CCL laminar flow cabinets provide top performance for product manufacture, handling or packaging in an environment free of airborne contaminants.

The cabinets fully conform with the requirements of Australian Standard AS1386. They are manufactured in Australia by CCL, Australia’s leader in clean air technology, in a manufacturing facility NATA-accredited to AS/NZS ISO 9001 for quality assurance.

Function

The attractively styled cabinets house fans, prefilters and HEPA filters. These combine to ensure the removal of airborne contamination from air passed through to the work area.

The large filter face is matched to a special plenum design, that ensures a smooth laminar flow of clean air through the work area and prevents entrainment of outside air.

You can choose either horizontal (crossflow) or vertical (downflow) air flow. In crossflow cabinets, the blower fan is set at an inclined angle to the rear plenum to maximise airflow. The deeper rear plenum ensures unobstructed air flow to the HEPA filter face. As a result, the cabinet is quieter with reduced vibration and longer service life for the HEPA filter.

In downflow cabinets, a portion of the laminar flow air recirculates to the top plenum to give better airflow control and to minimise turbulence in the work area. This also increases the HEPA filter service life.

The application of sound-deadening coatings in the upper plenum areas of both cabinet styles minimises noise and vibration.

Features

Crossflow and Downflow models:
- Sound-deadening plenum coating
- Twin fan/filter systems on larger units
- Easy clean, low voltage touch controls
- ‘Prefilter change’ indicator lamp
- Laboratory-grade 2-pack baked finish
- Power outlet in work area
- No bolt heads or sharp protrusions

Crossflow cabinet

Optional Equipment

A variety of optional equipment is available including floor stand, germicidal UV tube in work area, set of dust covers, manometer, service taps and pharmacy support rail

Downflow cabinet

Crossflow cabinet

Downflow cabinet

Crossflow cabinet

Crossflow cabinet
Specifications

**Fans**: variable speed, direct drive motor/blowers allow airflow adjustment throughout the filter life.

**Prefilters**: large prefilters with easily removable holding frame and a 'prefilter change' indicator lamp fitted as standard.

**Filters**: CCL HEPA main filters, individually tested on Australia’s only NATA-registered Hot DOP test rig to guarantee that you will get the performance you have paid for. Hot DOP testing has long been recognised as an essential part of high efficiency air filter manufacture since only Hot DOP can create a homogeneous fog of 0.3 micrometre (micron) particles to truly challenge a filter’s efficiency.

Each filter must achieve a minimum efficiency of 99.99% to pass inspection.

Australian manufacture and testing ensures that your filters are unlikely to require on-site repair of transport damage.

**Cabinets**: the work area is fully constructed from stainless steel, with inward folds to avoid sharp edges. Cabinets are constructed of zinseseal steel, with two-pack laboratory grade baked polyurethane for a solvent, alkali and acid resistant finish that looks good and stays that way.

The filter guard has concealed fixing to avoid sharp edges and removes easily.

An easy-clean, low voltage, touch control panel incorporates coloured mode-indicator lamps.

Each cabinet is tested to conform with AS1386. The minimum average laminar air flow velocity, when measured in accordance with AS1807.1, is not less than 0.45m/s and the variation from average is less than 20%. In accordance with AS1217, the sound level does not exceed 62dBA on a free field basis.

Lighting intensity, in accordance with AS1807.15, is not less than 800 lux at the work floor surface. Cabinets have a Certificate of Electrical Suitability.

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**Crossflow: Engineering Data**

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**Downflow: Engineering Data**

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Special sizes available to order

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**Further information**

This page can be filled out and faxed to CCL on 02 9605 9576

☐ Please send a full product brochure;

☐ By post to:

Attn.____________________
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State_____________________

☐ By email to:

_________________________

☐ Please contact me to arrange a sales appointment, provide a product demonstration or offer a quotation.

Preferred contact
Name:____________________
Phone:__________________
am or pm (business hours)
Email

Any other requirements for follow-up please note here: