



LAF Safety Cabinet **CLASS II**



AIR TECHNOLOGY | SAFETY | COMFORT



For precision, safety, and comfort in your workspace

Table of content

2

About JRV

3

LAF Safety Cabinet Class II

4

Airflow

5

LAF Safety Cabinet A2

7

LAF Safety Cabinet B2

9

Features and options

10

Core values and approach

About JRV

JRV A/S is a Danish family-owned ventilation and manufacturing company. **JRV A/S** specializes in the production of ventilation products designed to protect people and products from particles, dust, chemical fumes, or other types of harmful air pollution. **JRV A/S** was founded in 1968 and has since operated in various environments, such as hospitals, the pharmaceutical industry, the food industry, the plastic industry, pharmacies, veterinary clinics, educational institutions, and similar workplaces in both Denmark and abroad.

At **JRV**, we take pride in our core values:

Air Technology

To us, Air Technology is the knowledge and ability to control the movement of air in relation to a work process.

Safety

To us, Safety means ensuring the highest possible protection of both people and/or products during a process.



Comfort

To us, Comfort is quality of life that influences both the physical and mental well-being of employees in the work and personal lives.

It is our goal to...

... use our knowledge of **Air Technology** to design and produce high-quality products that, to the greatest extent possible, can control airflow, ensure low energy consumption, and create safety and comfort for the user and their surroundings.

... use our knowledge to optimize **Safety** by designing and producing high-quality products that effectively remove harmful particles, dust, chemical fumes, and other types of disruptive air pollution.

... use our knowledge to create **Comfort** by designing and producing high-quality products that, with focus on airflow and ergonomics, contribute to a pleasant work environment - essential for employee well-being both at the workplace and in the personal lives.

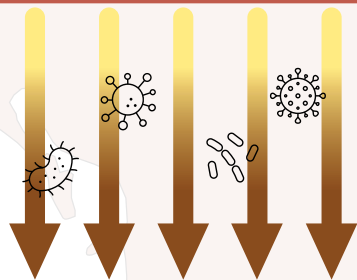
LAF Safety Cabinet CLASS II

A LAF Safety Cabinet - also known as microbiological safety cabinet, LAF bench, or laminar air flow cabinet - is designed for working with biological material where the product, user, or surroundings must be protected from contamination. The LAF Safety Cabinet is used in laboratories within biotechnology, the pharmaceutical industry, and research facilities.

At JRV, our LAF Safety Cabinet is developed based on our core values Air Tehcnology, Safety, and Comfort in every single detail.



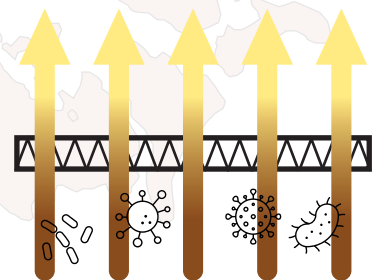
Air Technology in safety cabinets ensures a controlled environment through Laminar Air Flow, where unidirectional and HEPA-filtered air creates a clean work zone. This technology protects the user, the product, and the surroundings by minimizing particle contamination and ensuring the effective removal of harmful substances through filtered exhaust and stable airflow.



Clean air forces particles and harmful substances down into the ventilation system and away from the user and the product.

Safety is maintained through a front opening that allows for operation within the cabinet. The risk of product and cross-contamination is minimized, and the release of airborne particles is controlled through an appropriately filtered internal airflow and filtration of the exhaust air.

Comfort is combined with safety on Class II safety cabinets, which ensure personal protection against harmful substances, product protection to prevent contamination, and environmental protection from hazardous materials. The design creates an ergonomic and controlled workspace for precise laboratory processes. Developed in accordance with EN 12469 and NSF/ANSI 49 standards.



