

Tabletop Laminar Flow Cabinets **Horizontal or Vertical**

- Laminar Flow Air Flow Cabinet incorporating a Fan Pre Filter and H14 HEPA Filter
- Suitable for light microbiological and electronics work including mycology and orchid seeding.
- Three configuration options available, and interchangeable with the purchase of additional screens, including a simple "Flow Hood" (Fan + Filter Option)
- Two size options available.
- Speed adjustable fan allows user to increase fan speed as filter gets dirty ensuring maximum filter life.



Applications

A **Laminar Flow Cabinet** offers a localised clean air solution which can operate to Class 5 of ISO 14644-1:2015. The Laminar Flow Cabinet is designed to prevent contamination for an operation performed within the working area where laminar flow clean air is presented by a tested H14 HEPA Filter.

The clean laminar air-flow will also force any contamination out of the working area to protect the process from further contamination risk.

Typical applications for Laminar Flow Cabinets include electronics such as work with semiconductor wafers, and microbiological work such as Mycology (mushroom cultivation), and Orchid Seeding.

Description

The Airclean Tabletop Laminar Flow Cabinet is fabricated in Dove Grey Plastic Coated Sheet Steel, which can be easily cleaned. The cabinet includes a Pre-Filter, a Tested H14 Grade HEPA Filter to EN1822, and a fan which is speed controlled to attain laminar air flow.

Both the H14 HEPA filter and Pre-Filters are user replaceable, and should be changed when they reach a dirty state and laminar air velocity (0.45m/s) can no longer be attained.

The Laminar Flow Cabinet is available in two sizes (**Standard "2ft x 2ft"** and **XL "2ft x 4ft"**) and three configurations which the user can choose at the time of purchase.

Configuration options will be selected at the time of purchase, but additional screen options can be purchased and interchanged.



VERTICAL LAMINAR FLOW



HORIZONTAL LAMINAR FLOW



**FAN + FILTER ONLY
(Flow Unit/ Hood)**

Standard - "2ft x 2ft" - Standard Size Table-Top Laminar Flow

Description	Overall Dims	Working Area	Part No.
Vertical Laminar Flow Cabinet	615W x 615D x 945H mm	580W x 590D x 590H mm	1845105
Horizontal Laminar Flow Cabinet	615W x 675D x 615H mm	580W x 270D x 590H mm	1845106
Fan + Filter Only	615W x 370D x 615H mm	570H x 570W mm	1845107
Standard Screen for Vertical Laminar Flow Cabinet			1845115
Standard Screen for Horizontal Laminar Flow Cabinet			1845116
Standard Grid-mesh Screen for Fan + Filter Laminar Flow Cabinet			1845117
Standard Spare Pre Filters (A290) – Pack of 5			1720905
Standard Spare H14 HEPA Filter			1510812

XL – "2ft x 4ft" – XL Size Table-Top Laminar Flow

Description	Overall Dims	Working Area	Part No.
XL Vertical Laminar Flow Cabinet	1185W x 605D x 925Hmm	1140W x 560D x 540Hmm	1845108
XL Horizontal Laminar Flow Cabinet	1185W x 655D x 603Hmm	1140W x 270D x 580Hmm	1845109
XL Fan + Filter Only	1185W x 360D x 603Hmm	1137W x 540Hmm	1845110
XL Screen for Vertical Laminar Flow Cabinet			1845118
XL Screen for Horizontal Laminar Flow Cabinet			1845119
XL Gridmesh Screen for Fan + Filter Laminar Flow Cabinet			1845120
XL Spare Pre Filter (A290)			1720908
XL Spare H14 HEPA Filter			1510818

Technical

H14 HEPA Filter individually tested to EN1822 (Certificate Supplied)

Rated Air Speed for Laminar Flow = 0.45m/s

Speed Adjustable Fan

Single Phase 240V 50Hz

Max Current Draw : Standard – 1Amp , XL – 2Amp

All units CE Marked

Maximum Clean Air Classifications can only be attained where the horizontal or vertical units are purchased. The popular "Flow Hood" style encourages turbulent and turbulent air around the edges of the face, so work must be kept approx. 50mm within the boundaries of the perceived working area.

Screens are supplied flat pack and require basic assembly (simple nut and bolt) Vertical and Horizontal screens may require sealant to attain the highest clean air classifications.

A Laminar Flow Cabinet is designed to protect the process, and not the operator and must not be confused with a "Safety Cabinet".