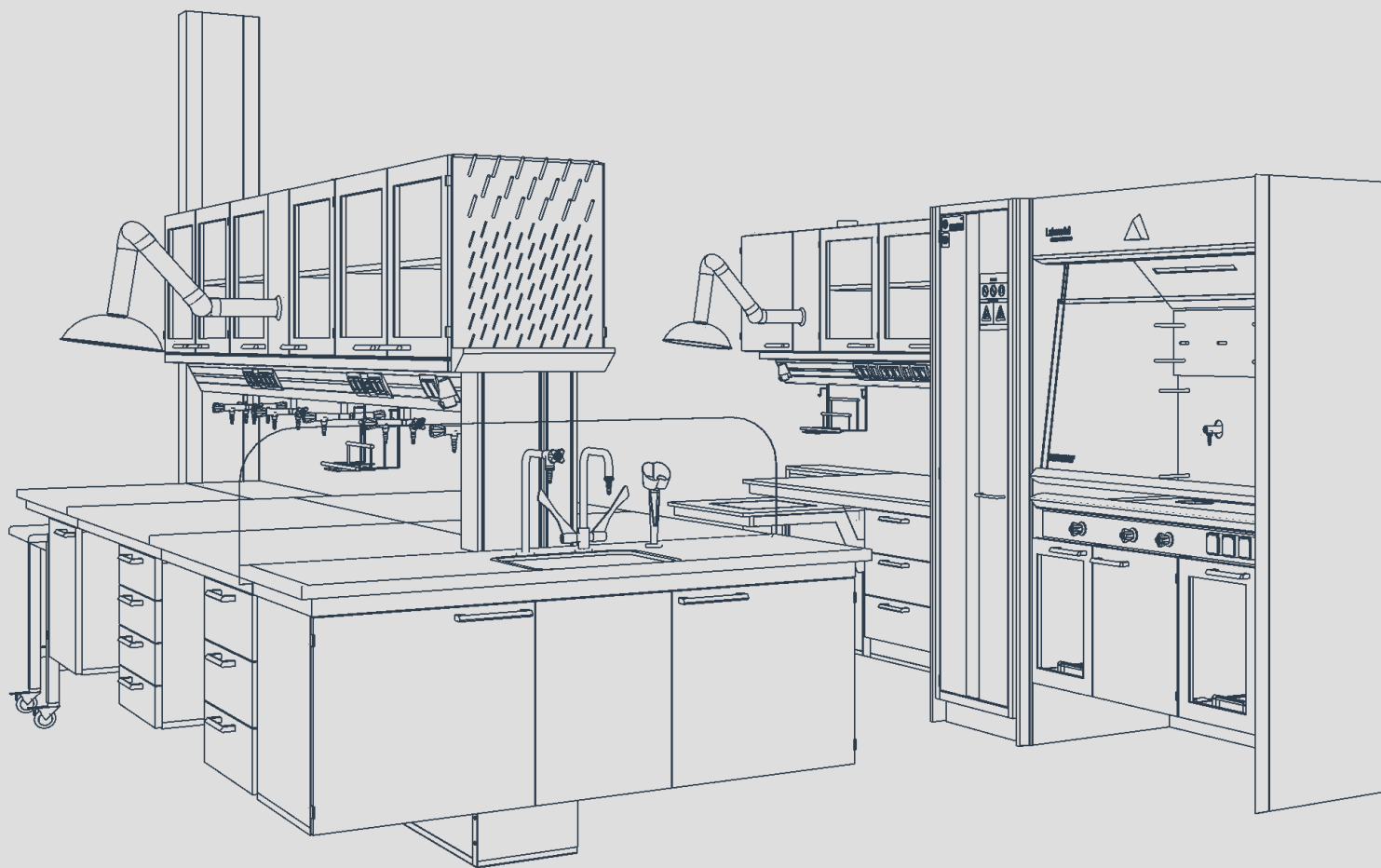


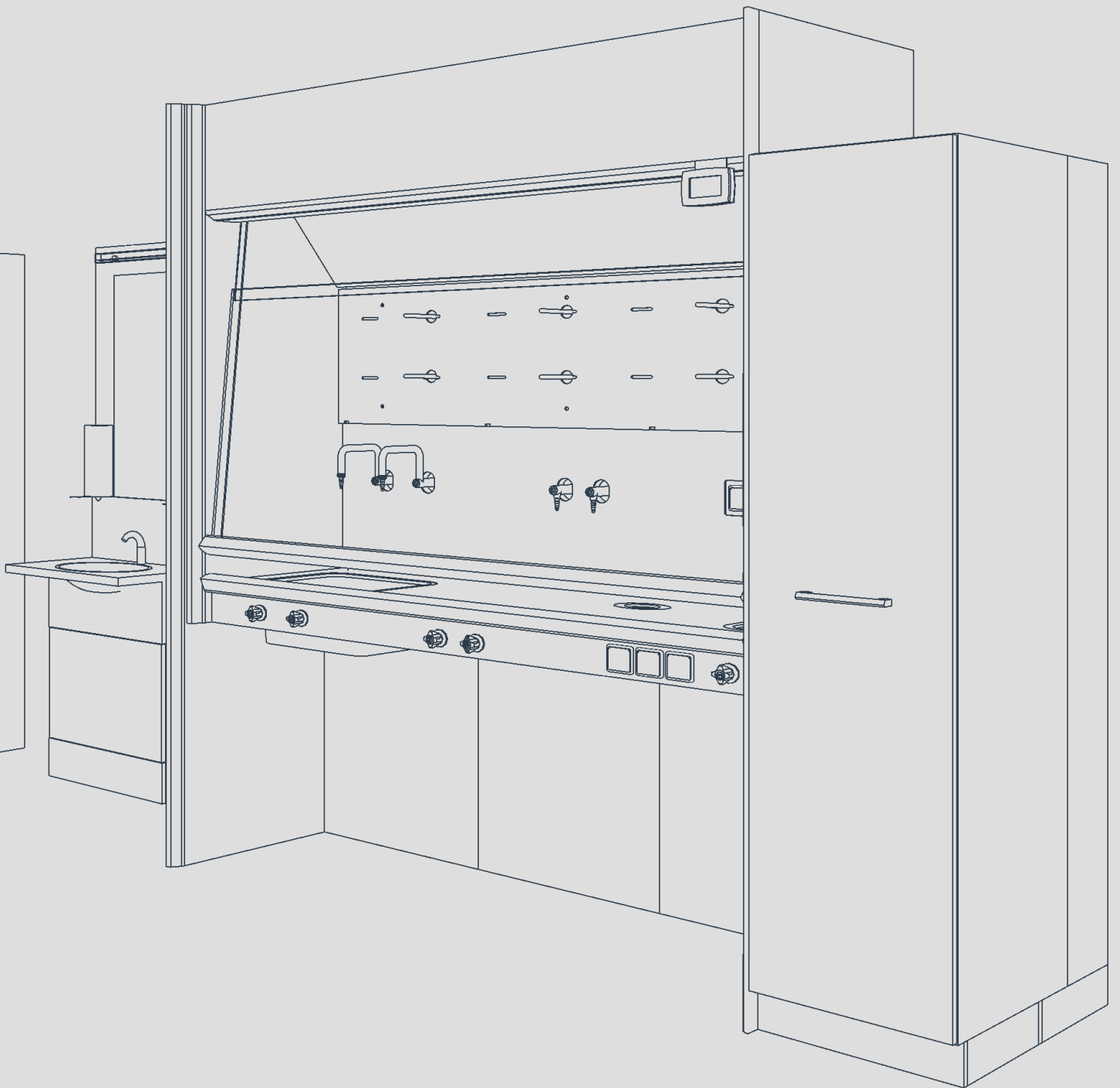
labmodul

Designing safety



Designing safety...





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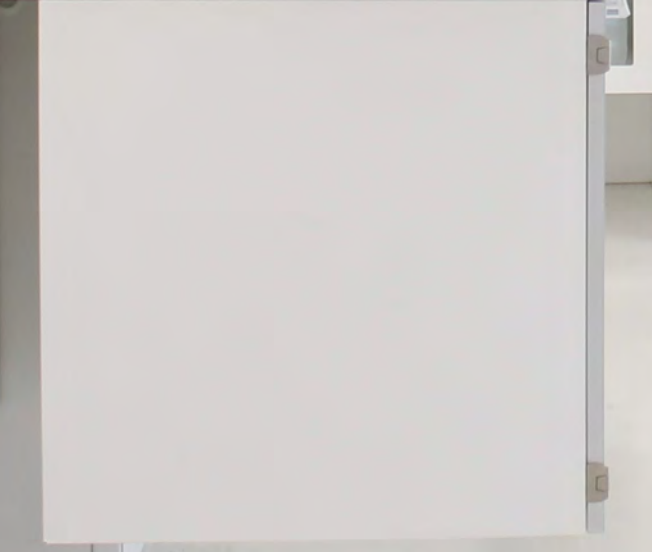
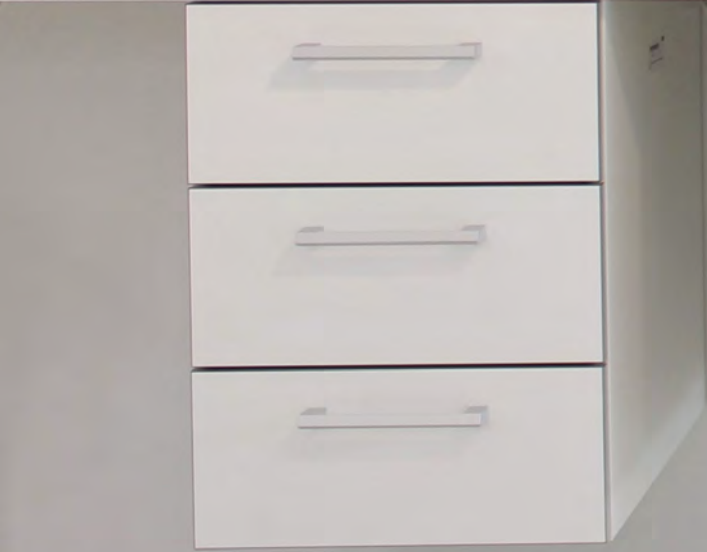
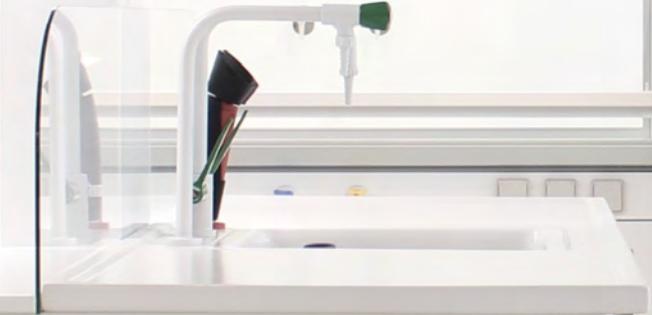
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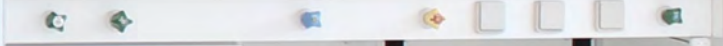








labmodul



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FUTURE-PROOF LABORATORIES

Labmodul is a leading company in innovative and customer-adapted furniture solutions for laboratories in the industrial sector, Pharmaceutical, Oil & Gas, technical schools, universities, as well as in the research and hospital sector.

MORE THAN 35 YEARS OF EXPERIENCE

Labmodul sets the standards for both design and functionality in the laboratory around the world and represents a credible and quality-conscious partner when it comes to laboratory furniture solutions, both locally and internationally. Flexibility and user innovation is the trademark of all Labmodul solutions. Labmodul strives to be a partner that sets new standards for functionality and customer optimized solutions and where safety and working environment are in focus.

ADDED VALUE WITH TURNKEY SOLUTIONS

Labmodul delivers an adapted and complete turnkey solution for laboratories. Labmodul offers everything from advice on how to design, projects, and concept development, to a broad and well-documented product program, project management, installation, repair, and financing. The turnkey solution provides the customer with a cohesive and functional laboratory solution of high quality with minimum administration.

PRODUCT PROGRAMME WITH RELEVANCE

All Labmodul products are made from high-quality materials with a focus on functionality, design, ergonomics, environment, and a long lifespan. Labmodul offers furniture solutions for laboratories from a broad product range that contains both standard and specially designed products. The product range contains everything from technical ventilation products such as fume cupboards of all categories and LAF-benches for working stations and solutions for storage, e.g. chemical cupboards and regular cupboards. Labmodul's products demonstrate flexibility and innovation, which are among the many reasons why so many local and global customers choose Labmodul.

NATIONAL AND INTERNATIONAL CUSTOMERS

Labmodul services both large and small national and international companies not only within the pharmaceutical, biotechnical, and processing industries but also within research, education, and hospitals. Labmodul's strength lies in adapting solutions to the needs of our customers. For many years, Labmodul has acquired experience in servicing its customers no matter where in the world their laboratory is located.

DANISH PRODUCTION QUALITY

Labmodul's laboratory solutions are produced and assembled at the company's own factories in Denmark. The regional placement of the factories ensures that the customer is provided with consistent, high quality, high-level security of supply, reorder guarantee, and services. Labmodul's production can easily and simply be adjusted to new materials and varying batch sizes. This flexibility adds great value to our customers.

Labmodul is a leading European manufacturer and distributor of Laboratory infrastructure products including but not limited to Biological Safety Cabinets, Fume Cupboards, Laboratory Furniture Systems, Ultra Low Temperature freezers, Clean Rooms experienced in providing products, design and installation services to help improve existing facilities or build new facilities. We are a leading supplier of Labs to very large installations including national level research facilities, leading Educational Institutions, Pharmaceutical companies, Oil & Gas giants and manufacturers of Chemicals across the globe.

Fully owned modern manufacturing facilities and a focus on groundbreaking design capabilities makes us a perfect choice for building labs for the needs of customers requiring high quality and high-end facilities. Our flexible approach to projects and requirements makes us a ideal partner in your pursuit for enhanced and optimized laboratory facilities.







SYSTEM PERFORMANCE



SYSTEM PERFORMANCE

- Flexible and interchangeable
- Future-proofed and suited for all purposes
- High quality for daily use
- Designed for GMO facilities
- Smart design
- Ergonomically adjustable
- Easy to clean



System Performance

PERFORMANCE is a furniture system with no supporting legs, designed to provide the highest degree of flexibility as well as cover future demands. The system is compatible with our other system solutions.

All constructions are thoroughly tested and the furniture system is made of resistant and robust materials to offer a durable solution suitable for many years of daily use.

Furthermore, the materials are carefully chosen with regard to recycling and sustainability.

The performance furniture system secures an exceedingly easy cleaning friendly laboratory that meets all regulative requirements for cleanrooms and GMO classifications



A wide selection

Performance offers a wide range of different worktop and front materials to choose from along with different types of hinges and drawer handles to fit the desired cabinet function precisely.

Drawers are delivered with 80 % soft close pull-out as standard or with 110 % soft close pull-out.

The base cabinets are mounted hanging in runners and can easily be moved by pulling the cabinet sideways

The flexibility allows for the establishment of sitting and working places as well as situating equipment beneath the worktop exactly where you need it.







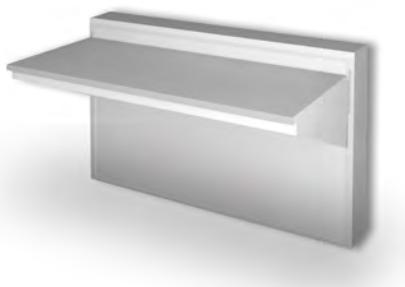
Excellent ergonomics

The modular sections provide a continuous and ergonomically correct adjustment of the worktops for each user or task. The sections can further be removed, in case of a future need for extra space or for larger equipment and devices.

The tabletops are offered with height adjustability.

The height-adjustable systems come in 2 versions:

- ◆ Hidden actuators with a height adjustment of 75 to 91 cm
- ◆ Visible actuators with a height adjustment of 70 to 110 cm



Hidden actuators built in the panel module. Carries 120 kg



Visible actuators built in the panel module. Carries 130 kg

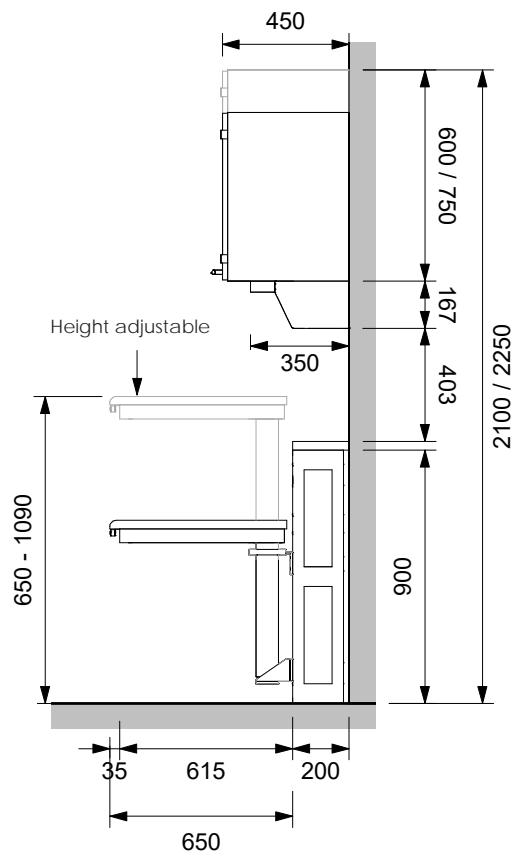
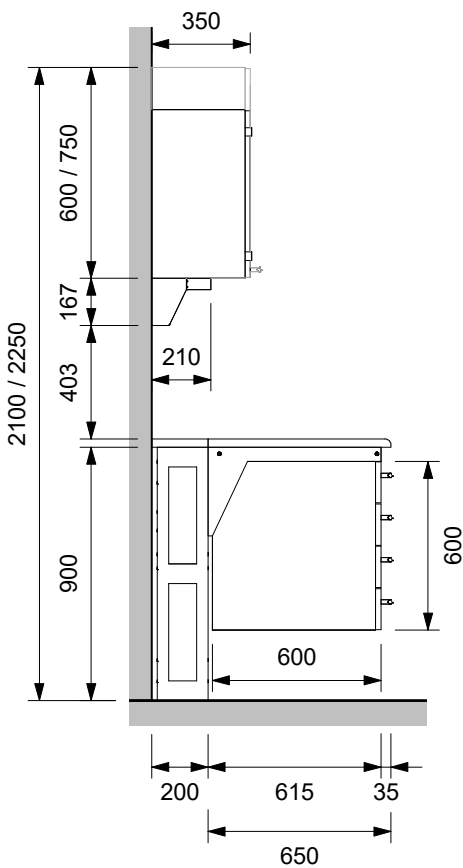
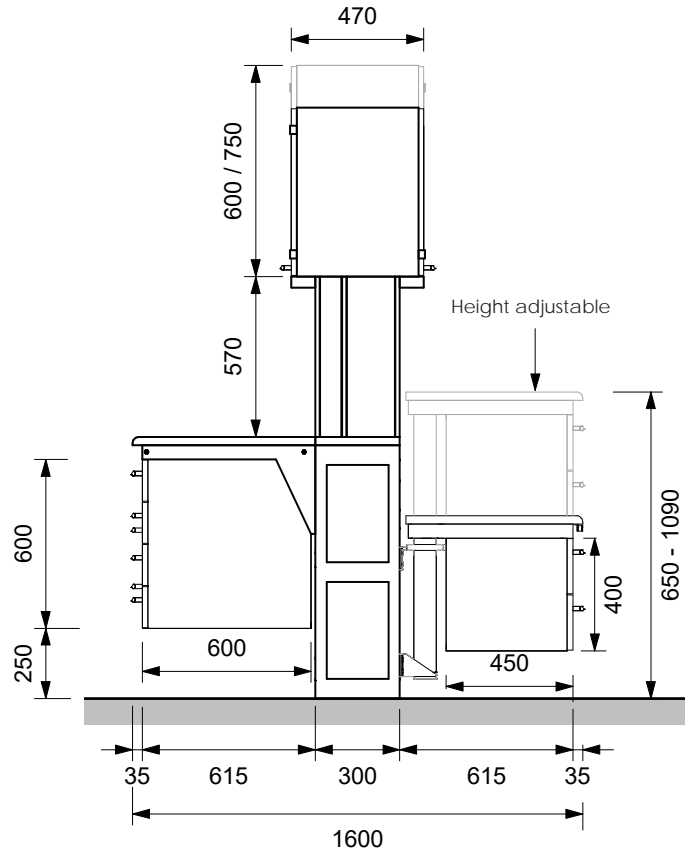
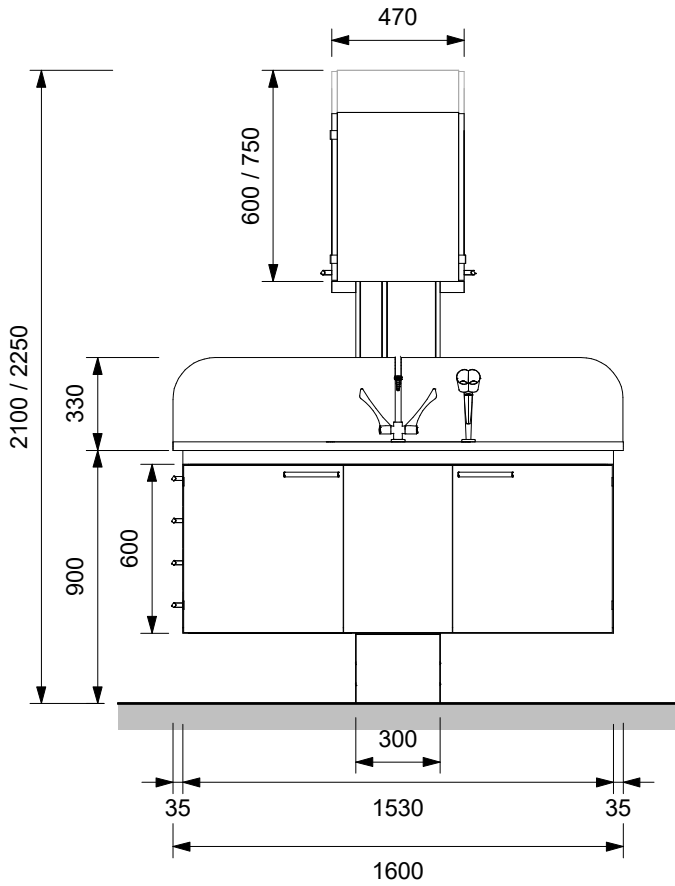


