

# CSV CABINET

CONTAINED STORAGE VENTILATION



# DESCRIPTION

Clyde-Apac CSV safe storage cabinets are designed to contain laboratory chemical fumes (including formalin) and other odours given off by specimen jars and bottles during storage.

CSV cabinets are manufactured in a variety of configurations including self contained units fitted with optional HEPA, carbon filters and ducted models that are designed to be connected to building services.

The cabinets are available with a nominal width of 900mm, 1200mm or 1500mm. Each cabinet is factory-tested to ensure compliance with relevant International standards.

# OPERATIONS

Recirculating CSV modules utilise a direct drive fan that draws ambient air into the cabinet from the air intake that is located under the viewing window.

Air passes through the perforated storage shelves and into the exhaust filter system, consisting of two stages of filtration, prior to being recirculated into the room. The first stage prefilter arrests > 90% of particles 5 micron and larger. The final activated carbon filter incorporates carbon granules with a selected chemical impregnation to optimise the arrestance of specific vapours. Specific impregnations are available for the handling of a wide range of contaminants.

The contaminants include:

- Formaldehyde and glutaraldehyde
- Alkaline odours
- Ammonia and amines
- Inorganic acids and acidic odours
- H<sub>2</sub>S and mercaptans
- HCN

Ducted models are designed to work with building services and can be fitted with additional filtration systems.



# CONSTRUCTION

<b>Frame</b>	304 Stainless Steel frame with safety glass doors and viewing windows, fitted with self levelling feet
<b>Shelves</b>	Five adjustable, perforated stainless steel
<b>Optional Exhaust Module *</b>	Laboratory grade baked enamel coated mild steel
<b>Fan *</b>	Direct drive centrifugal with variable speed control
<b>Controls *</b>	Low-voltage control panel with function indication
<b>Airflow *</b>	> 0.5m/s across opening with doors closed
<b>Voltages *</b>	220/240V 50Hz single phase
<b>Power *</b>	Maximum 10 Amps

\* Applies to Recirculating CSV Units

The AES Environmental CSV Cabinets are available with a range of customisable options to best suit all applications. some options include

- HEPA filters (with a H14 rating or 95.995%)
- Carbon filters (for the removal of odours)
- Germicidal UV lamps
- Fluorescent Lamps



AES Environmental maintains an ISO 9001 quality management system to ensure process and product conformance.

## ON-SITE TESTING

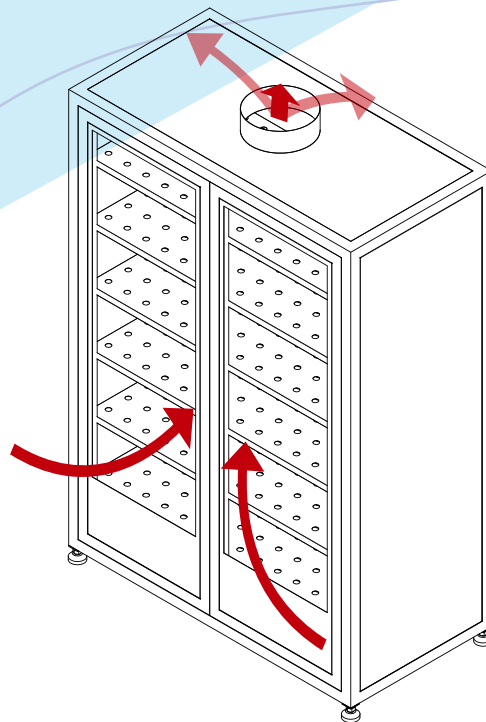
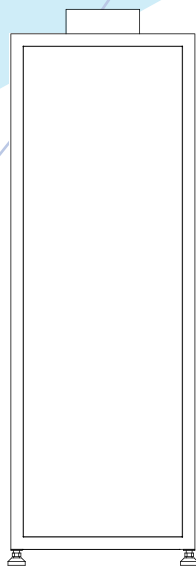
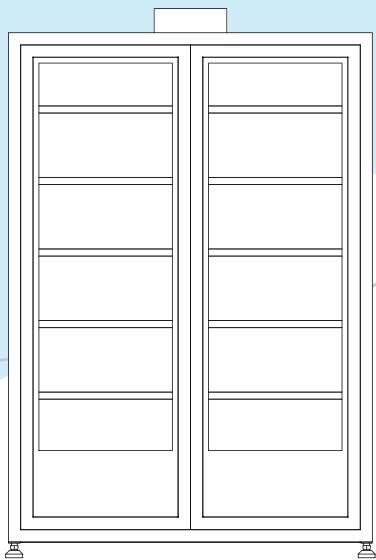
AES Environmental HEPA filters are factory-tested and certified by a NATA-Accredited laboratory. Additional testing and certification should be carried out on site prior to use, and subsequently as follows;

- a. After filter replacement
- b. At least annually
- c. In special circumstances, e.g. if filter leakage is suspected.

AES Environmental provides comprehensive on-site maintenance, testing and certification services for HEPA filter installations, cleanrooms, safety cabinets, laminar flow workstations and fume cabinets.

