westlab

Ductless Fume Cupboards

Deep Base for Isolation, Sliding Sash

![westlab logo]

Made in Australia
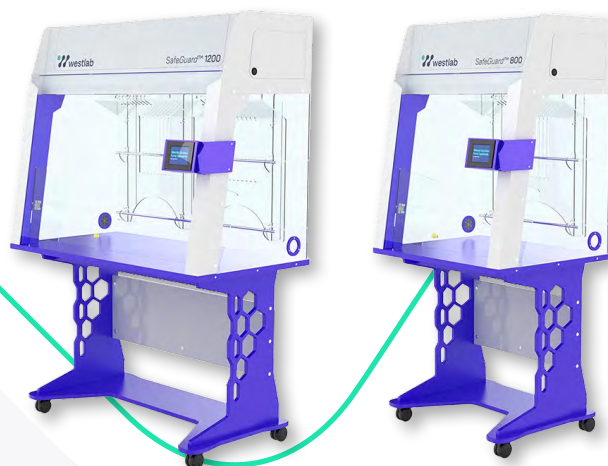
Ductless Fume Cupboards

Our Ductless Fume Cupboards are portable and economical units designed to protect the operator from toxic gases, fumes, and noxious particulates.

With a compact and modern design, the filtered fume cabinets feature all filters and electrics above the workstation to eliminate the risk of damage due to chemical spillage. Additionally, accidental spills are contained within the deep liquid tight base, without deducting from the workspace.

To ensure proper maintenance, a low airflow, gas, and filter replacement alarms signal the user when necessary. For additional safety, the units feature an operator safety controller.

Designed and manufactured in Australia, the fume hoods require no ductwork. Plugging directly into a standard 240V 10AMP electrical outlet, the ductless fume hoods require minimal installation. For compliance, the ductless fume cabinets exceed the requirements of AS/NZS 2243.9:2009 Safety in Laboratories – Recirculating Fume Cabinets.

The compact dimensions are ideal for classroom environments and smaller laboratories.

Deep Base for Isolation and Sliding Sash

Product Features

- Ductless Design, Sliding Sash
- Deep Base for Isolation of Accidental Spills
- Electrics & Filters Located Above Workstation
- Low Airflow, Gas & Filter Replacement Alarm
- Carbon Filtration Suitable for Chemicals
- Lighter Than Traditional Metal Units
- Internal Baffle for Uniform Airflow
- Manufactured In Australia
- LED Lighting, Cord Ports
- Minimal Installation

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United States
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Product Specifications

Type	Ductless Fume Cupboard, Sliding Sash
Top & Base Material	Polypropylene (PP)
Front Panel Material	Polyethylene Terephthalate Glycol (PETG)
Side & Back Material	Polyethylene Terephthalate Glycol (PETG)
Base/ Worktop Material	High Density Polyethylene (HDPE)

Product Information

Code	664-970	664-972
Type	SafeGuard™ 800	SafeGuard™ 1200
Speed Selection	Variable Speed	Variable Speed

Airflow Information

Low Airflow Alarm	Audible/Visible	Audible/Visible
Volume of Filtered Air	80L to 100L Per Second	120L to 140L Per Second
Linear Face Velocity	0.50M Per Second	0.50M Per Second

Electrical Information

Voltage	110V to 240V	110V to 240V
Current	0.5A at 240V	1.0A at 240V
Power Consumption	120W	240W

Physical Information

Internal Dimensions	790mm x 500mm x 685mm H	1194mm x 500mm x 685mm H
External Dimensions	800mm x 600mm x 990mm H	1200mm x 600mm x 990mm H
Unit Weight	56.6kg (Filters Included)	79kg (Filters Included)

General Information

Country of Origin	Australia
Standards Conformity	AS/NZS 2243.9:2009

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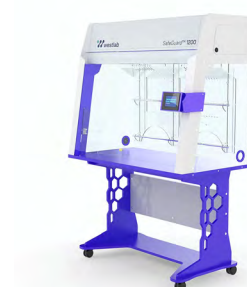sales.us@westlab.com
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Optional Accessories

Code	664-971
Description	Ductless Fume Cupboard 800mm Trolley
Dimensions	800mm W x 600mm D x 880mm H

Code	664-973
Description	Ductless Fume Cupboard 1200mm Trolley
Dimensions	1200mm W x 600mm D x 880mm H

Code	664-976
Description	General Purpose Filter 600mm
Dimensions	600mm L x 305mm W x 76.2mm H
Weight	9kg

Code	664-977
Description	General Purpose Filter 450mm
Dimensions	450mm L x 305mm W x 76.2mm H
Weight	5.6kg

