

HLAF (HORIZONTAL LAMINAR AIR FLOW SYSTEM)



▶ INTRODUCTION

Introducing the HLAF (Horizontal Laminar Air Flow) system by Brinda Pharma Technology, a state-of-the-art solution for maintaining a controlled and sterile environment in your cleanroom or laboratory. The HLAF system utilizes horizontal laminar airflow, delivering a uniform and constant stream of filtered air across the workspace. This airflow pattern effectively removes airborne particles and contaminants, ensuring optimal cleanliness and product integrity. With its advanced airflow management technology, the HLAF system creates a contamination-free zone, safeguarding sensitive processes and samples. The ergonomic design and spacious work area of the HLAF system provide comfort and convenience for operators, allowing for seamless workflow and improved productivity. The user-friendly control panel enables easy adjustment of airflow speed and direction, giving you precise control over your cleanroom environment. Trust in Brinda Pharma Technology's HLAF system to deliver exceptional performance, reliability, and compliance with industry standards. Elevate your cleanroom capabilities with the HLAF system and experience the benefits of enhanced cleanliness, improved product quality, and efficient operations.



▶ KEY FEATURES

Advanced Airflow Control

HLAF utilizes state-of-the-art airflow control technology, ensuring precise and uniform air distribution throughout the cleanroom environment.

High-Efficiency Filtration

Equipped with high-efficiency particulate air (HEPA) filters, HLAF effectively captures and removes airborne particles as small as 0.3 microns, maintaining an ultra-clean environment.

Energy-Efficient Design

HLAF is designed with energy efficiency in mind, optimizing airflow patterns and minimizing energy consumption without compromising performance.

Robust Construction

Built with premium-grade materials, HLAF offers exceptional durability and longevity, withstanding rigorous cleanroom conditions and ensuring long-term reliability.

Easy Maintenance

HLAF features a user-friendly design that simplifies maintenance tasks, making filter replacements and routine inspections hassle-free and time-efficient.