Contaminated air is blown through a HEPA filter and either recirculated (A2) or directed to the duct system (A2/B2)

LAF Safety Cabinet A2

Inflow

- Ambient air is drawn in through the front opening at a velocity of 0.4 m/s

Downflow:

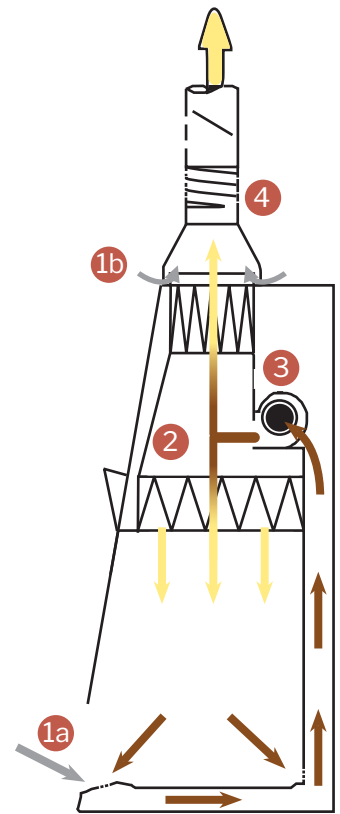
- HEPA-filtered air is blown vertically down over the work area at a velocity of 0.25-0.50 m/s.

Air distribution:

- A portion is recirculated through a HEPA filter and returned to the cabinet.
- Another portion is extracted via an exhaust filter.

Recirculation and exhaust:

- No air loss during recirculation - the filtered air is efficiently reused.
- Can be connected to a telescopic duct with an open gap.



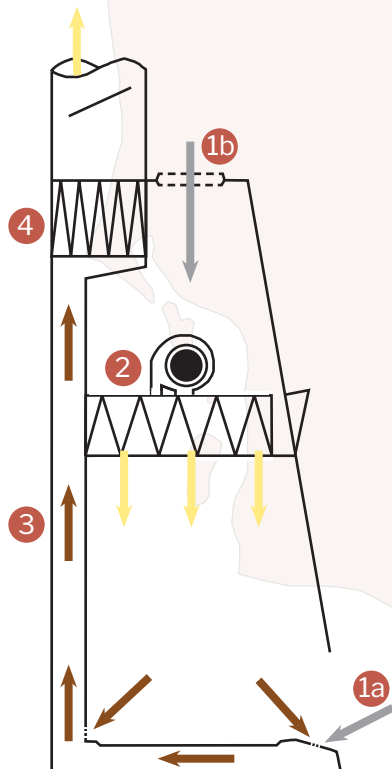
Ambient air



Filtered air



Contaminated air



Inflow:

- Ambient air is drawn in through the upper plenum at a velocity of 0.4 m/s.

Downflow:

- HEPA-filtered air is blown vertically down over the work area at a velocity of 0.25-0.50 m/s.

Air distribution:

- No recirculation - all air moves through the cabinet.
- The airflow is directed straight to the exhaust system without being recirculated.

Exhaust:

- 100% of the air is removed through a HEPA filter and directed through an external ventilation duct.

LAF Safety Cabinet B2

LAF Safety Cabinet CLASS II A2



HEPA H14-filtration



Available in widths
1200-1800 mm



2 x 230 V power outlets



LED lighting up to 1500 lux

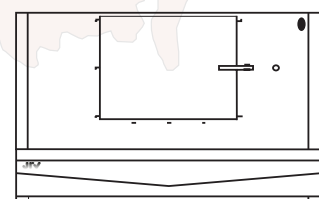
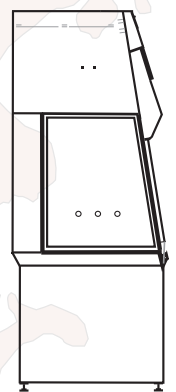
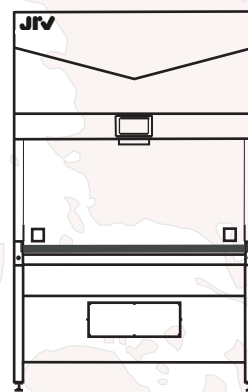


Low noise level - only 48 dB(A)

The Class II A2 LAF Safety Cabinet is ideal for laboratories where both the product and the user needs protection. The cabinet efficiently recirculates air and creates a stable, clean work zone with a strong focus on safety.