Wall module with visible actuators. Carries 125 kg

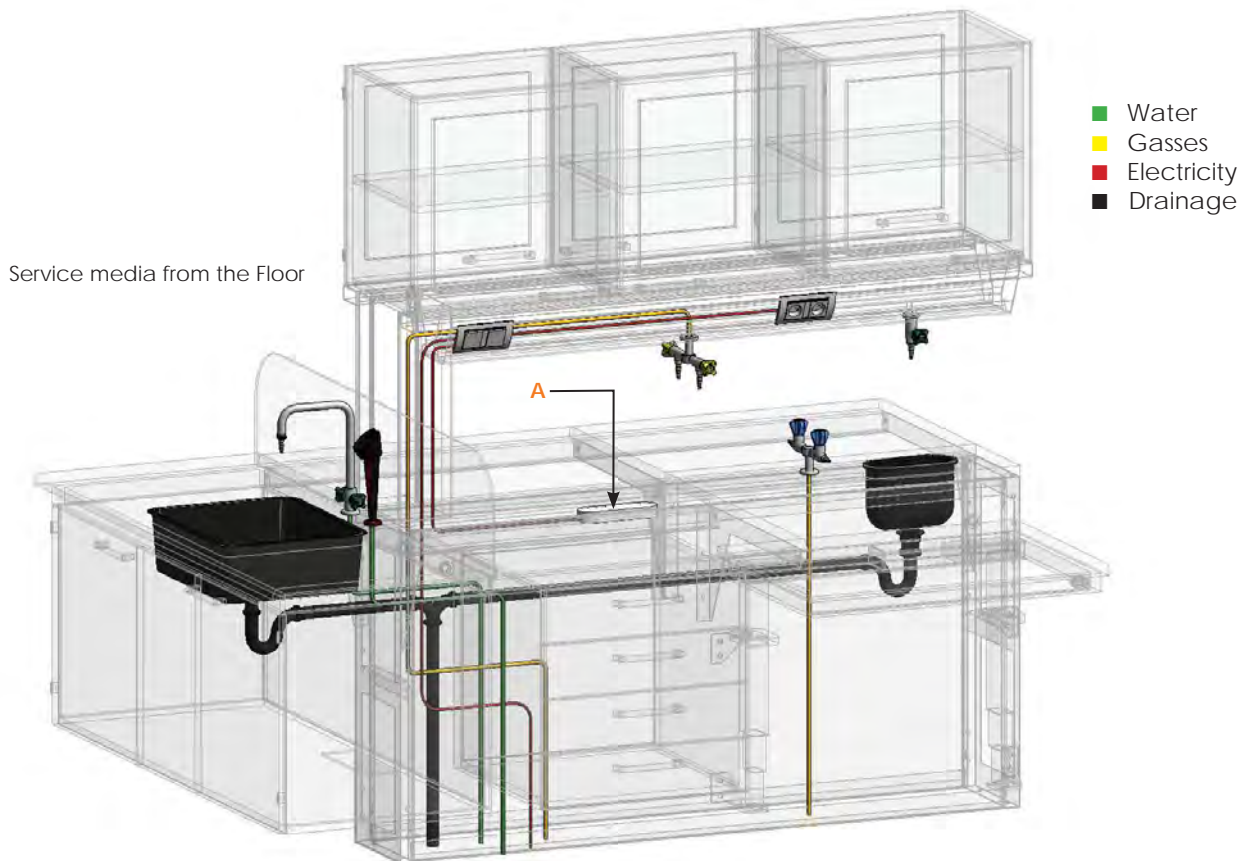




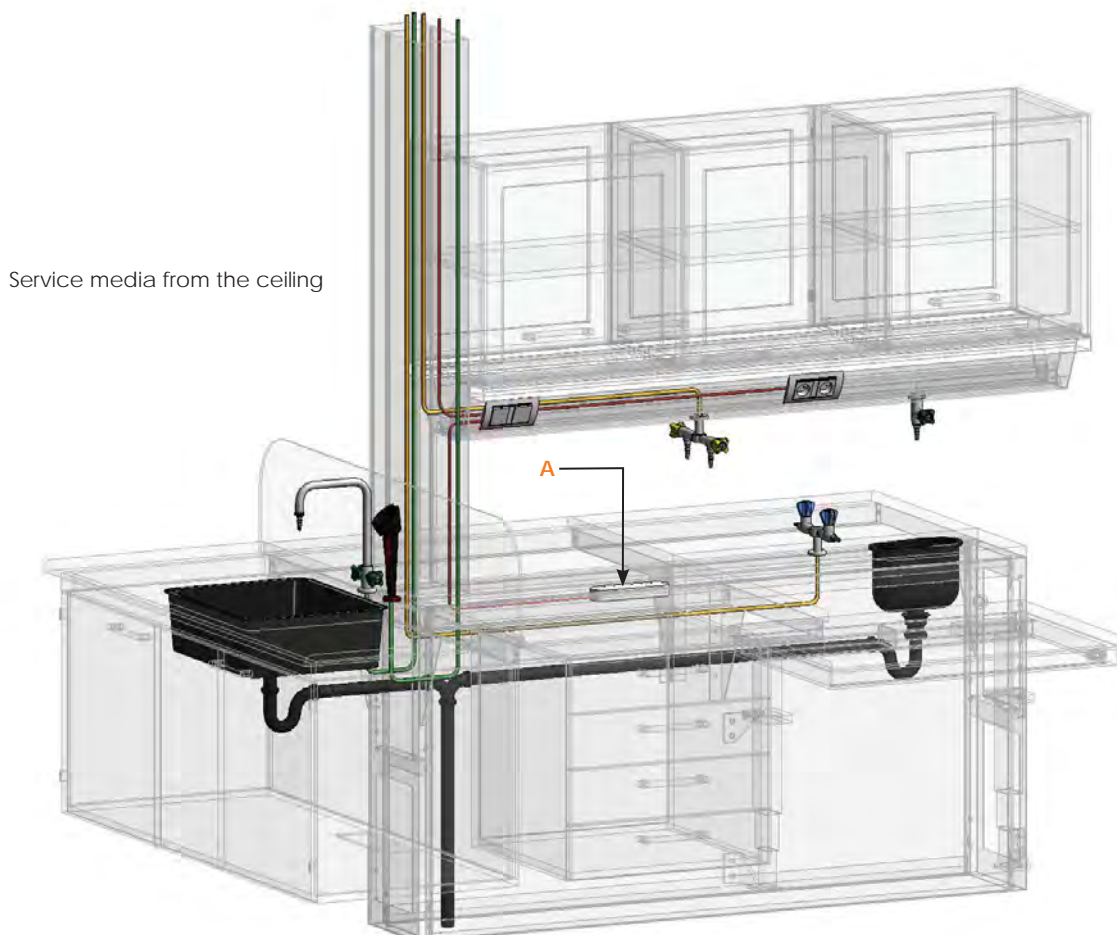
System Performance Technical Drawings



System Performance - Installations



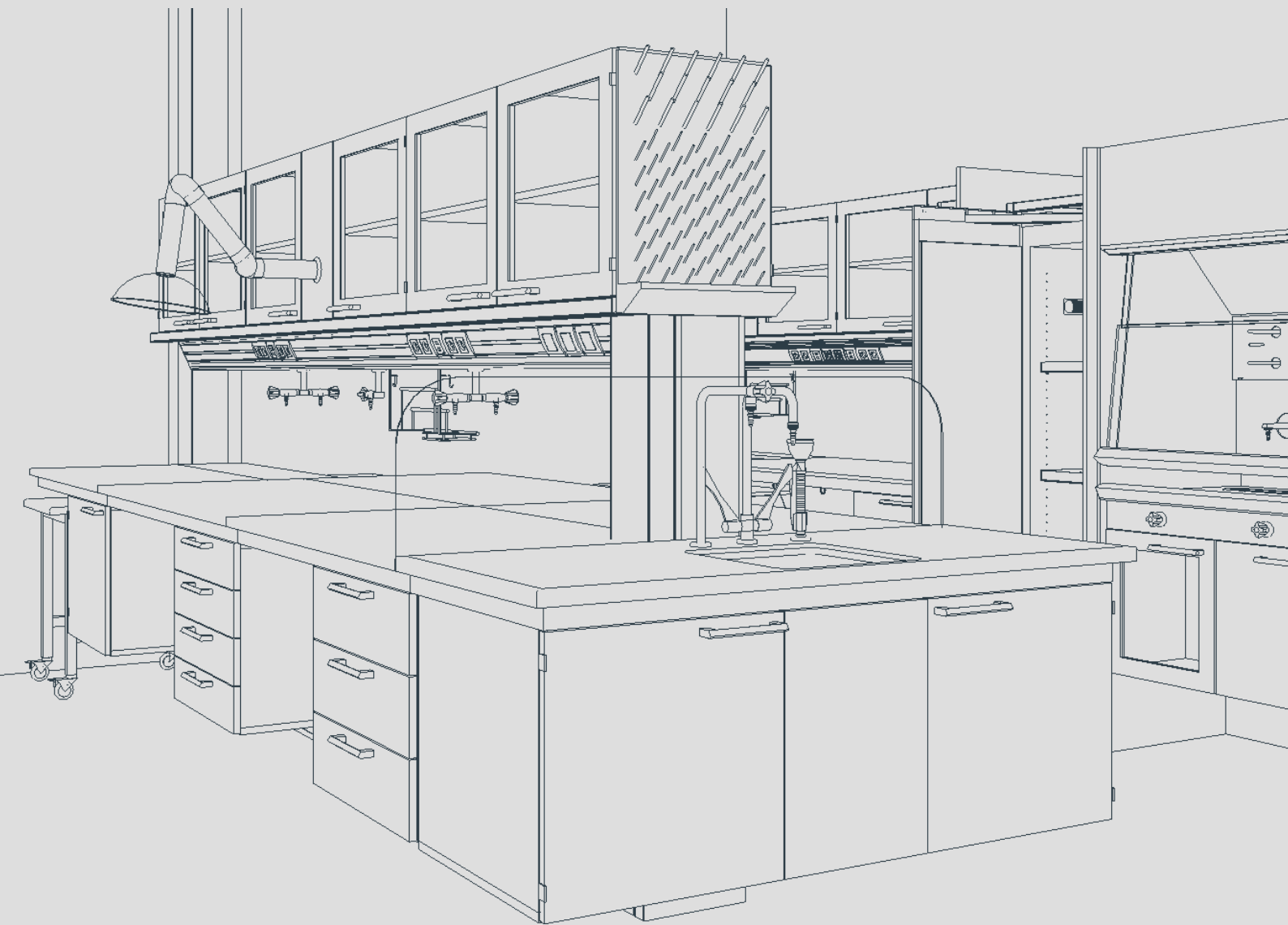
- A Sockets that come with the service bridge when we deliver height-adjustable support frames to the Performance system











SYSTEM STANDARD



SYSTEM STANDARD

- Flexible and movable
- Future-proofed and suited for all purposes
- High quality for daily use
- Great load bearing
- Smart design
- Great carrying capacity for heavy equipment
- Easy to Clean



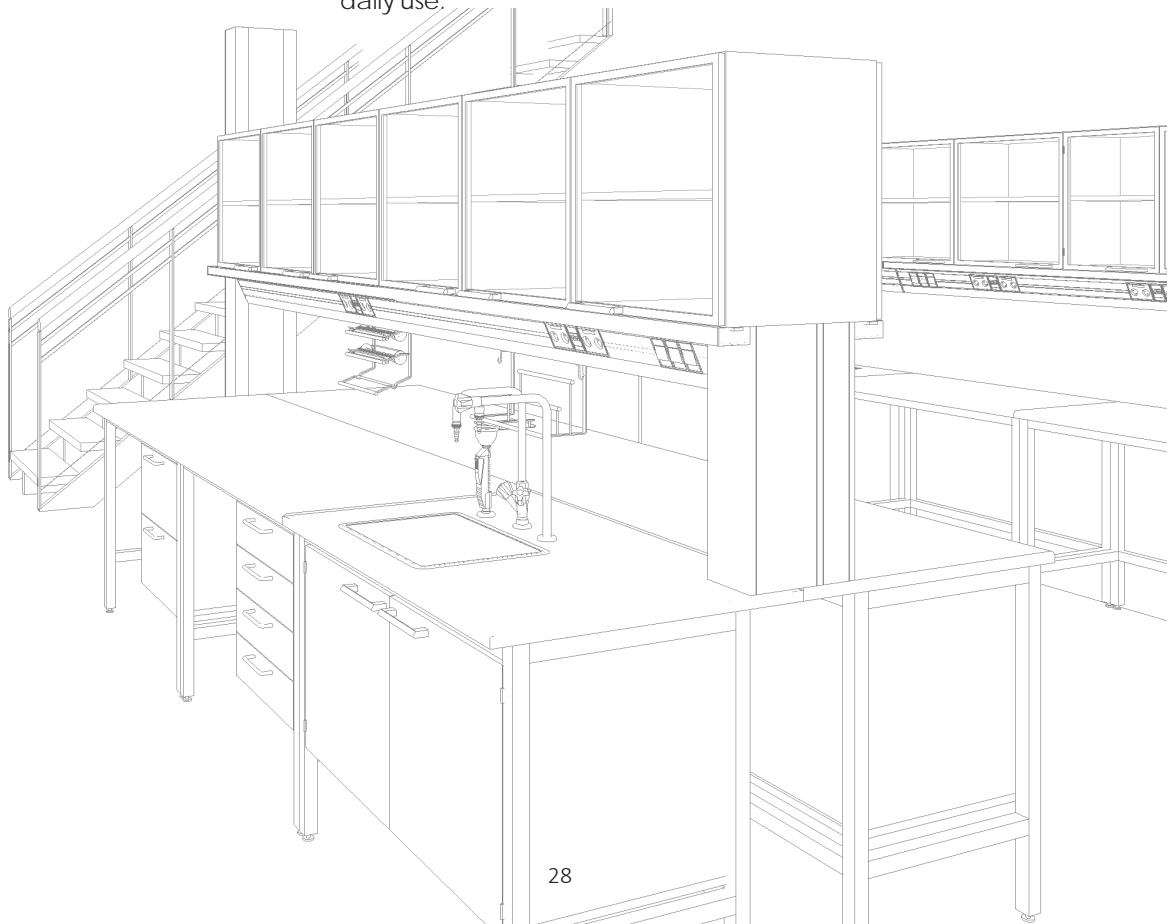
System Standard

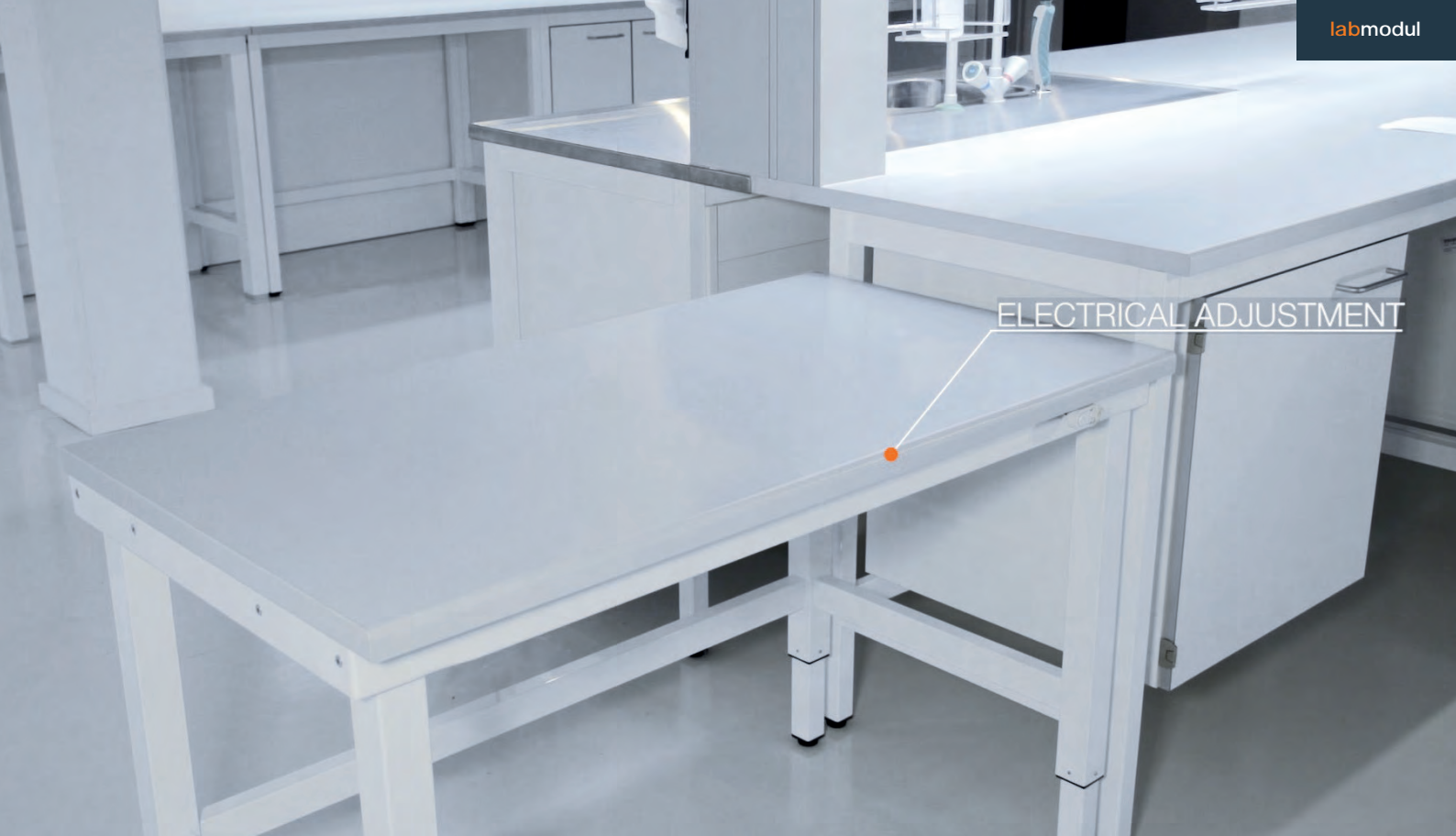
Standard is a movable furniture system with strong construction designed for easy combination. The system is compatible with our other system solutions.