Bundled Configurations

Code	664-974	
Description	Ductless Fume Cupboard 800mm, Filter & Trolley Bundle	
This bundle includes		
Code	Name	Qnty
664-970	Ductless Fume Cupboard 800mm Unit	1
664-971	Ductless Fume Cupboard 800mm Trolley	1
664-976	General Purpose Filter 600mm	1
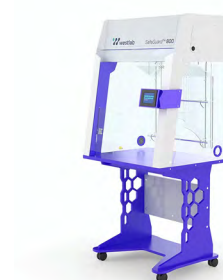
Code	664-975	
Description	Ductless Fume Cupboard 1200mm, Filters & Trolley Bundle	
This bundle includes		
Code	Name	Qnty
664-972	Ductless Fume Cupboard 1200mm Unit	1
664-973	Ductless Fume Cupboard 1200mm Trolley	1
664-977	General Purpose Filter 450mm	2

Bundled Configurations

Code	664-978
Description	Ductless Fume Cupboard 800mm & Filter Bundle, No Trolley

This bundle includes

Code	Name	Qnty
664-970	Ductless Fume Cupboard 800mm Unit	1
664-976	General Purpose Filter 600mm	1

Code	664-979
Description	Ductless Fume Cupboard 1200mm & Filters Bundle, No Trolley

This bundle includes

Code	Name	Qnty
664-972	Ductless Fume Cupboard 1200mm Unit	1
664-977	General Purpose Filter 450mm	2
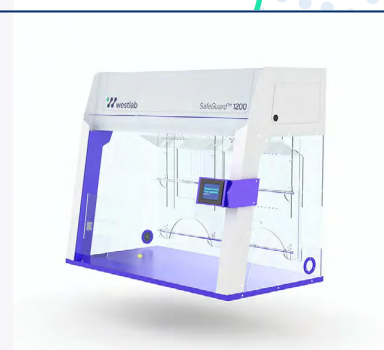
Ducted vs Ductless?

Which fume hood should I purchase?

There are many criteria to consider when choosing a fume hood for your laboratory. Here are a few things to consider.

Needs/Examples of Use	Ducted Fume Hood	Ductless Fume Hood
Flexibility		Yes
Cost Savings		Yes
Versatility	Yes	
Efficiency	Yes	
Harsh Chemical Use	Yes	
Utilities (Gas, Water, Power)	Yes	
No Existing Ductwork		Yes
Educational Practical Use		Yes
Heavy Acid Use	Yes	
Pathogen Use		Biosafety Cabinet
Microbial Use		Yes
Analytical Use	Yes	
Large Workspace	Yes	
No HVAC System		Yes
Specific Negative Pressure Needed	Yes	

Installation Information

Please consult the Product Placement document.

Assess the air conditioning, ventilation, doorways, and other factors in the intended installation areas and nearby the unit, as they can impact the airflow around the unit and its ability to contain fumes.

The location of a fume hood is something that needs to be considered prior to purchase. The Australian Standards AS/NZS 2243.8:2006 outlines the positioning requirements of fume hoods in a laboratory. In positioning a fume hood, you need to take into consideration the below requirements:

- **Proximity to traffic areas** – there needs to be at least 1 metre between the sash and any traffic area. This means that there should be a 1 metre undisturbed zone between the sash and the traffic area. In saying that, the standards also state that if the laboratory traffic area is in frequent or continual use, the minimum distance of the traffic area should be 3 metres.

- **Proximity to benchtops** – if the fume hood is near an opposing benchtop, a minimum distance between the sash and the benchtop should be at least 1.5 metres. This is applicable where the same operator is using both the fume hood and the benchtop or where only occasional traffic is anticipated.

- **Proximity to walls, other obstructions, and other operators** – an opposing wall, other major obstruction, or an opposing bench used by another operator must not be within 1.8 metres of the sash.

- **Proximity to architectural obstacles**

  - **Walls or similar** – a fume hood should not be closer than 300mm from each side of the fume hood to a wall or similar smooth obstruction that extends past the line of the face of the fume cupboard.
  - **Other obstructions** – obstructions should not have the face of the column in front of the plane of a sash.
  - **Doorways** – a doorway should not be within 1.5m of the sash or should not be within 1m from the side of the fume hood.
  - **Maintenance access** – a fume hood should have adequate access for maintenance as specified by the manufacturer's requirements.

Ordering Information

Code	Description
664-970	Ductless Fume Cupboard 800mm Unit
664-971	Ductless Fume Cupboard 800mm Trolley
664-972	Ductless Fume Cupboard 1200mm Unit
664-973	Ductless Fume Cupboard 1200mm Trolley
664-976	General Purpose Filter 600mm
664-977	General Purpose Filter 450mm

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