Its userfriendly design ensures easy operation - even when wearing gloves. The clear side panels provide a bright and open work environment.

The solution combines comfort and safety, and available options can be found on page 9.



The cabinet complies with the international standards **DS/EN 12469** and **NSF/ANSI 49**.

LAF Safety Cabinet Class II A2

Model

Cabinet width, mm	600	1200	1500	1800
-------------------	-----	------	------	------

Dimensions and weight

External dimensions, WxDxH, mm	600x800x1330	1325x795x1329	1625x795x1329	1925x795x1329
Internal dimensions of work surface. WxDxH, mm	600x520x720	1200x520x720	1500x520x720	1800x520x720
Internal dimensions of front window, WxDxH, mm	600x650x720	1200x650x720	1500x650x720	1800x650x720
Front window opening	200 mm (adjustable 160 - 330 mm)			
Weight, kg	110	220	250	280

Air velocity

Downflow	0.28 - 0,32 m/s (adjustable 0,25 - 0,50)			
Inflow	0,40 m/s (adjustable 0,40 - 0,55)			
Deviation	< 8 ±%			

Noise and light

LED lighting, noise level, measured according to EN 12469	48 dB(A)			
LED lighting	Lux 0-1500, dimmable			

Ventilation

Downflow rate	317 m³/h	680 m³/h	840 m³/h	1010 m³/h
Exhaust rate flow	173 m³/h	390 m³/h	480 m³/h	580 m³/h

Filter

Main filter/exhaust	Type: HEPA H14 EN 1822, 99,999% efficiency at a particle size of 0,3 µm			
---------------------	---	--	--	--

Electrical data

Voltage frequency	V/Hz 220-240/50-60 or 110-120/50-60			
Power consumption, from	85 W	100 W	130 W	140 W

Item number	LAF-SK-600A2	LAF-SK-1200A2	LAF-SK-1500A2	LAF-SK-1800A2
-------------	--------------	---------------	---------------	---------------

LAF Safety Cabinet Class II B2

Model

Cabinet width, mm	1200	1500	1800
-------------------	------	------	------

Dimensions and weight

External dimensions, WxDxH, mm	1325x795x1329	1625x795x1329	1925x795x1329
Internal dimensions of work surface, WxDxH, mm	1200x520x720	1500x520x720	1800x520x720
Internal dimensions of front window, WxDxH, mm	1200x650x720	1500x650x720	1800x650x720
Front window opening	200 mm (adjustable 160 - 330)		
Weight kg	220	250	280

Air velocity

Downflow	0.28 - 0,32 m/s (adjustable 0,25 - 0,50)		
Inflow	0,40 m/s (adjustable 0,40 - 0,55)		
Deviation	< 8 ±%		

Støj og lys

LED lighting, noise level, measured according to EN 12469	48 dB(A)		
LED lighting	Lux 0-1500, dimmable		

Ventilation

Downflow rate	680 m³/h	840 m³/h	1010 m³/h
Exhaust rate flow	1070 - 1170 m³/h	1320 - 1420 m³/h	1590 - 1690 m³/h

Filter

Main filter/exhaust	Type: HEPA H14 EN 1822, 99,999% efficiency at a particle size of 0,3 µm		
---------------------	---	--	--

Electrical data

Voltage frequency	V/Hz 220-240/50-60 or 110-120/50-60		
Power consumption, from	100 W	130 W	140 W

Item number	LAF-SK-1200B2	LAF-SK-1500B2	LAF-SK-1800B2
-------------	---------------	---------------	---------------

LAF Safety Cabinet CLASS II B2

The Class II B2 Safety Cabinet is designed for laboratories where work requires a high level of safety - especially when handling volatile chemicals and toxic substances. With direct exhaust and no recirculation, the cabinet protects both the user and the surroundings.