All constructions are thoroughly tested and the furniture system is produced of resistant and robust materials to ensure a durable solution for many years of daily use.

Furthermore, the materials are carefully chosen with a focus on recycling and sustainability.

The Standard furniture system is exceedingly flexible because of the aluminum frame that makes it possible to shorten the modules to the desired width.





Good ergonomics

The tables can be delivered with different types of electrical height adjustments.

We offer 2 different control panels for the height-adjustment systems:

- 🔥 up / down buttons
- 🔥 up/down buttons with memory function for up to 3 personalized settings



🔥 Actuator for normal loads (200 kg.)



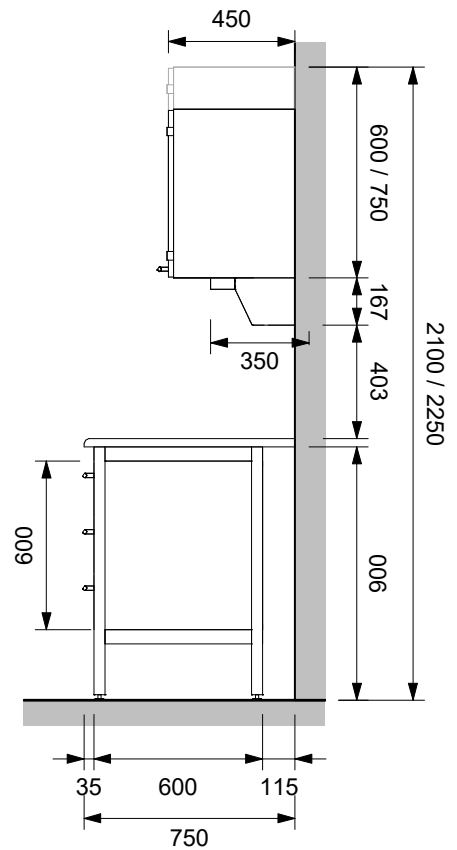
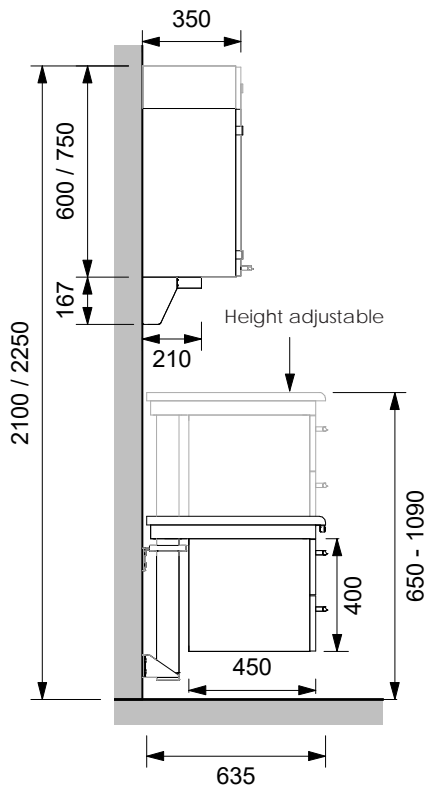
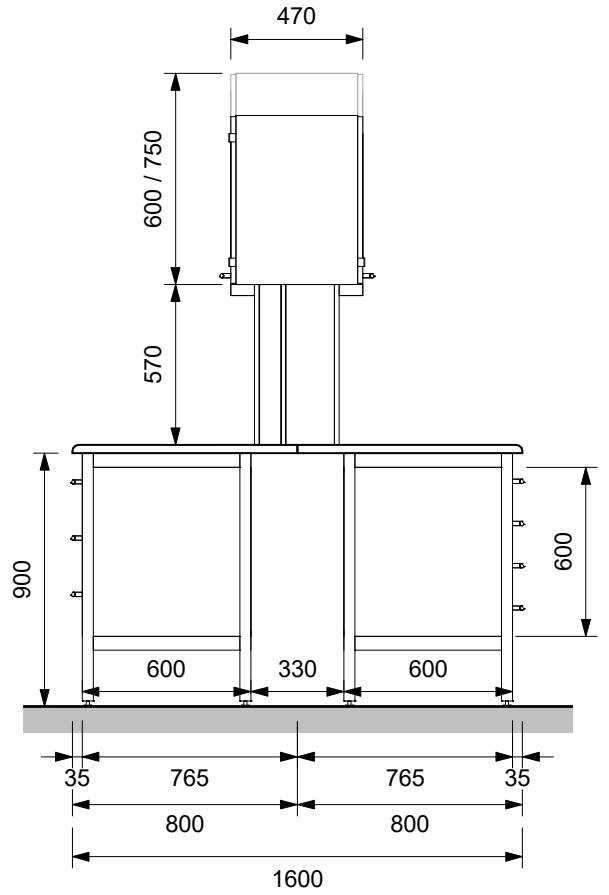
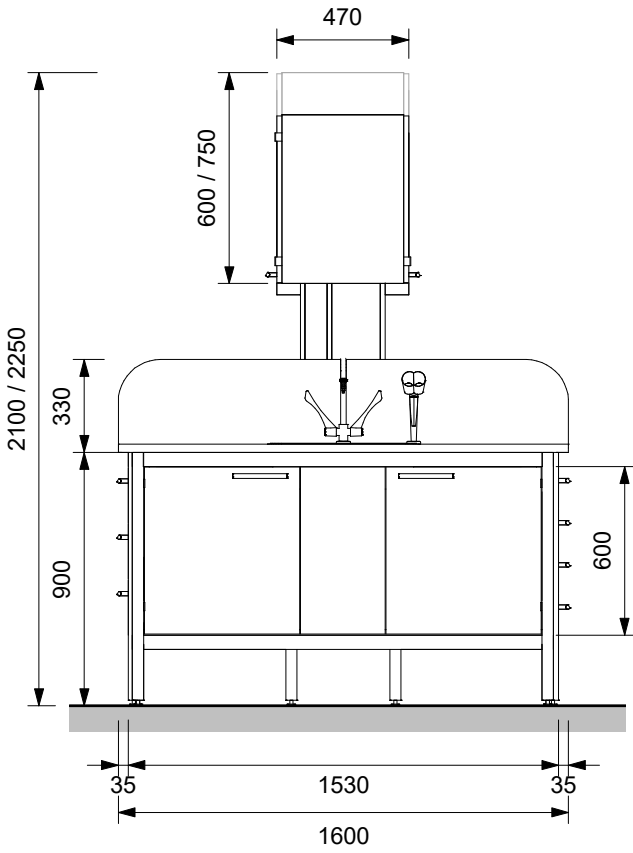
🔥 Hydraulic for heavy loads (300 kg.)



🔥 Mobile lift loads (150 kg.)

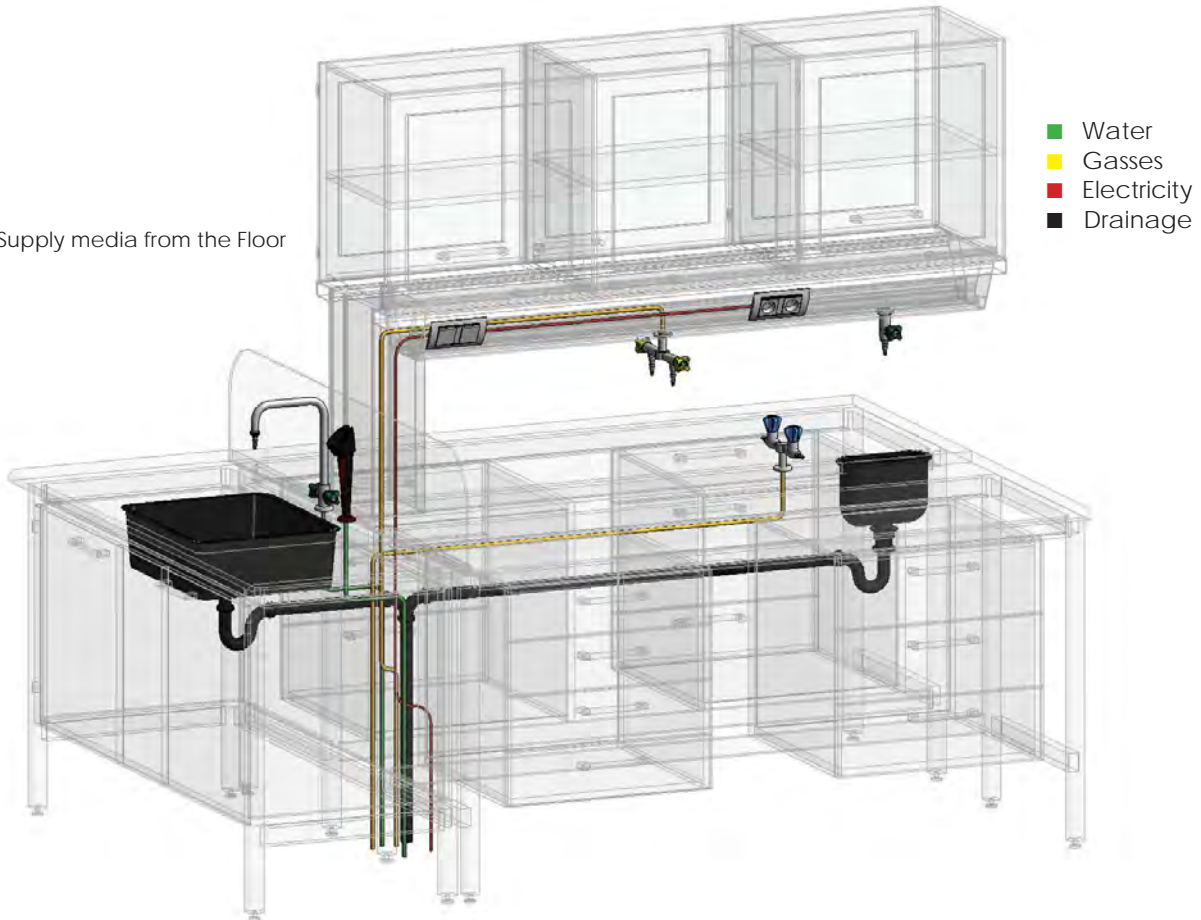


System Standard Technical Drawings



System Standard - Installation

Supply media from the Floor



Supply media from the ceiling





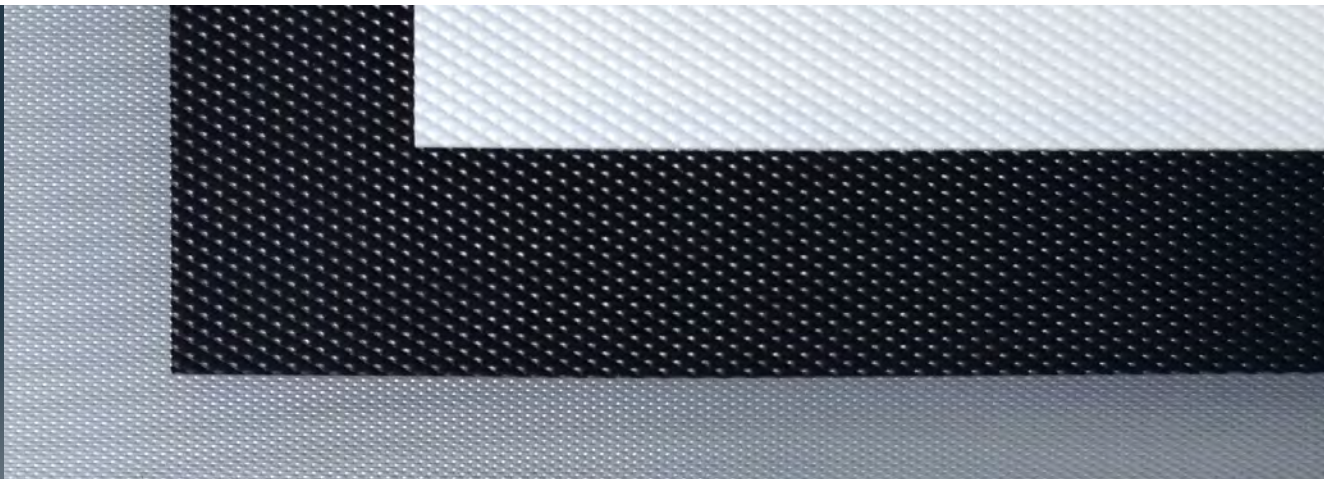
A broad program

Performance and standard systems are delivered with a broad range of different worktops and front materials to choose from, along with different types of hinges and drawer handles to fit the desired cabinet function precisely.

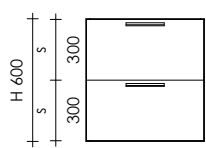
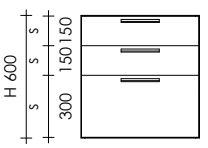
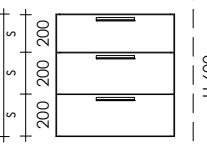
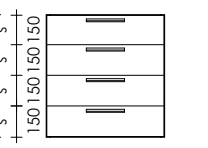
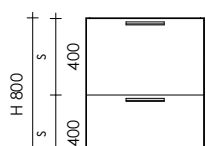
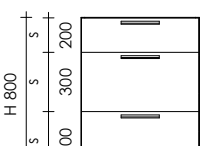
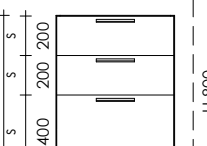
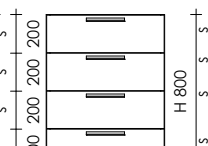
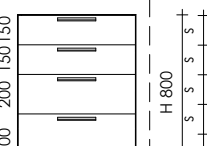
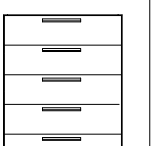
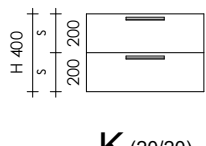
Drawers are delivered with 80 % soft close pull out as standard or with 110% soft-close + pull out.

The base cabinets are mounted hanging in runners and can easily be moved by pulling the cabinet sideways

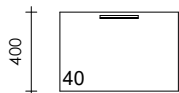
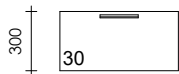
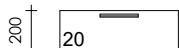
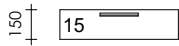
The flexibility of the system allows seating, workstations, and sub-worktable equipment to be established where needed.



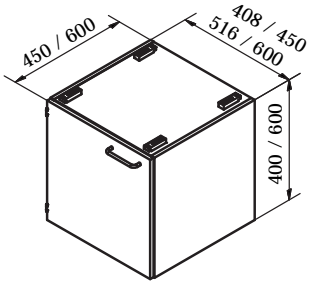
Drawer combinations

	2 drawers	3 drawers	4 drawers	5 drawers		
Suspended / Plinth / Mobile	 <p>A (30/30)</p>	 <p>B (30/15/15)</p>	 <p>C (20/20/20)</p>	 <p>D (15/15/15/15)</p>		
On Plinth	 <p>E (40/40)</p>	 <p>F (30/30/20)</p>	 <p>G (40/20/20)</p>	 <p>H (20/20/20/20)</p>	 <p>I (30/20/15/15)</p>	 <p>J (20/15/15/15/15)</p>
Suspended / Mobile	 <p>K (20/20)</p>					

