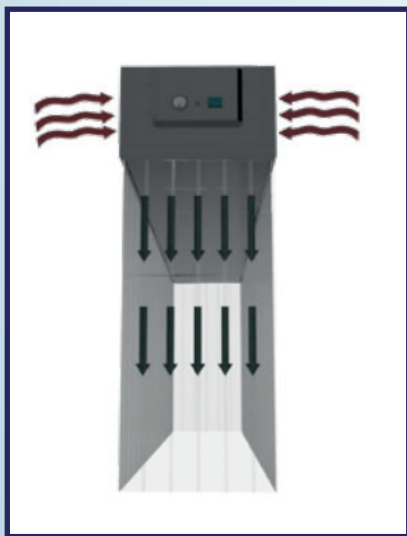


Laminar Air Flow (LAF) cabinet BROCHURE



Filter replacement time can vary depending on the frequency of operation of the system and environmental pollution. It is recommended to perform a monthly visual check of the pre-filter and change if needed.

HEPA filters should be changed when the pressure gauge reaches 450 Pa. After changing a HEPA filter, a filter leak test should be performed using DOP test fittings.



Climavac's LAF (Laminar Air Flow) Cabinets are manufactured by ISO 14644-1.

The LAF Cabinet is designed to provide a vertical airflow which is different from regular fan filter units.

LAF Cabinets are isolated in the downflow area with plastic curtains. With the assistance of positive pressure inside this isolated area, any air outside this unit will not be able to get inside and cause contamination.

Laminar Air Flow Cabinets provide a sterile environment to protect product quality which is essential where sensitive products (medicine, foods, etc.) can be affected by dust and particles.

These cabinets filter the air and reduce dust and particles in the environment. The fan draws the ambient air through the pre-filter and the pre-filter (G4) protects the HEPA filter and fan from coarse particles. The air is let to the working area after passing through the HEPA filter and diffuser.

The curtain in laminar flow cabinets protects up to the desired height in the work area.

The working area is under positive pressure and this allows the air to be conveyed from under the curtain to the environment the device is located in.

With this configuration, the finished product is protected by preventing contaminated air from entering the work area.

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