# SPECIFICATIONS

## DUCTED CSV UNIT

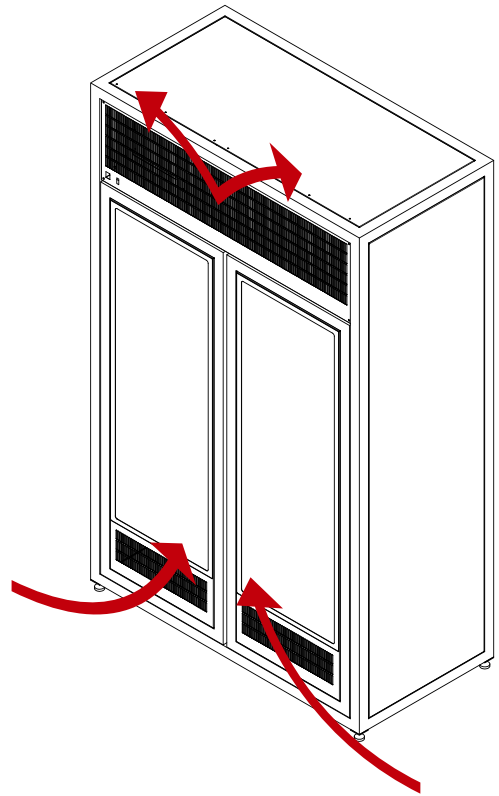
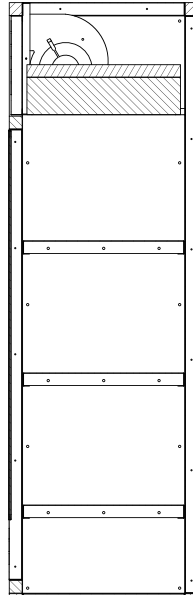
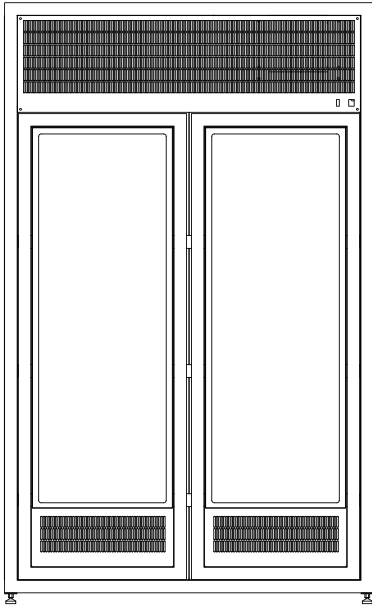


## PRODUCT DATA

Model		CSV90	CSV120	CSV150
External Dimensions	Width	900mm	1200mm	1500mm
	Depth	750mm	750mm	750mm
	Height	2100mm	2100mm	2100mm
Internal Work Zone Dimensions (D)	Depth	650mm	650mm	650mm
	Width	800mm	1100mm	1400mm
Working Opening		Two doors	Two doors	Two doors
Cabinet Construction		Stainless Steel 304	Stainless Steel 304	Stainless Steel 304
Front viewing window		Glass 6mm	Glass 6mm	Glass 6mm
Spigot Options		Top	Top	Top
Air Flow rates (L/s) *		180 L/s	240 L/s	300 L/s

# SPECIFICATIONS

## RECIRCULATING CSV UNIT



## PRODUCT DATA

Model		CSV90	CSV120	CSV150
External Dimensions	Width	900mm	1200mm	1500mm
	Depth	750mm	750mm	750mm
	Height	2400mm	2400mm	2400mm
Internal Work Zone Dimensions (D)	Depth	650mm	650mm	650mm
	Width	800mm	1100mm	1400mm
Working Opening		Two doors	Two doors	Two doors
Cabinet Construction		Stainless Steel 304	Stainless Steel 304	Stainless Steel 304
Front viewing window		Glass 6mm	Glass 6mm	Glass 6mm
Exhaust Position		Front Exhaust	Front Exhaust	Front Exhaust
Air Flow rates (L/s) *		180 L/s	240 L/s	300 L/s



AES Environmental is a family owned, engineering and manufacturing business. The company comprises of major brands situated in the Air Filtration, Pollution Control and Life Sciences markets. Those brands and products are market-leading names within their fields ensuring that AES Environmental is capable of fulfilling its goal of providing the market with a single, integrated source for air filtration, clean room and pollution control needs.

Whatever business area you operate in, effective air filtration and pollution control is vital for your products, processes and people. All our products are manufactured in Australia and along with that, we offer installation and service Australia wide, that you can always rely on.

# GET TO KNOW US

AES Environmental consists of an Australian head office and manufacturing location in Sydney, NSW, manufacturing and service operations in Perth, WA, Adelaide, S.A. and service operations in Melbourne, Vic. Internationally the business operates manufacturing facilities in Bangkok, Thailand and Newcastle Upon-Tyne, UK.

However large or small the need, with expertise in just about every area of industrial and process filtration and separation, we're ready to help to deliver the products and 'hands-on' support to help you build a better future.

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*In keeping with our policy of continuing product improvement, we reserve the right to alter specifications without notice.*

# GET IN TOUCH!

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