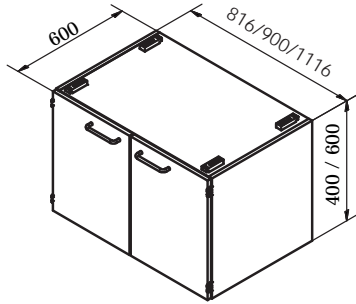
Drawer front sizes



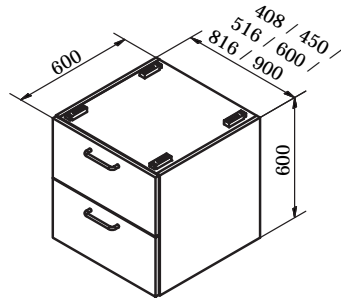
Underbench cabinet suspended



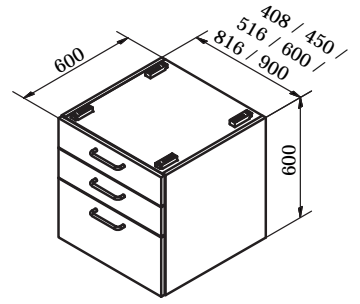
Cabinet with 1 door



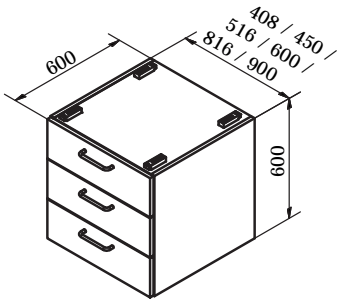
Cabinet with 2 door



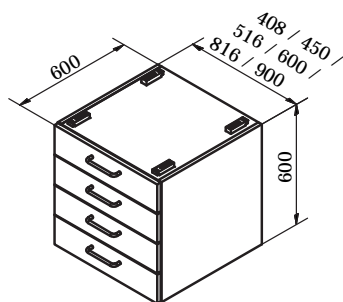
Cabinet with 2 drawers - kom. A



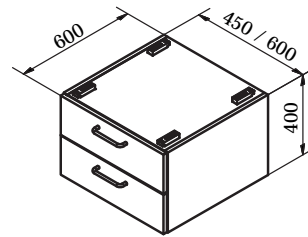
Cabinet with 2+1 drawers - kom. B



Cabinet with 3 drawers - kom. C

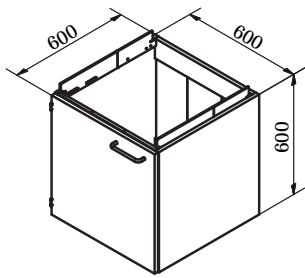


Cabinet with 4 drawers - kom. D

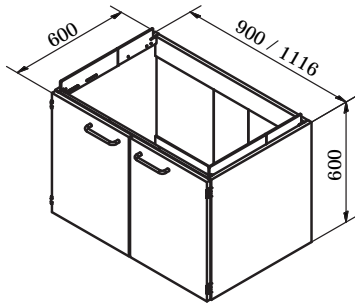


Cabinet with 2 drawers - kom. K

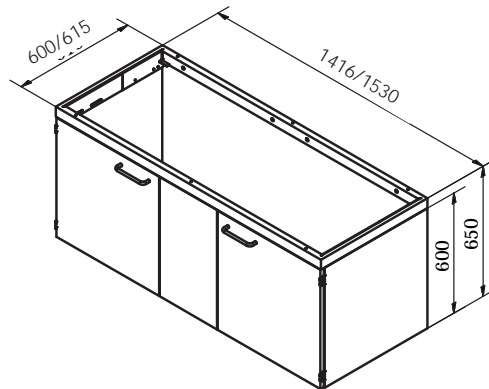
Sink cabinet suspended



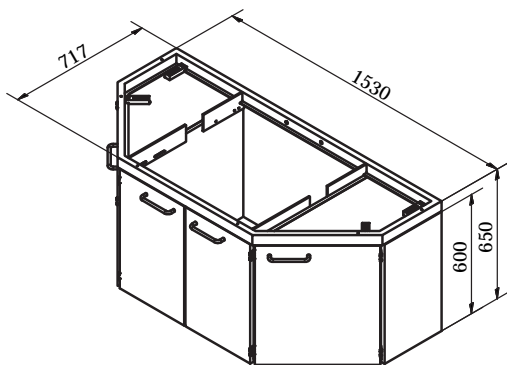
Sink cabinet with 1 door



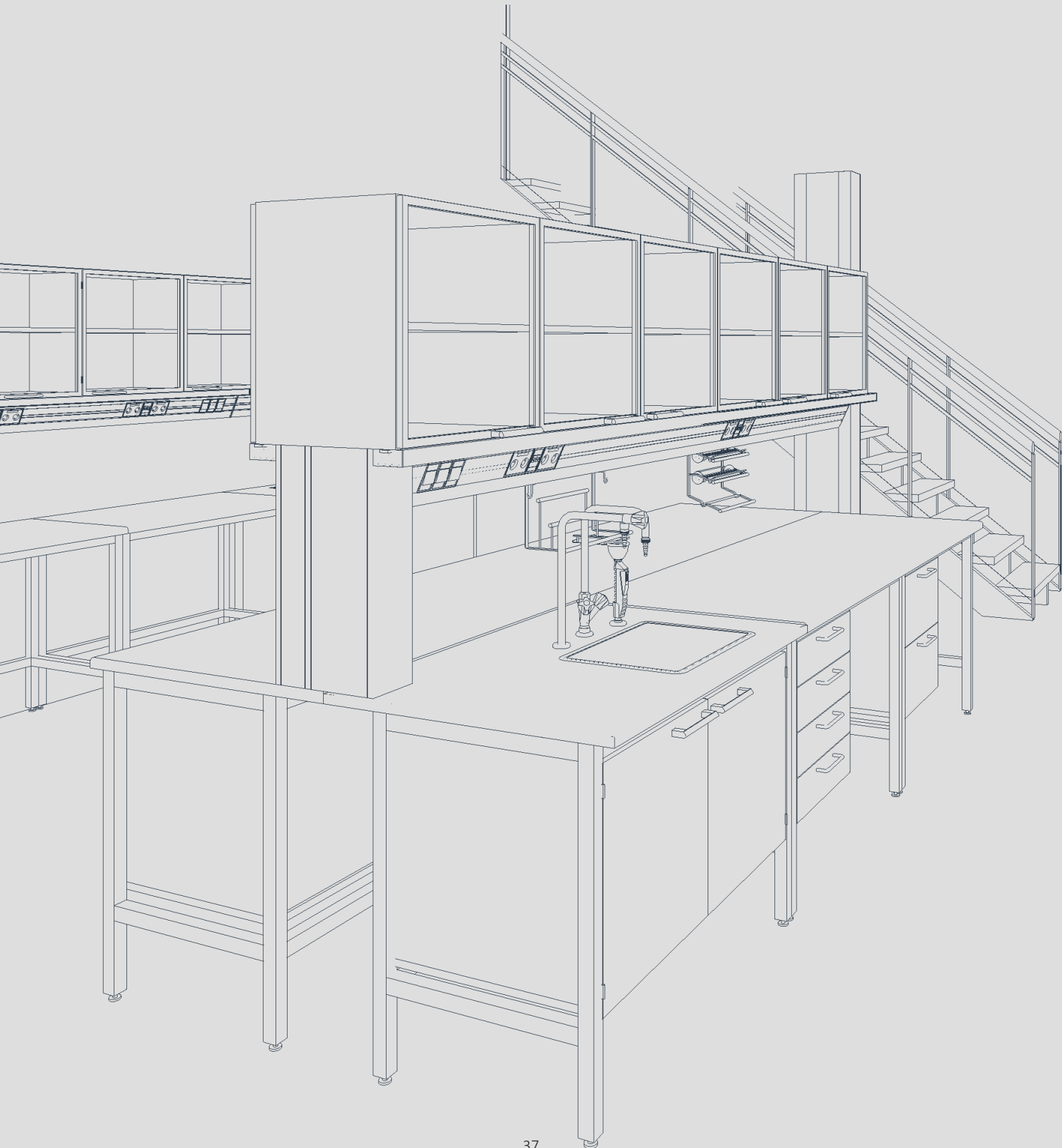
Sink cabinet with 2 door



Sink cabinet, 2 doors with middle piece



Sink cabinet, 4 doors with 6 edges



SYSTEM CAPACITY



SYSTEM CAPACITY

- Spacious with extra storage capacity
- Prepared for trays and baskets
- High quality for daily use
- Designed for GMO facilities
- Modern design
- Great carrying capacity for heavy equipment
- Easy to clean



System Capacity

Capacity fully exploits the room beneath the worktop and offers a large storage capacity.

It is stationary, stable, and particularly suited for laboratories with heavy equipment.

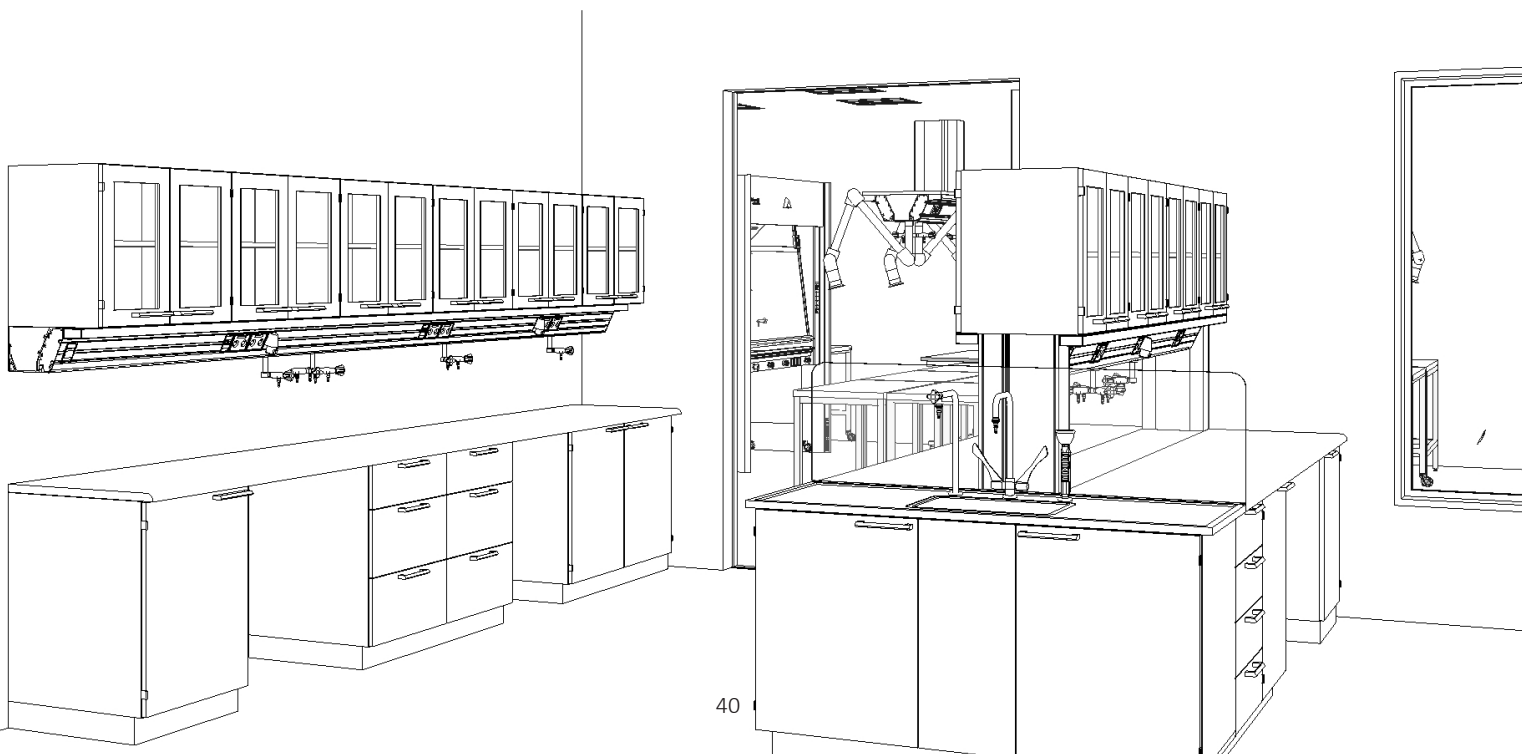
The cabinets come in two heights for standing or sitting when doing specific work tasks.

The cabinets are prepared for mounting of 60/40 storage system panels and can be delivered with system trays and baskets either from the beginning or to be added later on.

Dishwashers and other equipment up to a height of 87cm can be placed under the benchtops.

Capacity can be combined with our other furniture systems.

Benches can be fitted with a service bridge containing light and built-in supply installations for power, gasses, water, etc



Capacity for GM

Capacity is suitable for laboratories with high cleanliness demands.

Underbench cabinets are mounted on a waterproof plinth clad with laminate.

This solution covers all GMO requirements.

The cabinets are prepared to adapt to the comprehensive ISO tray/basket system 60/40.

Solutions for Clean Rooms

Capacity is offered with cabinet carcass and fronts made from compact laminate for clean rooms and other work environments that require inorganic materials that can withstand water and moisture.



A wide programme

Capacity is offered with cabinet boxes and fronts made of compact laminate for working environments demanding a solution of inorganic material, resistant to humidity and water.

Base cabinets are mounted on a laminated waterproof plinth. This is an easy-to-clean solution meeting all GMO furnishing requirements.

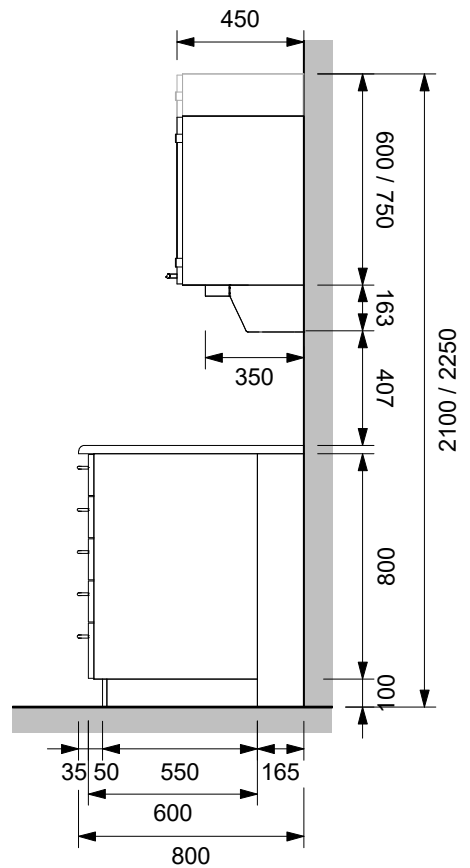
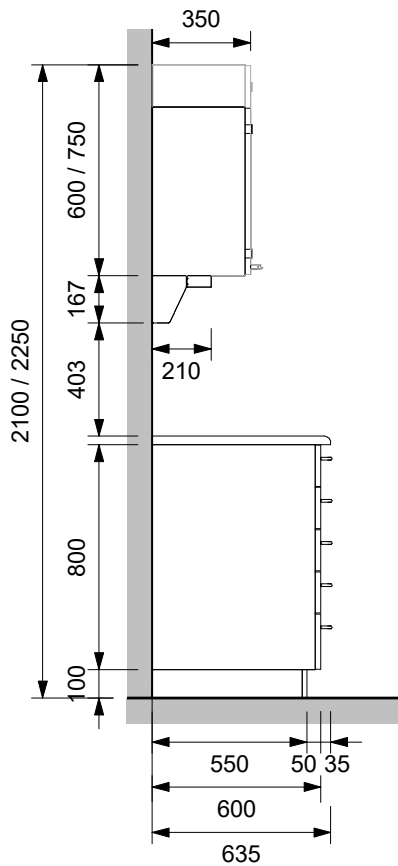
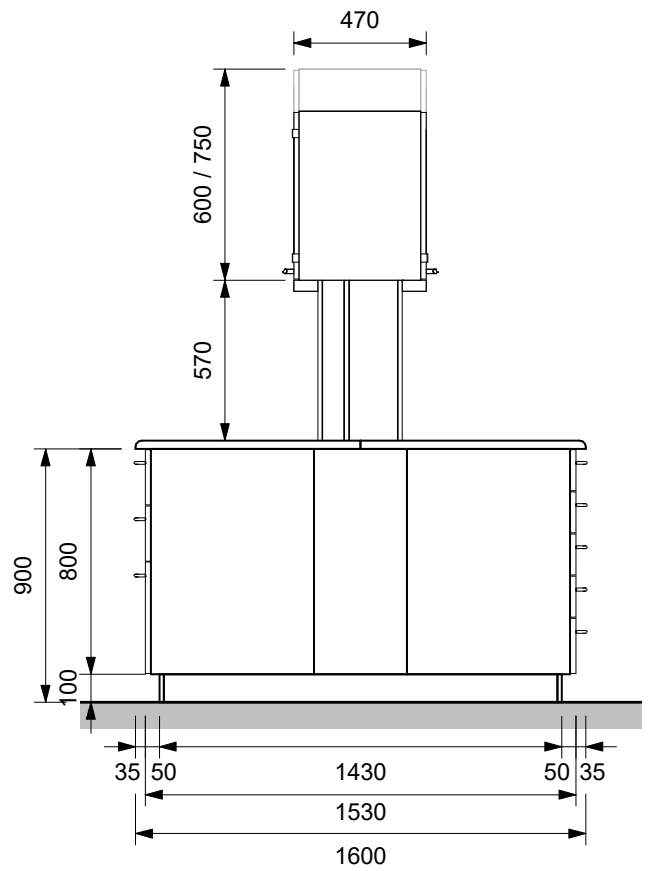
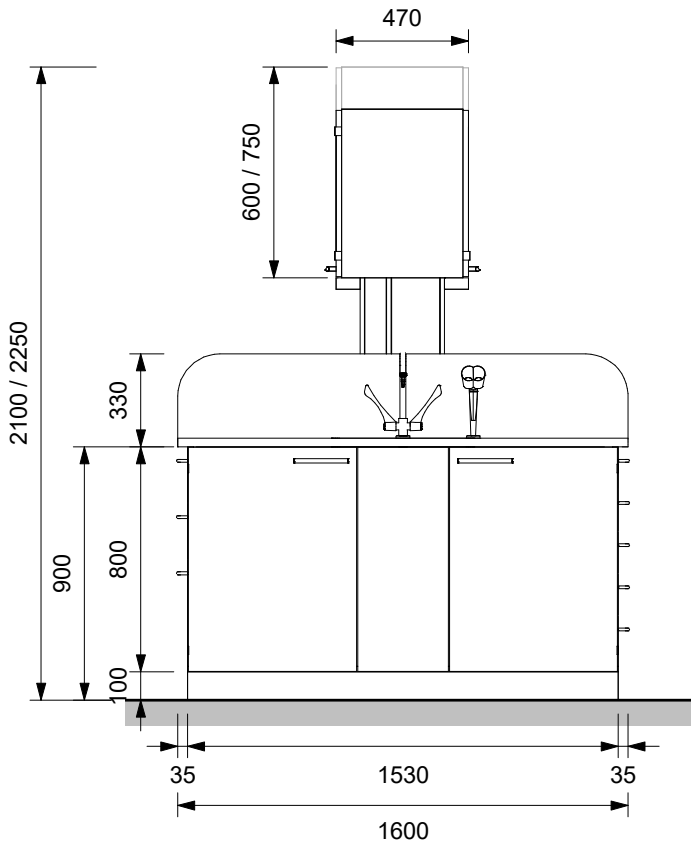
The cabinets are prepared for the extensive ISO tray/basket system 60/40.

The flexibility provides an extra storage room and the tray system offers unlimited possibilities for further division and organization of smaller spaces.

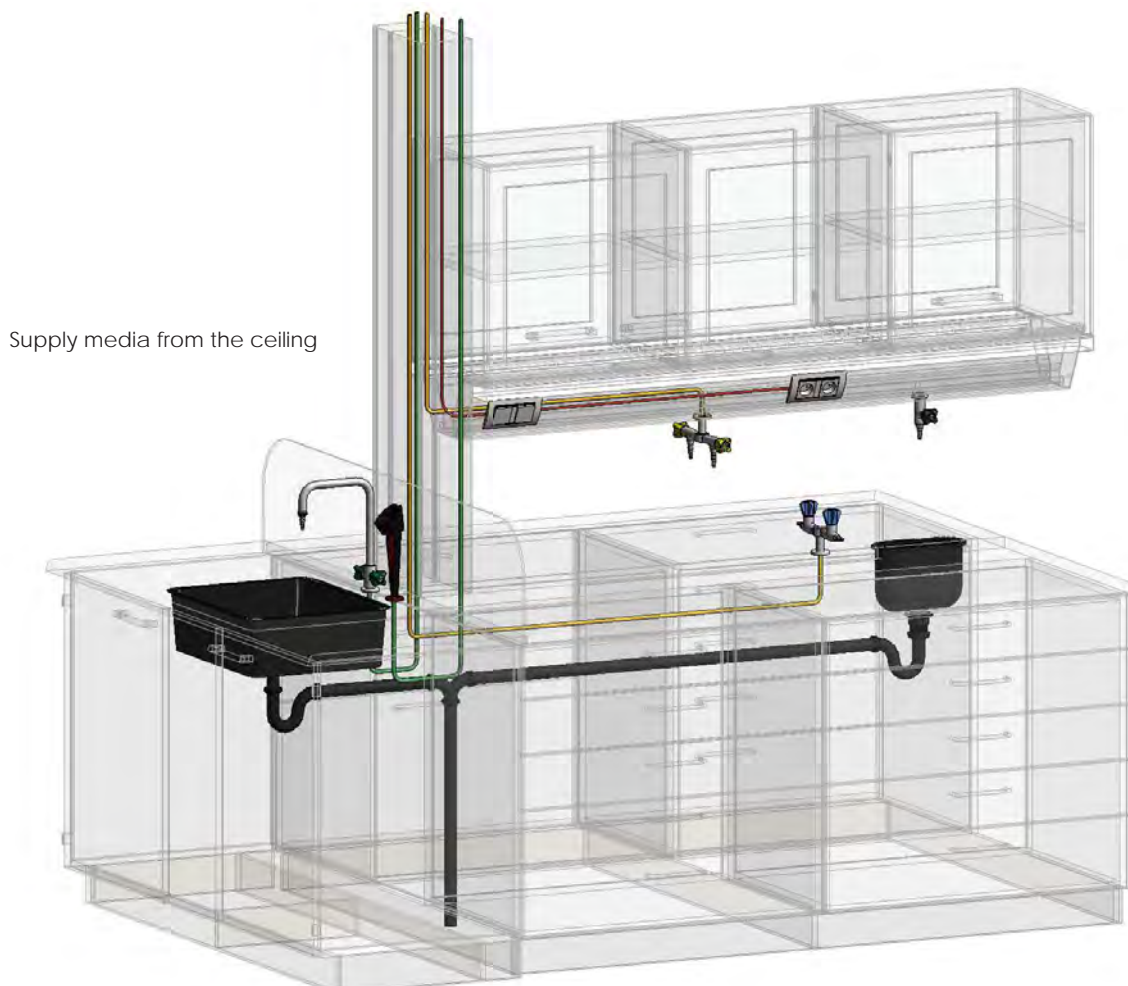
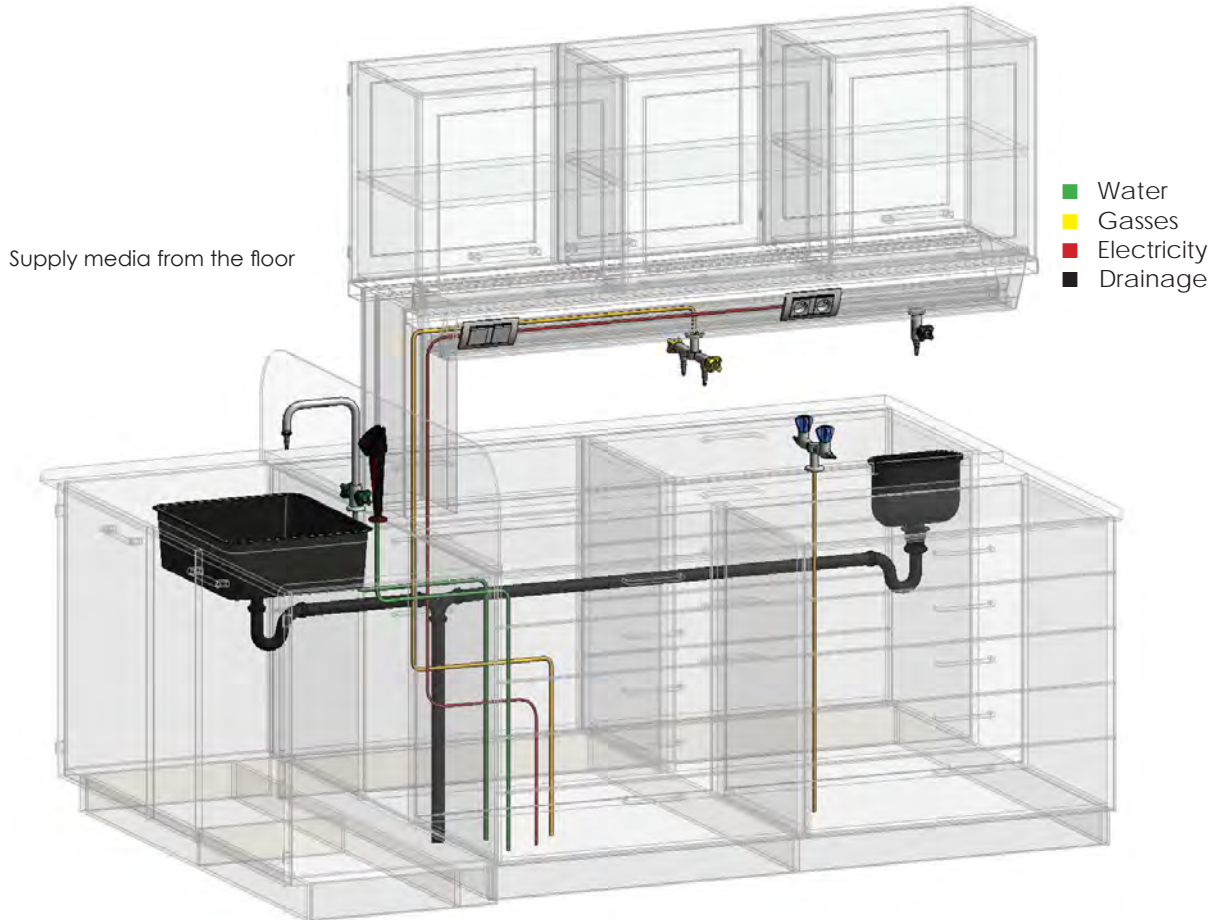