The user-friendly design ensures easy operation - even when wearing gloves. The cleasable side panels provide a bright and open work environment.

The solution combines comfort and safety, and available options can be found on page 9.

HEPA H14-filtration



Available in widths
1200-1800 mm



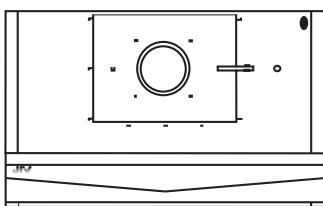
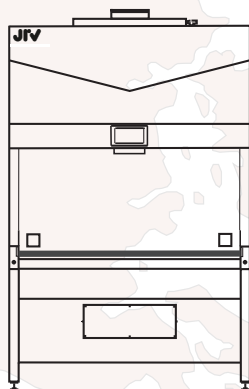
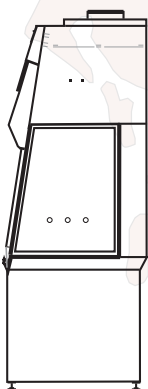
2 x 230 V power outlets



LED lighting up to 1500 lux



Low noise level - only 48 dB(A)



The cabinet complies with the international standards DS/EN 12469 and NSF/ANSI 49.

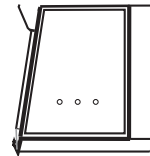
Features and options

Standard features

2 x 230V power outlets



3 x Ø25 mm holes in each side panel for tubing. Plugs included.



Options

UVC 222

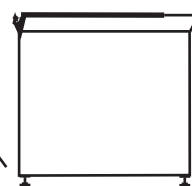
Reduces the use of chemicals for effective and safe disinfection



Sustainable and environmentally friendly - contains no mercury

Built into the rear wall with a tilting function - easy to clean and does not disrupt airflow.

Height-adjustable function



Ensures ergonomic adjustment, reducing strain and increasing comfort.

Additionally enhances flexibility with rotating staff, improves work precision, and makes maintenance easier.

Marble weight

Marble base provides stability and reduces vibrations, ensuring precise weighing.

Marble combines functionality and aesthetic durability in a solution that signals quality and professionalism.



Foot pedal for controlling the front window

Opening and closing the front window with a foot pedal minimizes hand contact and reduces the risk of contamination.



Additionally, it allows for free hands, better ergonomics, and efficient workflow.

Additional options



EDB socket



Night light



Sensor alarm for exhaust failure



Data socket



Additional power outlet



Vacuum and compressed air

Quality, Responsibility, and Professional Development

At JRV, functionality, quality and responsibility go hand in hand.

All our solutions are developed and manufactured in Denmark with focus on precision, flexibility, and long durability. We deliver both standard and custom-made products, where everything is meticulously thought through.

We are ISO 9001 and ISO 14001 certified, which means we work systematically with both quality assurance and environmental considerations throughout the entire process - from design to delivery.

For us, quality assurance and environmental considerations are about people. That's why we continually invest in professional development and knowledge sharing across our teams. This ensures that we are always improving, providing you with solutions that meet both today's and tomorrow's needs.

Support - before, during, and after

We advise and assist you throughout the entire process:

- We offer technical support during installation
- We provide guidance during use
- And we follow up if your needs change

At JRV, support is not an additional service - it's a natural part of the way we work.

Sustainable Thinking in Practice

We focus on solutions that last - both for you and the environment. This means we prioritize materials and processes with a low environmental impact, and we continuously work to reduce resource consumption in production.

We believe that quality and sustainability must go hand in hand, and we never compromise one for the other.



With innovative solutions we are taking SAFETY to a new level



UV222

jrv

AIR TECHNOLOGY | SAFETY | COMFORT



Nimbusvej 10
2670 Greve



+45 43 950 950



sales@jrv.dk



jrv.dk



Manufactured in Denmark

