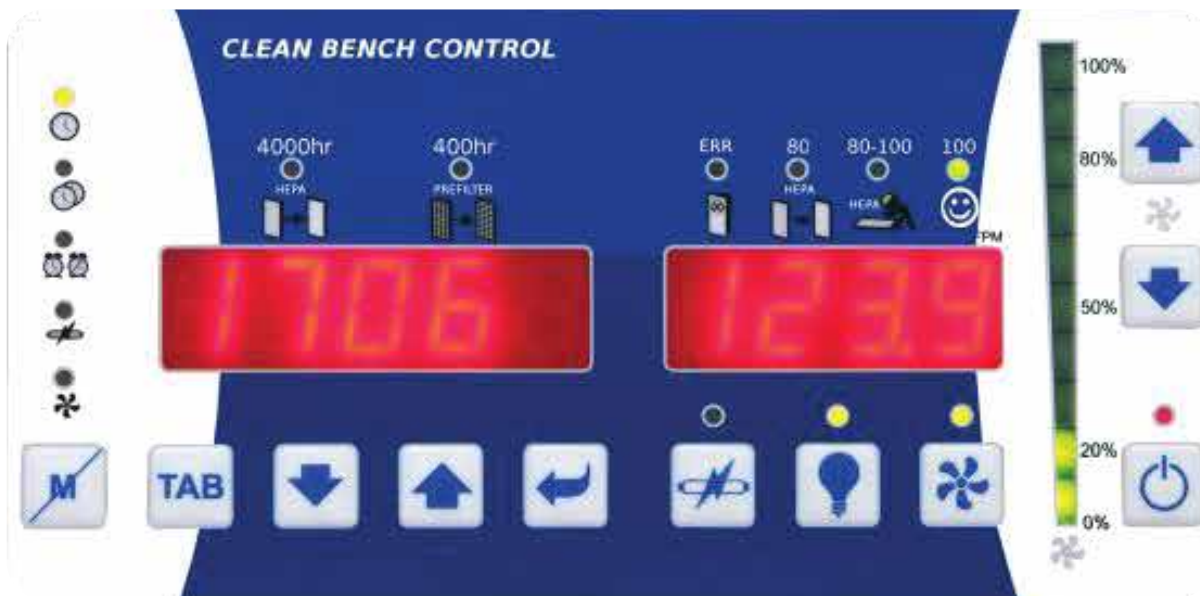
The user has to push the sash in an upward direction. This is helped by a Hydraulic damper making the handling really easy. This system also allows the user to have very easy access to the inside of the glass in order to clean it.



MoonMed Laminar Clean benches can be custom made in colors of your choice



CLEAN BENCH CONTROL SYSTEM



- Automatic control setting, saving the time of turning on/off
- UV lamp start time setting function
- Function for Hepa Filter changing
- Wind control function. The amount of wind can be freely adjusted.
- Function for signaling a warning for lowest amount of wind.(80FPM)
- Full touch tactil feedback sound supporting operation channel.

Time Control

- Running time can be set from 0~9999.99 hour/minute, together with an end alarm sound
- Time Setting uses a LED 6-figure indication
- A perpetual calendar time indicator
- UV lamp time control
- Operating time reservation

Wind Control

- 0~100% multi program control of the amount of wind, along with the LED setting indication
- Indication of the amount of wind adopts LED 4 - figure indication

Alarm Mode

- Hepa Filter changing indication alarm
- Pre-Filter changing indication
- If the door is not properly shut and "Error Signal" with show
- Low amount of wind will trigger a safety function and an alarm will ring



TECHNICAL DATA - Laminar Flow Series

HORIZONTAL LAMINAR FLOW

MODEL	Exterior Dimensions(mm)	Working Space(mm)	HEPA Filter	Illumination	UV Light	Fan/Horsepower
MO-HF-2T	660x840x1155	580x510x580	24x24x5 7/8"	15Wx2	15Wx1	1/6 HP
MO-HF-3T	960x840x1220	885x510x580	24x36x5 7/8"	20Wx2	15Wx1	1/4 HP
MO-HF-4TH	1300x840x1520	1190x540x580	24x48x5 7/8"	30Wx2	15Wx1	1/2 HP
MO-HF-6TH	1910x840x1520	1800x540x580	24x72x5 7/8"	40Wx2	15Wx2	3/4 HP

VERTICAL LAMINAR FLOW

MODEL	Exterior Dimensions(mm)	Working Space(mm)	HEPA Filter	Illumination	UV Light	Fan/Horsepower
MO-HF-4B	1320x780x1270	1170x610x630	24x48x5 7/8"	20Wx2	15Wx1	1/4 HP
MO-HF-4BH	1320x780x2030	1170x610x630	24x48x5 7/8"	30Wx2	15Wx1	1/2 HP
MO-HF-6BH	1930x780x2030	1780x610x630	24x48x5 7/8"	40Wx2	15Wx2	3/4 HP

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