System Capacity Technical Drawings

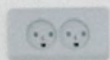


System Capacity - Installations

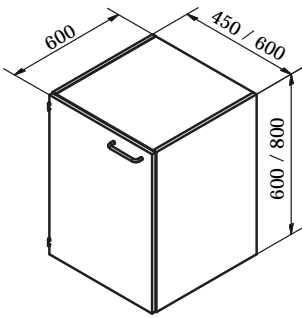




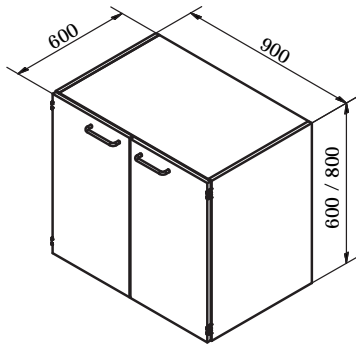




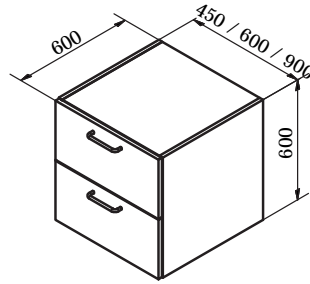
Underbench Cabinet on plinth



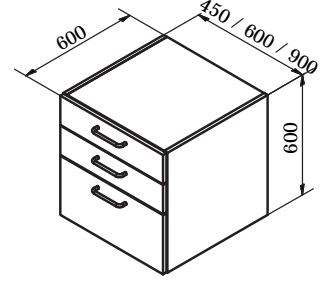
Cabinet with 1 door



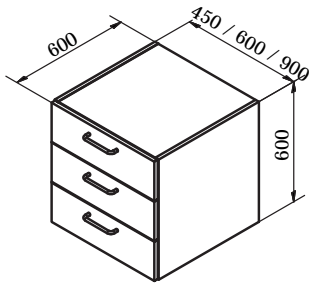
Cabinet with 2 door



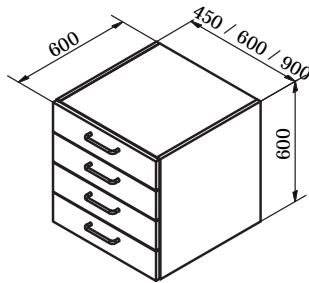
Cabinet with 2 drawers - comb. A



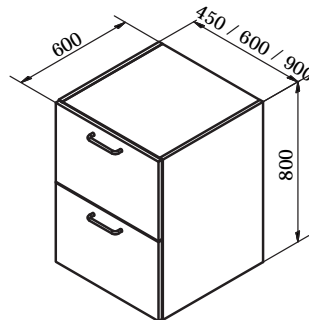
Cabinet with 2+1 drawers - comb. B



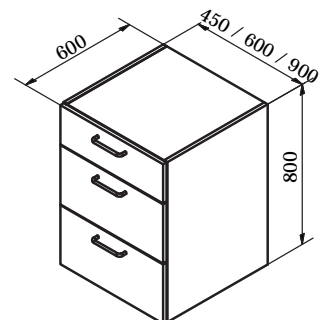
Cabinet with 3 drawers - comb. C



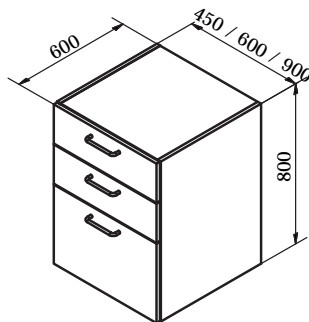
Cabinet with 4 drawers - comb. D



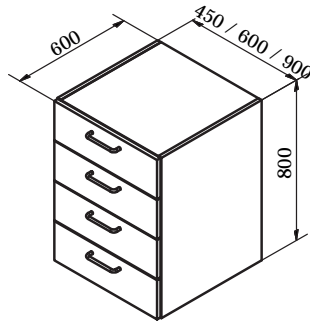
Cabinet with 2 drawers - comb. E



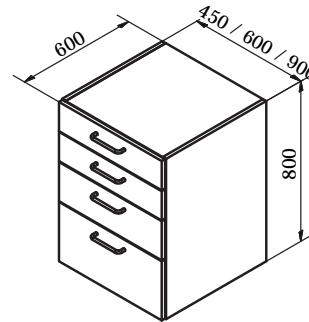
Cabinet with 1+2 drawers - comb. F



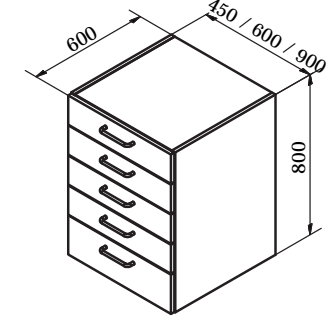
Cabinet with 2+1 drawers - com. G



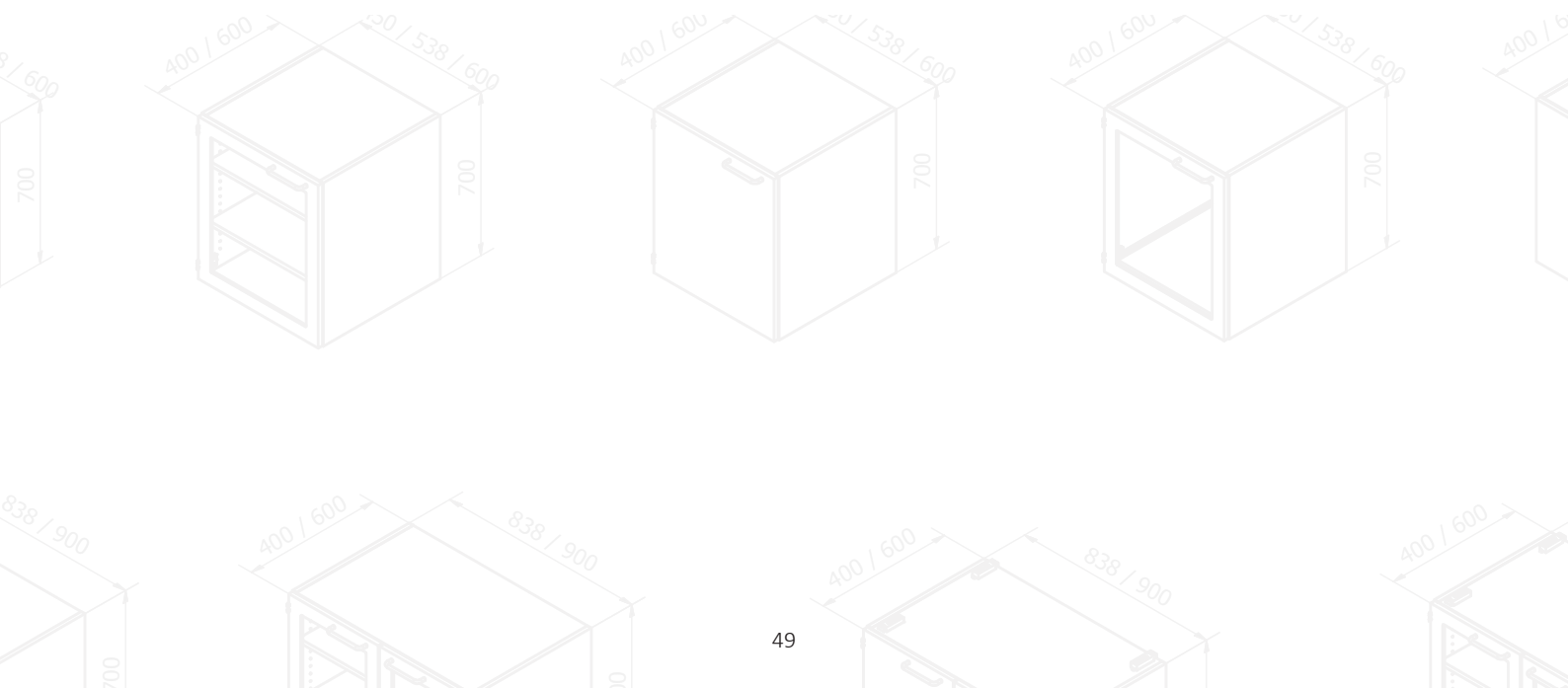
Cabinet with 4 drawers - comb. H



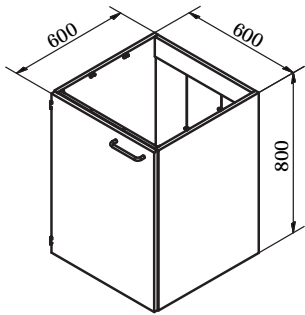
Cabinet w. 2+1+1 drawers - comb. I



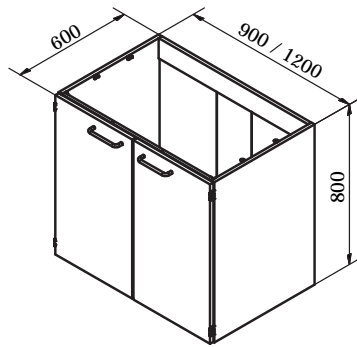
Cabinet with 4+1 drawers - comb. J



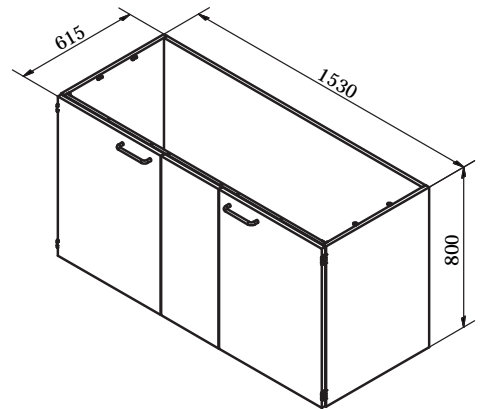
Sink underbench Cabinet on plinth



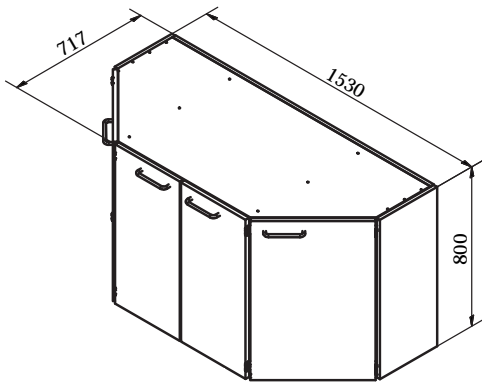
Sink cabinet with 1 door



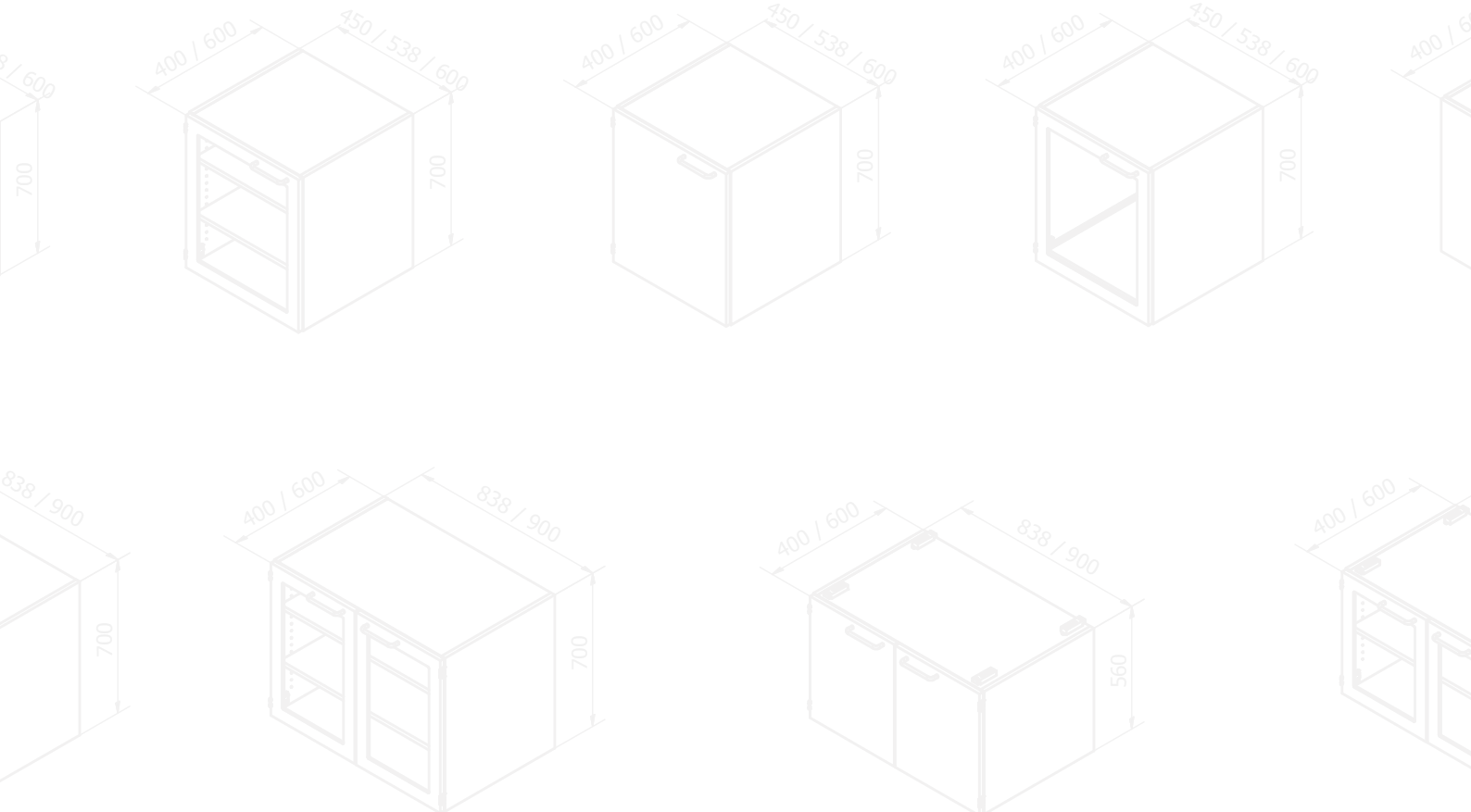
Sink cabinet with 2 door



Sink cabinet, 2 doors with middle piece



Sink cabinet with 6 edges, 4 doors









COMPACT LAMINATE CABINETS FOR
CLEANROOM



COMPACT LAMINATE CABINETS FOR CLEANROOM

- ┌ Modern design
- ┌ High quality for daily use
- ┌ Great carrying capacity for heavy equipment
- ┌ Easy to clean



Compact Laminate Cabinet

In cleanrooms and rooms with high relative humidity, furniture made completely with compact laminate is used. The thickness is 16mm with a black core.

The compact laminate used meets the requirements of EN 438 and ISO 4586, which requires resistance to stain from a wide range of chemicals and more than 40 substances, which can be expected to meet in daily life.

Compact laminate is made from several layers of paper impregnated with thermosetting resins which are compressed under high pressure (≥ 5 MPa) and heat ($\geq 120^\circ\text{C}$) into a homogeneous material.

Density: ≥ 1.35 g / cm³.



Compact laminate cabinets for GM

Compact laminate is suitable for laboratories with high cleanliness demands.

Underbench cabinets are mounted on a waterproof compact laminate plinth.

This solution covers all GMO requirements.

Solutions for Clean Rooms

It is offered with cabinet carcass and fronts made from compact laminate for clean rooms and other work environments that require inorganic materials that can withstand water and moisture.











SYSTEM KITE



SYSTEM KITE

┌ Plug & Play

┌ Flexibility & Mobility

┌ Ready for change

┌ What you need, when you need, where you need



System KITE

Total flexibility

KITE system solution is a functional, flexible and open space solution.

Kite creates the basic technical framework for multipurpose functional spaces, where settings and features can be quickly and efficiently established within a short time.

Multipurpose space modifications are suitable for both laboratory facilities and many other types of room facilities.

KITE system solution provides a particularly cleaning-friendly laboratory that also meets all regulatory requirements for cleanrooms and GMO classifications.

The concept is built of ceiling-mounted installation modules in a modern design. The modules contain installations such as ventilation, electricity, water, and gases, so all workstations can be moved around the room and connected everywhere.

The ceiling modules have built-in LED light fixtures and can be easily expanded with additional installations, that can easily be added.



WHAT YOU NEED, WHEN YOU NEED

Mobility

The KITE system is offered with a wide range of sockets for EL and networks as well as plumbing and gas. KITE XL also allows for a flexible solution of process vacuum for point exhaust arms and mobile ventilated units.

The possibilities for establishing workstations under the KITE media module can be done as needed and with either sitting, standing workplaces, or other equipment installations.



The Kite and KITE XL multipurpose space system solution is designed as a ceiling-mounted media solution that provides the ultimate flexibility for fixed and mobile devices in the workspace. The flexibility includes, among other things, loose removable tables, mobile benches and carts, exhaust cabinets, and mobile fume cupboards... WHAT YOU NEED, WHEN YOU NEED, AND WHERE YOU NEED IT.



Mobile storage cabinet for point exhaust arms

When the point exhaust arms are not used, they are stored in a mobile storage cabinet. The cabinet protects the point exhaust arms from impurities and at the same time, there will be more workplace at the table for other purposes.



The mobile storage cabinet can accommodate 10 point exhaust arms. B120 cm, H136 cm







KITE Service Bridges

The service bridge is offered with integrated LED low-energy work light from 500 to 1000 lux and with optional color light in 3000 and 4000 Kelvin.

The furniture system is designed so that the service bridge can be mounted either with a strong suspension structure or as a wall-mounted model.