▶ TECHNICAL SPECIFICATIONS

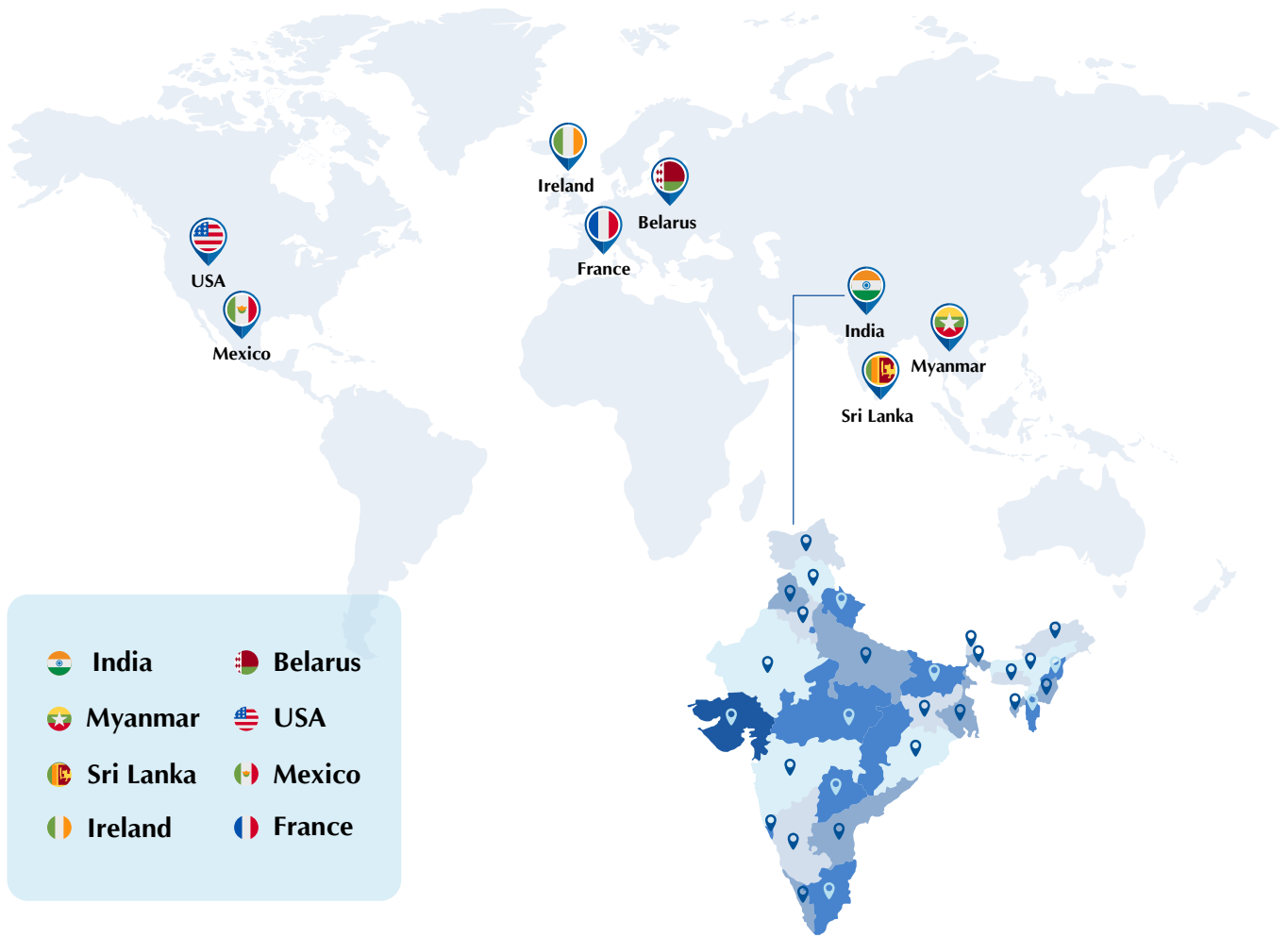
| PARAMETER | SPECIFICATION | | |
|----------------------------|---|-------------------------|---------------------|
| MATERIAL OF CONSTRUCTION | Stainless Steel 304 or 316L | | |
| DIMENSIONS | Standard & Customized sizes | | |
| UV DISINFECTION (OPTIONAL) | UV light with and hour Meter | | |
| FILTRATION SYSTEM | HEPA Filter (99.999% Efficiency) with washable Pre-Filter combination | | |
| NOISE LEVEL | <85 dB | | |
| LIGHTING | LED Lights | | |
| PRESSURE MONITORING | Megnahelic Or Digital Differential Pressure Gauge with alarm feature (Optional) | | |
| BLOWER | Statically & Dynamically Balanced Blower Optional EC Blower | | |
| CONTROL SYSTEM | Microprocessor Based control system with control display or HMI (Optional) | | |
| ALARM SYSTEM | Audio – Visual Alarms | | |
| AIR FLOW PATTERN | Horizontal | | |
| POWER SUPPLY | 220-240 VAC 50 Hz | 220-240 VAC 50/60 Hz | 220-240 VAC 60Hz |

▶ STANDARD SIZE CHART

| HORIZONTAL LAMINAR AIR FLOW SYSTEM | | | | | | | |
|------------------------------------|-----------------|----------------|----------------|-----------------|----------------|-----------------|---------------|
| MODEL | DIMENSIONS | | | | | | MOC |
| | INTERNAL | | | EXTERNAL | | | |
| | W | D | H | W | D | H | |
| HLAF-900SS | 900 mm 2.9' | 600 mm 1.9' | 600 mm 1.9' | 1200 mm 3.9' | 900 mm 2.9' | 2000 mm 6.5' | SS 304/SS316L |
| HLAF-1200SS | 1200 mm 3.9' | 600 mm 1.9' | 600 mm 1.9' | 1375 mm 4.5' | 900 mm 2.9' | 2000 mm 6.5' | SS 304/SS316L |
| HLAf-1500SS | 1500 mm 4.9' | 600 mm 1.9' | 600 mm 1.9' | 1675 mm 5.4' | 900 mm 2.9' | 2000 mm 6.5' | SS 304/SS316L |

(Size & Features Can be Completely Customized according to unique requirements.)

GLOBAL PRESENCE



Brinda Pharma Technologies Pvt. Ltd.

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