Installations

KITE system is available in 2 editions;

KITE

With lighting fixture ready for:

- 🔥 VVS
- 🔥 Gas
- 🔥 EL
- 🔥 Network outlets
- 🔥 Installations for supplies

KITE XL

With lighting fixture ready for:

- 🔥 VVS
- 🔥 Gas
- 🔥 EL
- 🔥 Network outlets
- 🔥 Installations for supplies
- 🔥 Ventilation



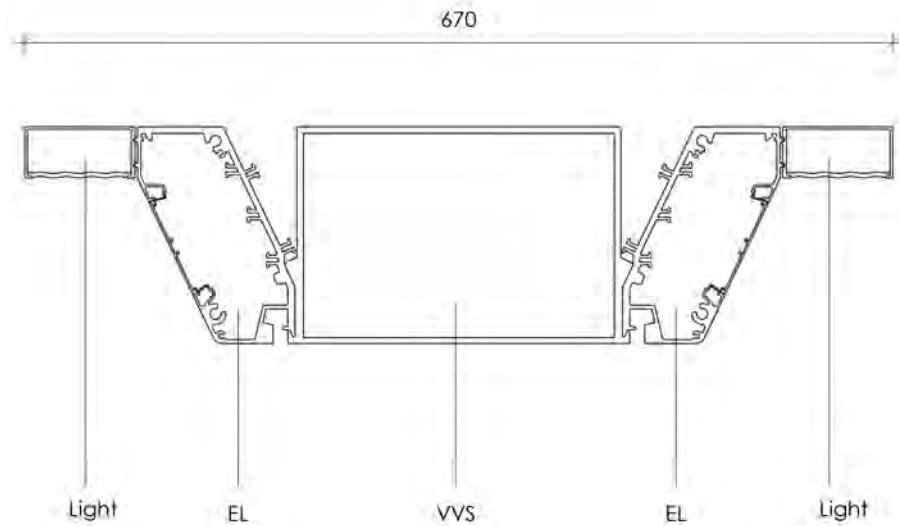
The multipurpose space solutions ensure optimal use of the room and workplaces for quick conversion to accommodate new features and needs.

KITE is future-proofed for easy access to installations and prepared for additional emerging needs for outlets for EL, plumbing, and gas extraction. An Outlet for point exhaust arms and other outlets can be established as PLUG & PLAY Quick-Connect connections ready for use when the need arises.



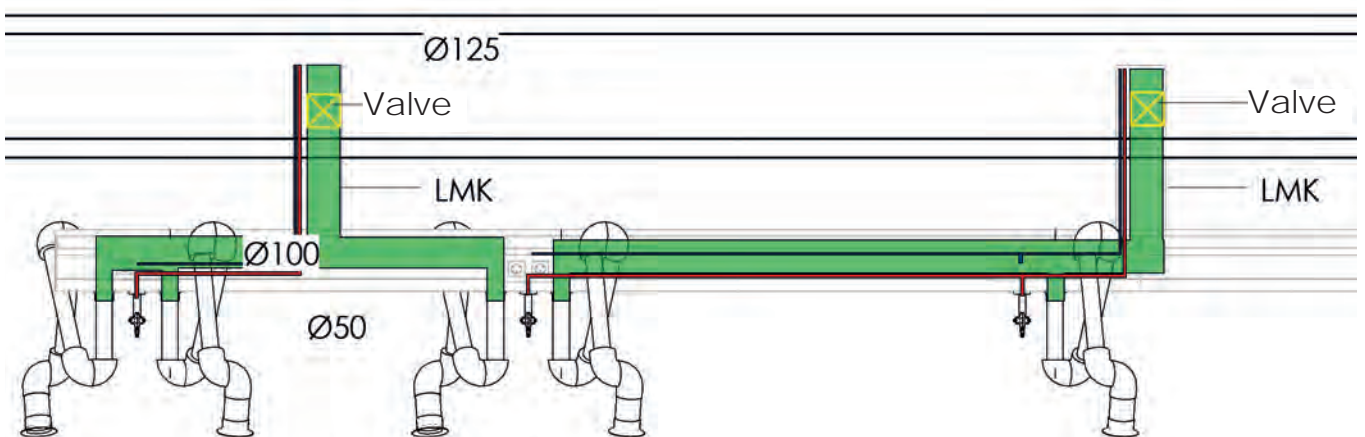


Sectional drawing



Installation principle

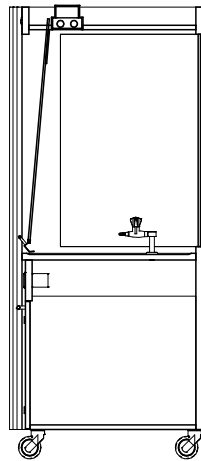
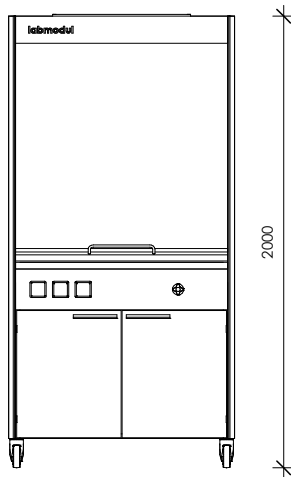
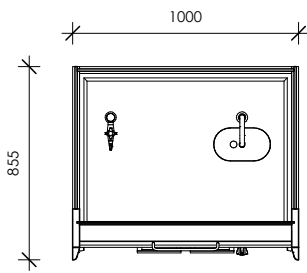
- Ventilation
- EL
- Water and gases





Greenline Mobile

Mobile fume cupboard with safety glass on 4 sides. 2000mm high and with slanted sash window. underbench for storage and possibility of placement of flexible connections for connection of EL and plumbing to the house's installations.



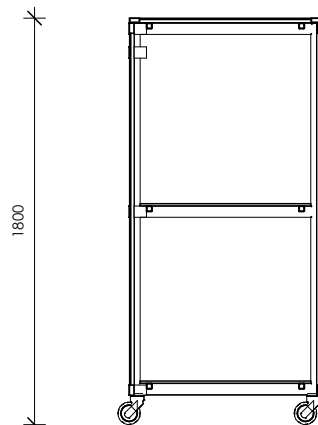
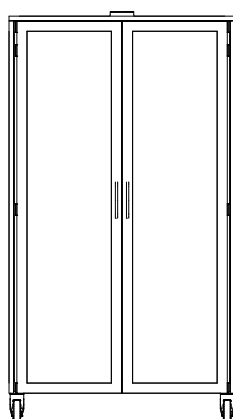
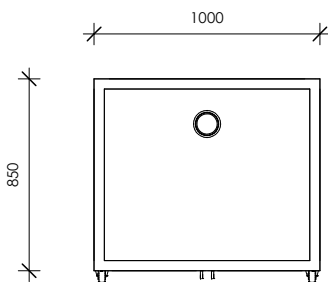
Instrument cabinet

Used for many types of equipment in operation. Delivered prepared for ventilation. Equipment that emits heat or noise can be advantageously placed in these.

Instrument cabinet is offered in 2 standard sizes:

- 🔥 WxDxH 750 x 800 x 2000 mm
- 🔥 WxDxH 1000 x 800 x 2000 mm

Offered with two or three fixed shelves.



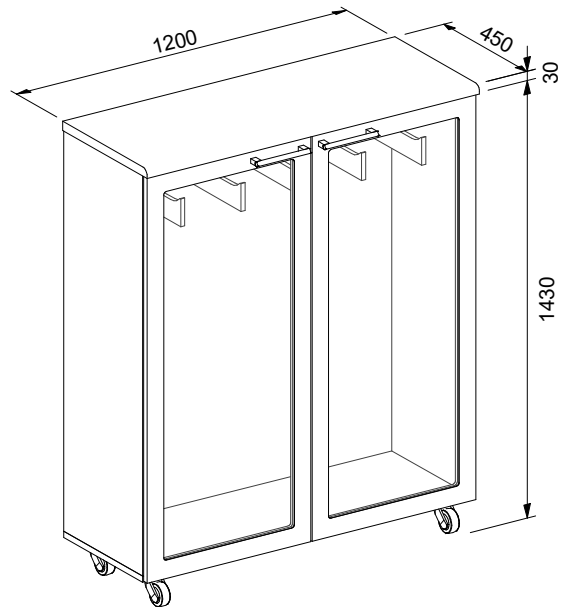


labmodul



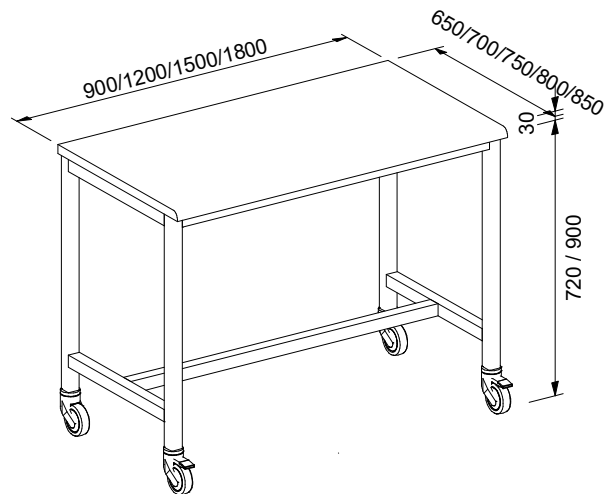
Mobile storage cabinet

Can store 10 point exhaust arms. Ideal for educational facilities where many suction units are needed.



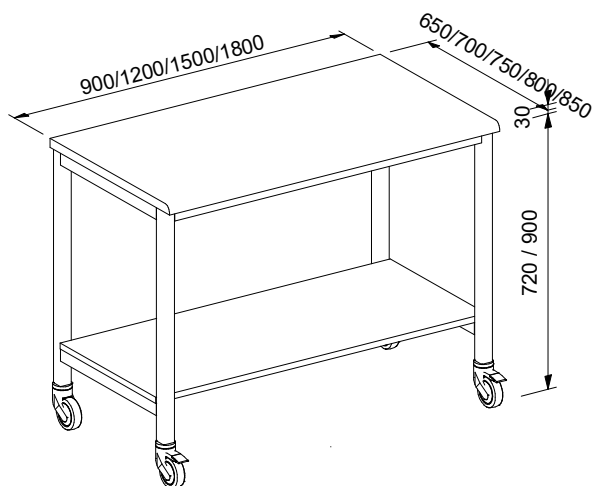
Mobile work desk

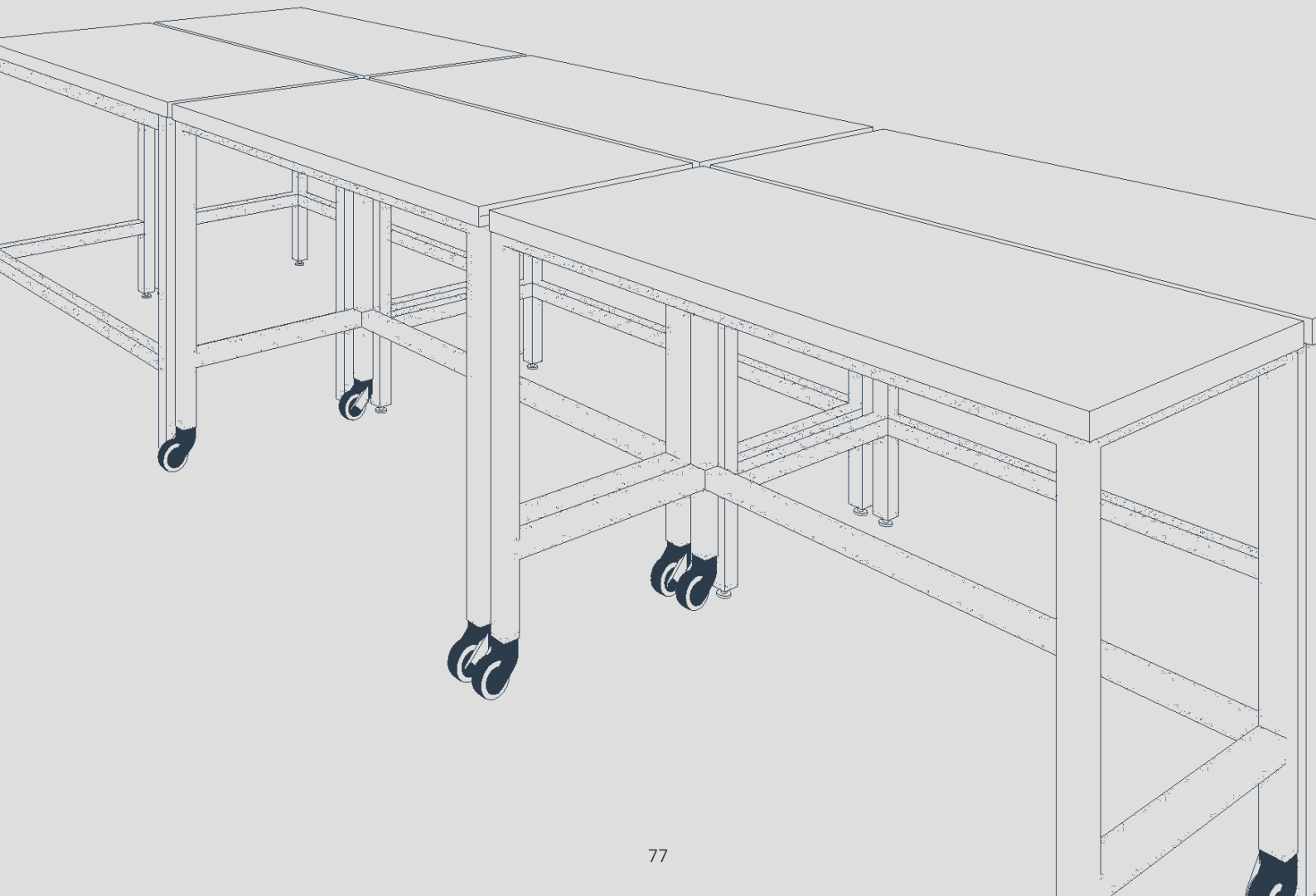
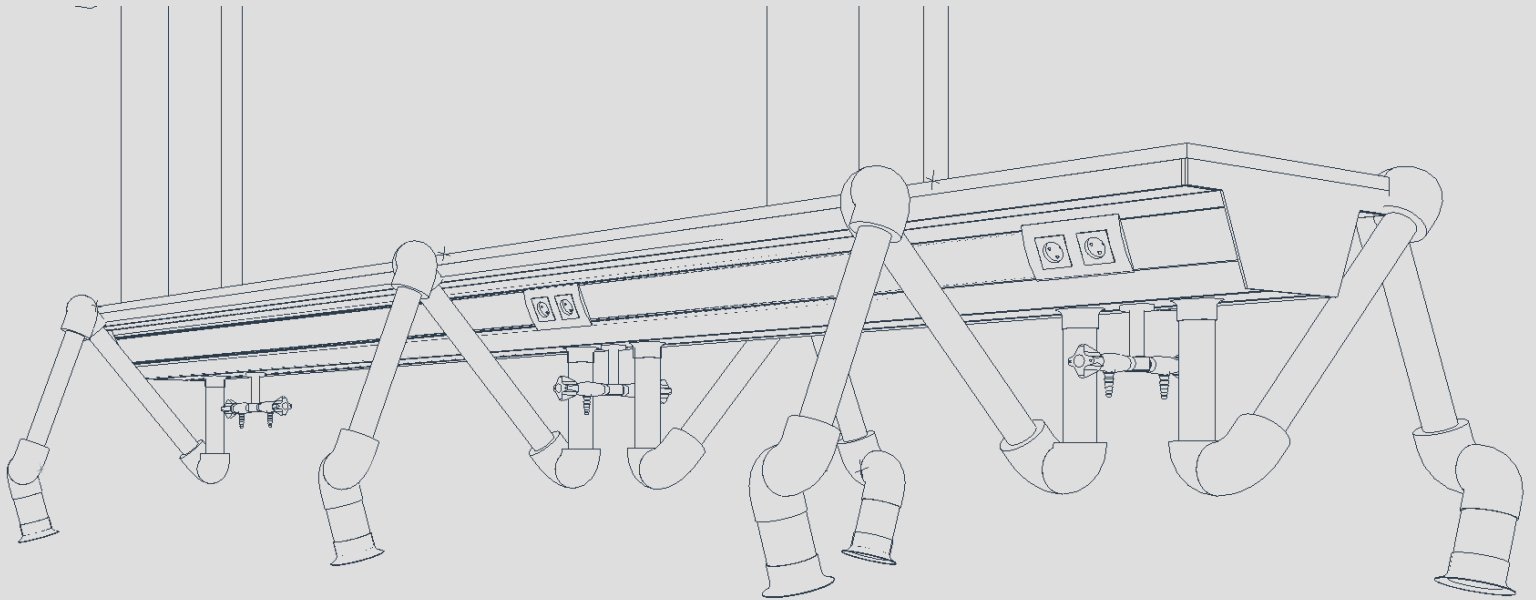
Available in many sizes and can be supplied with under benches cabinet. The table frame series is offered in heights 720 cm and 900mm.



Mobile work desk with under shelf

Available in many sizes and can be supplied with under benches cabinet. The table frame series is offered in heights 720 cm and 900mm.



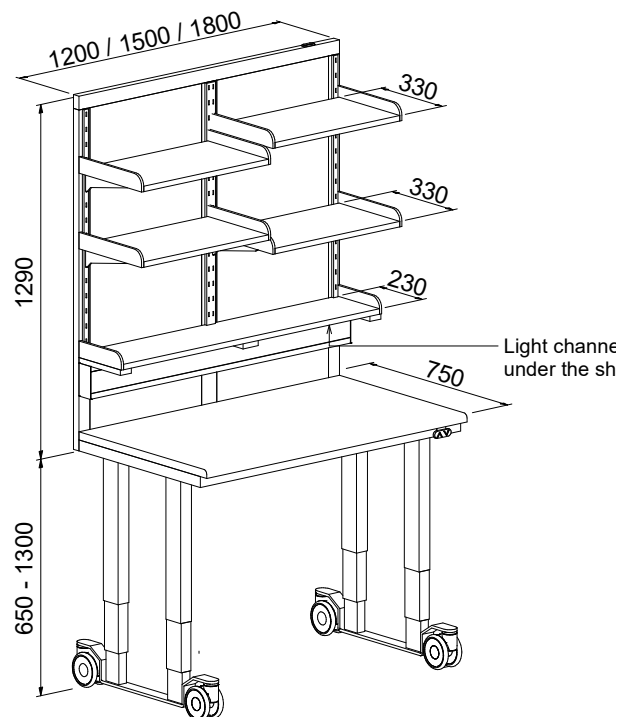
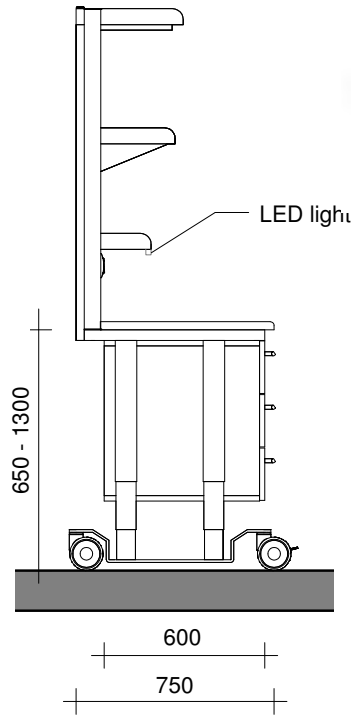
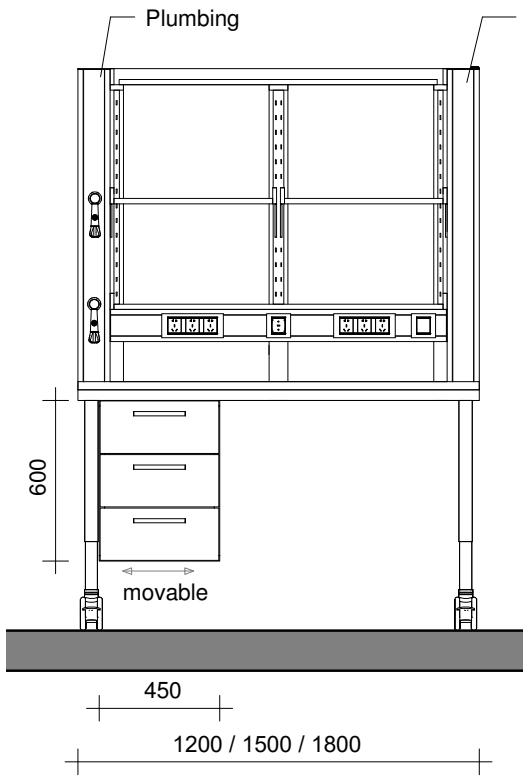
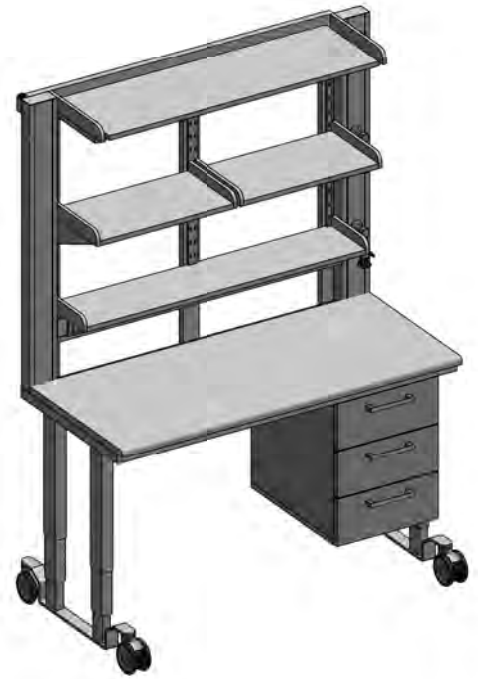
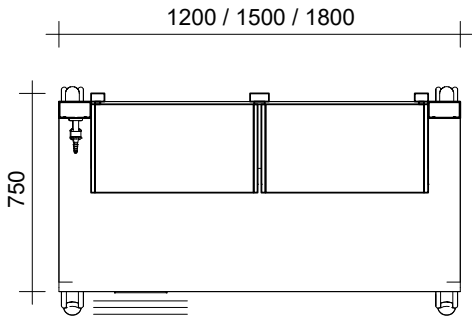


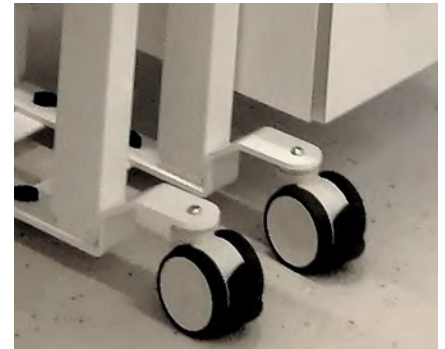
SYSTEM MOBILITY



SYSTEM MOBILITY

- ┌ Absolute flexibility
- ┌ Ergonomically height-adjustable
- ┌ High quality for daily use
- ┌ Designed for GMO facilities
- ┌ What you need, When you need, Where you need it
- ┌ Easy to clean





System Mobility

MOBILITY is a mobile furniture system with no bindings, full flexibility plug and play concept. Electrical height adjustable workplace including battery support for use everywhere in the facility.

Designed to for the highest degree of flexibility as well as covering future demands.

The system is compatible with our other system solutions and with a large program of sliding under bench cabinets for your needs.

All constructions are thoroughly tested, and the furniture system is made of resistant and robust materials to secure a durable solution suitable for many years of daily use.

Height adjustable mobile bench with battery backup .. height adjustable everywhere:

- ◆ Integrated LED work-lighting in the unique media trucking for electrical sockets, water and gasses.
- ◆ Integrated 2 no. front castors with brakes
- ◆ Integrated adjustable shelves
- ◆ Integrated fastening fitting for connecting charts together
- ◆ Integrated Quick-connects for technical medias
- ◆ Integrated chases for electricity and plumbing
- ◆ Compact laminate worktop

All the materials are carefully chosen in regard to recycling and sustainability.





SERVICE BRIDGE



Service bridge - Specification

Service bridges are made of anodized aluminum in color white RAL 9016 or natural anodized. General sockets, EDB sockets, and telephone sockets, etc. are easy to mount in the electrical duct which is prepared for dividing rails, earthing, and various standard installations fittings for mounting with threaded screws. An independent duct is built inside the bridge for space for installations for water, gases, and other desired media.

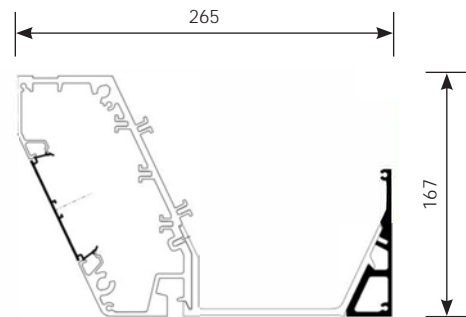
Taps can be mounted vertically under service bridges or in the legs located at both ends.

Service bridges are offered with and without work lighting in different versions:

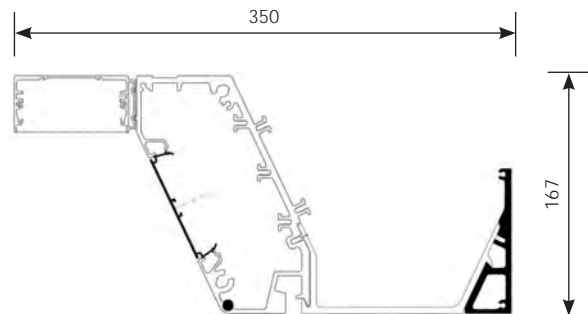
- 1 LED strip with xxx lux on the work surface
- 2 LED strips with xxx lux on the work surface
- 3 LED strips with xxx lux on the work surface

They are offered with 3000 or 4000 Kelvin and with colored mood/orientation light. Light sources are protected behind a tightly opalized removable lid

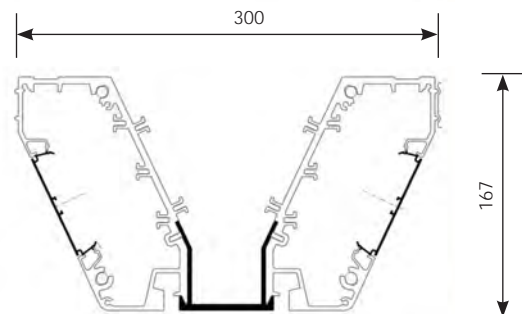
Wall model without light fixture



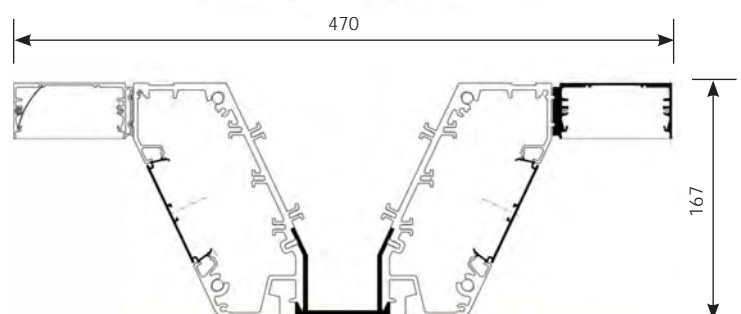
Wall model with light fixture



Freestanding model without light fixture

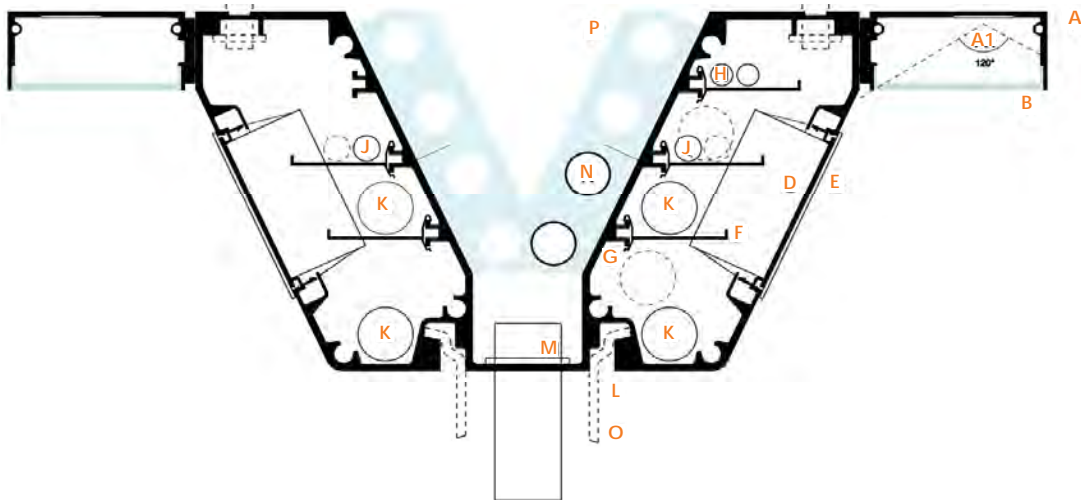


Freestanding model with light fixture

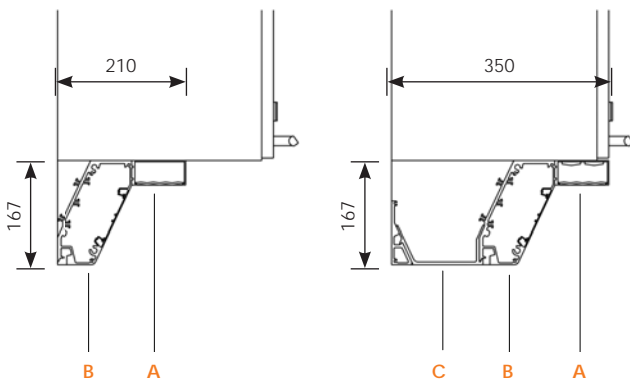


Service bridge - Technical drawing

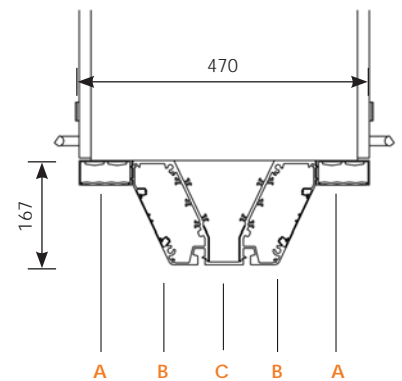
- A1 Light with 120 degrees spread
- B Extruded opalized light shade, dismantled without the use of tools
- C Unistrut bearing profile for possible suspension in the ceiling. (System with free-hanging service bridges)
- D Electric cans, as fab. LK type Clickline / European box/plug according to international standards.
- E The front plate, as fab. LK type Clickline
- F Cable shelf, as fab. Clipsal
- G Mounting slot for cable shelf with screw tracks for M4 bolt
- H Low current cable
- J Power cable
- K PDS, max 4 cables Ø25 pr. page
- L Slots for shelves, holders, PC screens, lamps, etc.
- M Outlets for plumbing and gas valves
- N Plumbing piping, water, and gases
- O Gripping brackets for shelves mm dotted
- P Slots for mounting of pipe holders and hose clips



Wall Mounted



Freestanding



- A - Light
- B - Electricity
- C - Plumbing and Ventilation



ACCESSORIES FOR SERVICE BRIDGES



Accessories for Service Bridges

The unique bridge is prepared for various mounting solutions that intelligently indemnify the desktop for other tasks. The suspensions can be moved throughout the length of the bridge so that the desired function is at your fingertips



Towel holder
Aluminium finish, width 570 mm



Pountings Stand
Aluminium finish, width 380 mm



Papertowelholder
Aluminium finish, W352 x D150 x H255 mm



Papertowelholder - 3 levels
Aluminium finish, W352 x D150 x H305 mm



Knife holder
Aluminium finish, W380 x D80 x H370 mm



Universal Shelf
Aluminium finish, W440 x D150 x H275 mm



Double Shelf
Aluminium finish, W380xD80xH275 mm



Document Holder
Aluminium finish, W440 x D74 x H320 mm



Divider Holder
Aluminium finish, W380 x D190 x H255 mm



Wash Rack
Aluminium finish, W380 x D80 x H370 mm



Cup Holder
Aluminium finish, W147 x D150 x H335 mm, incl. cup Ø147 mm

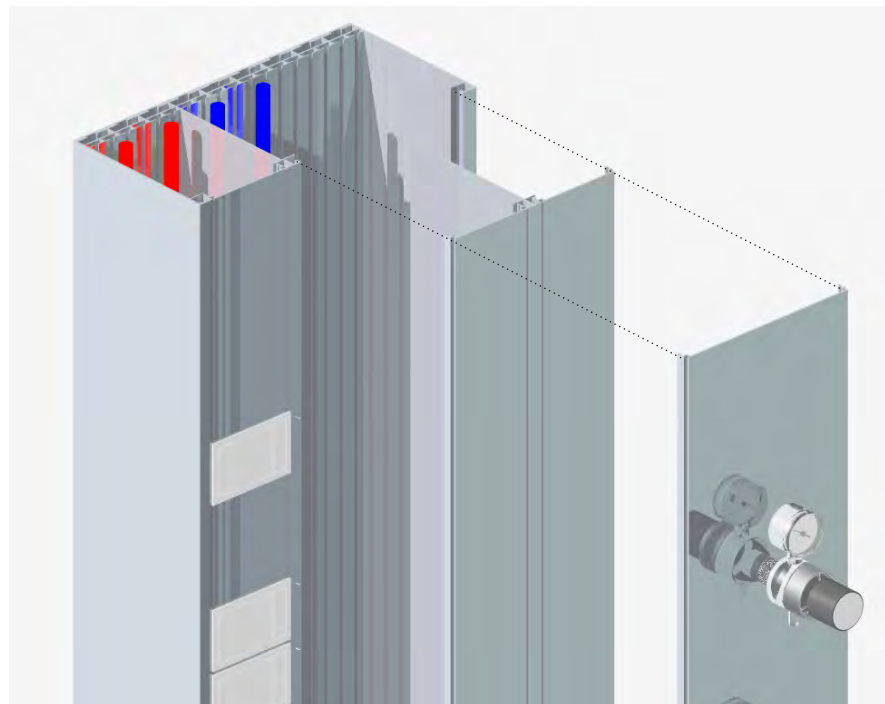
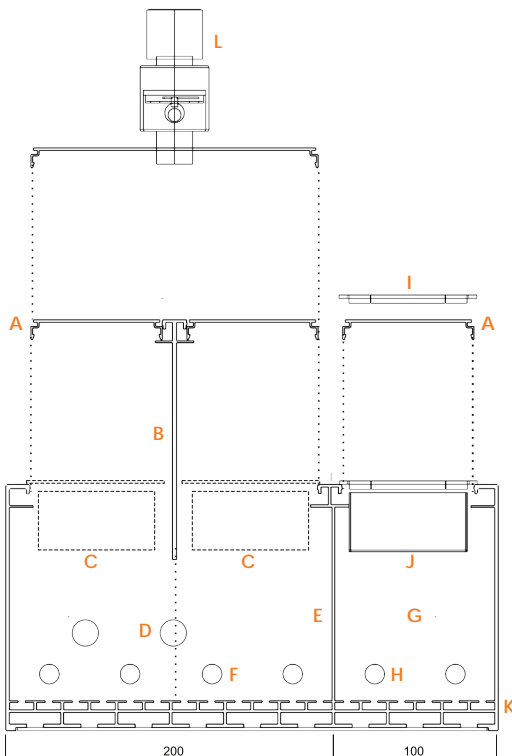
LMK / SERVICE CHASES



Service Chases - Specification

By utilizing the combination possibilities between 1 and 2 modular ducts and the removable partitions, the LMK can easily and flexibly fulfill a wide variety of different needs for the supply of technical media such as water, gases, and electrical installations. The removable cover plates provide easy access during assembly and servicing. Future modifications/changes are made easily. Extruded natural anodized aluminum profiles. Outer dimensions 150 x 300mm

- A Detachable aluminum cover plate
- B Removable partition
- C Electrical box
- D Plumbing
- E Fixed partition
- F Piping
- G EL
- H Cables
- I Lid for electrical box
- J Electrical box
- K Screw tracks for electricity and plumbing
- L Outlets for water & gasses



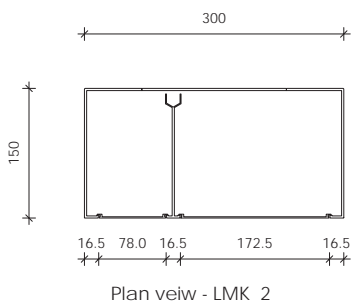
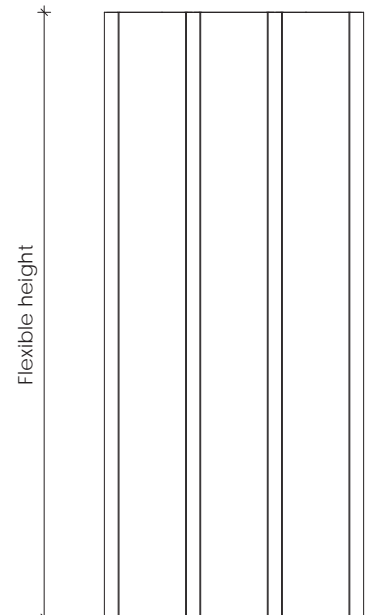
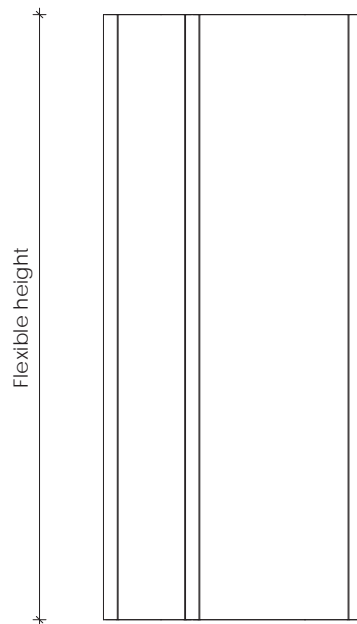
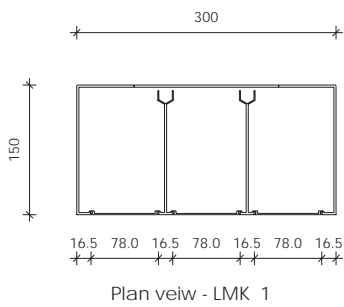
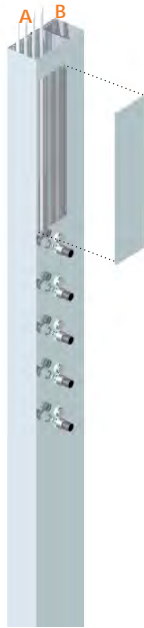


Example of disposition and design of technical tower according to engineering drawing principles for guideways in furniture LMK

- 🔥 Pipe penetration at the ceiling
- 🔥 Removable 700mm high panel
- 🔥 Compressed air location - acc. engineering drawing
- 🔥 Clean gas - iflg. engineering drawing
- 🔥 Detachable panel for easy access for mounting

A Plumbing

B Elec



Service Chases Placements

Between the ceiling and floor

Can also stand alone to support equipment such as mobile tables and other mobile equipment.



Between the ceiling and worktop.

Can also be mounted on the wall to support equipment such as mobile tables and other mobile equipment.



Between the ceiling and service bridge.
Can also be mounted freely in the ceiling (remember special suspension) as a suspended column for media. Height according to customer request.



To the KITE system
media channel for supplying free-hanging
Assortments
(remember special suspension)



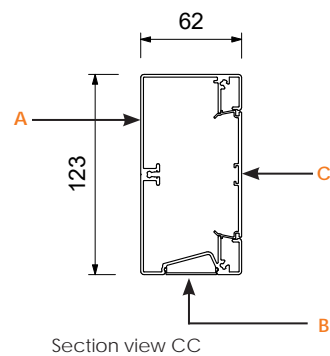
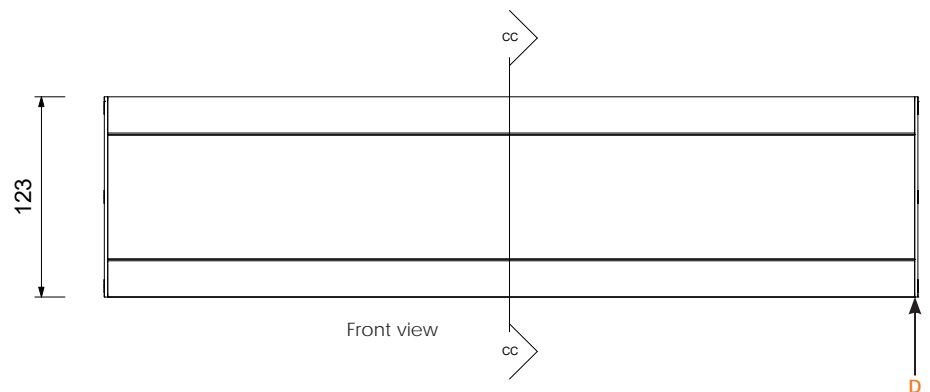
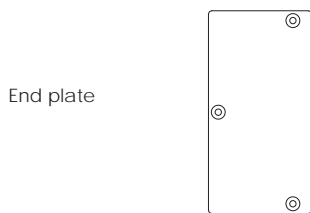
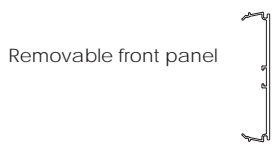
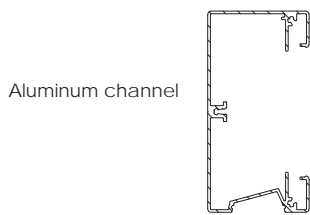
TRUNKING AND TOWER POWER



Trunking- Specification

The trunking can fulfill a wide range of different electrical needs. The removable cover plates provide easy access during assembly and servicing. Future modifications/changes can be made easily. It is made of extruded natural anodized aluminum profiles. Outer dimensions 123 x 62mm.

- A Aluminum channel
- B LED light panel
- C Removable front panel
- D End plate



Tower power - Specification

Tower power (installation stands) are the perfect solution for leading cables down from ceilings or up from floors in an elegant way in a modern environment.

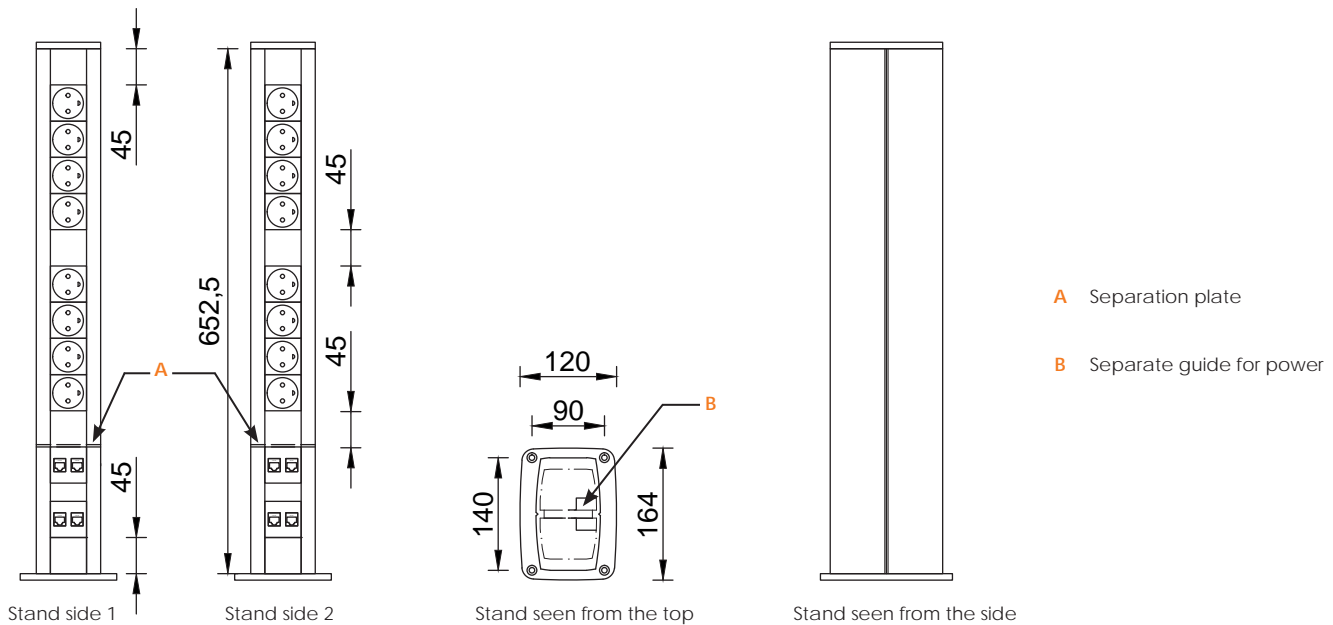
The Tower power can be used for several different solutions with various dimensions and geometrical properties depending on the nature and scale of the requirements. There are basically two stands, a Table/Floor stand, and a ceiling stand.

Ceiling and floor stands

The floor stand is secured on a table or floor and typically powered from the bottom of the stand. This is also available as a 1 or 2-track solution and with both front and rear sockets installation so that it is possible to power multiple workstations simultaneously.

The ceiling stand is powered by the installation in the ceiling, and among other things either permanent or mobile stands are available.

All stands are supplied as standard in either anodized or pure white (RAL 9010) aluminum









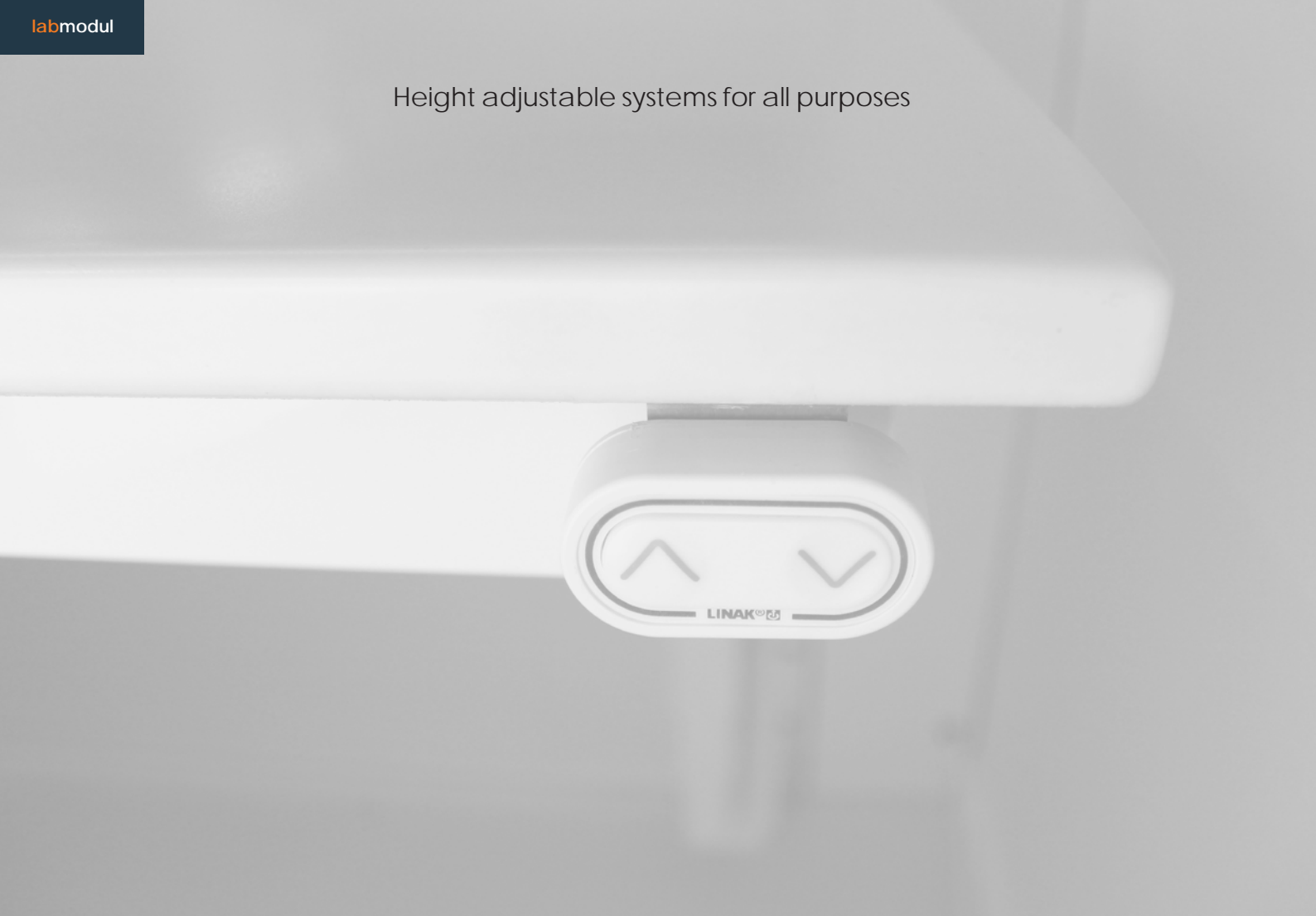
HEIGHT ADJUSTABLE TABLE



LABMODUL HEIGHT-ADJUSTABLE TABLE

- ┌ Stable structure and design
- ┌ Good ergonomics
- ┌ Mobile height adjustable table
- ┌ Clean-friendly design

Height adjustable systems for all purposes



Good ergonomics

The modular sections can be adjusted so that the worktop is easily mounted at the ergonomically correct height for the purpose. Height-adjustable tables provide ergonomically correct working positions and flexibility in workplaces with multiple users or sedentary work functions. The tables are supplied for all purposes and are offered in different module dimensions for optimal utilization of room fittings.

In several of our models, under-bench cabinets can be mounted freely hanging under the worktop and can be moved simply by dragging the cabinet to the sides or as mobile units for flexible devices.

Height adjustable tables are a useful feature that makes the workday significantly more comfortable and increases the health of the workplace.

A poor posture and sedentary work can cause joint and back pain, and poor access to equipment and machines can also cause unintended accidents.

The tables are offered in different variations and sizes to the ideal workplace, either as a freestanding and removable solution, mobile wheeled, fixed editions for wall-mounted, or integrated into our furniture systems.

The tables are supplied for all purposes and are offered in different module dimensions for optimal utilization of room fittings. The modular sections can be adjusted so that the worktop is easily mounted at the ergonomically correct height for the purpose.

If storage is needed together in the workplace, many different types of under bench cabinets are available, which can either be mounted as freestanding cabinets under the

worktop and which can be moved to the side simply by dragging the cabinet.

As an alternative or on tables where a suspended cabinet solution is not possible, mobile units are offered for the more flexible device.

Contact our consultants for a solution that meets your needs.







1-support height adjustable table

The wall-mounted 501-19 gives you plenty of room for the chair as there are no frame feet that can get in the way. There is the possibility of mounting two different tabletop supports that allow the use of the following tabletop sizes:

Support A

Minimum tabletop: 95x55 cm
Maximum tabletop: 140x100 cm

Support B

Minimum tabletop: 55 x 25 cm
Maximum tabletop: 100 x 60 cm

Max. weight load on the frame: 80 kg. The frame height of movement is 66-118 cm (without tabletop) when it is fixed down on the floor.

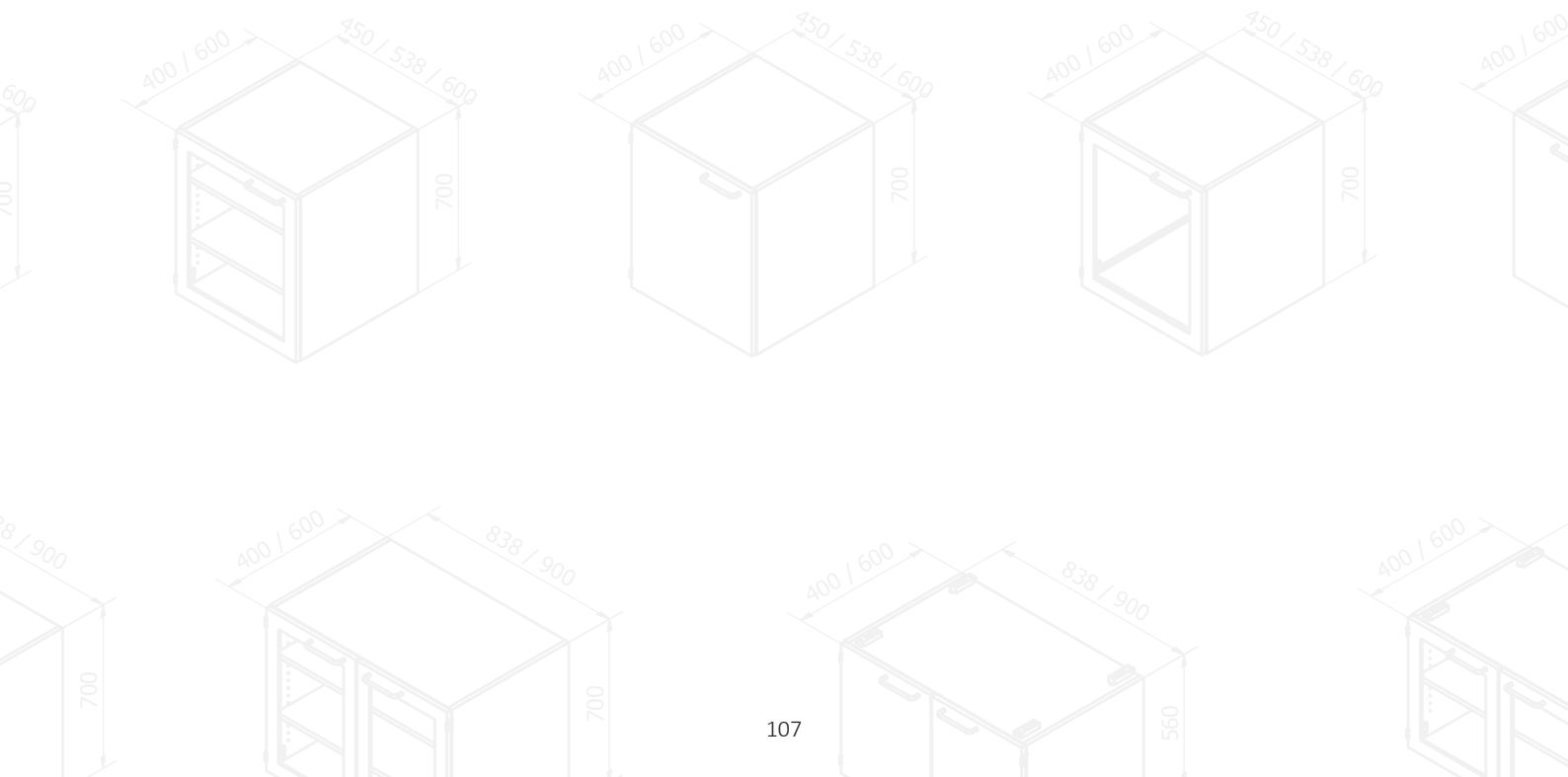
There is 79 mm between the frame pillar and the wall, which makes it possible to mount a cable rail.

Please note that in the case of light-weight or porous walls, brackets must be formed for the distribution of load.



Item number	Frame Width (cm)	Colour
501-19 7SW	90	Black
501-19 7BW *	90 *	Black

Black (RAL 9004)



2-support height adjustable table

Flexible 2-support height adjustable table in a modern design, with a design for use also in GMO facilities.

501-33 is available with adjustable travers and in three different colors. The height can be adjusted from 68-118 cm (including the worktop) and has a lift capacity of 80 kg.

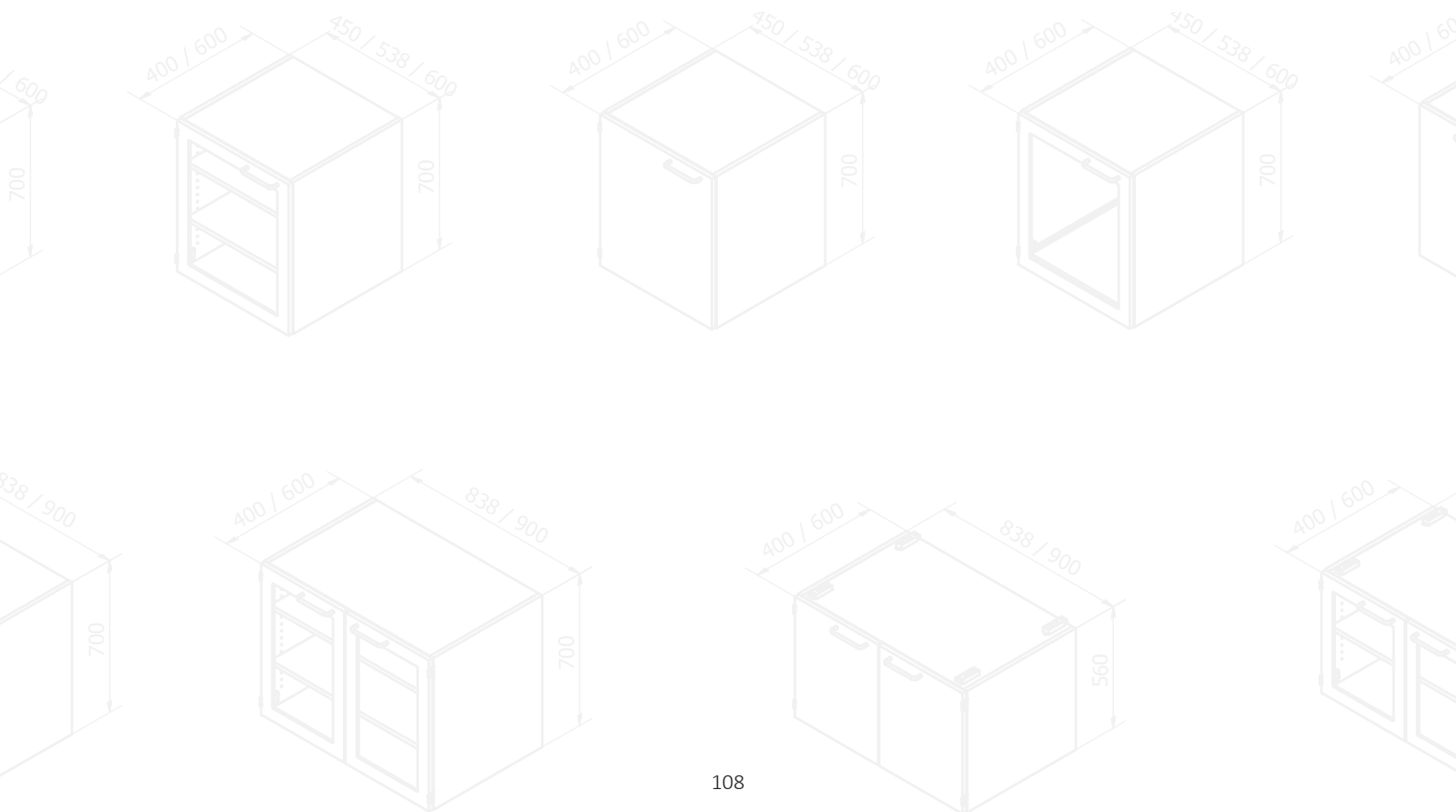
The frame is offered in widths 92/112/129/152 and 172 cm.

501-33 er EN527 TÜV approved.



Item number	Frame Width (cm)	Colour
501-33 7W092	092	White
501-33 7W112	112	White
501-33 7W129	129	White
501-33 7W152	152	White
501-33 7W172	172	White

Black (RAL 9004) Silver (RAL 9006) White (RAL 9016)



4-support height adjustable table

Flexible 4-support height adjustable table in a modern and clean-friendly design.

The table is designed with electric height control and with a construction for use also in GMO facilities.

The frame can be fitted with suspended cabinets or mobile units.

Max. weight load on the frame: 150 kg

The frame height of movement is 73 to 115 cm (without tabletop)



Item number	Frame Width (cm)	Colour	White (RAL 9016)
HSG-900-600-FLEX-560	900	White	
HSG-1200-600-FLEX-560	1200	White	
HSG-1500-600-FLEX-560	1500	White	
HSG-1800-600-FLEX-560	1800	White	





Panel/wall mounted height adjustable table

Elegant and easy-to-use work table for mounting directly on the wall or in conjunction with the PERFORMANCE furniture system.

The table is designed with electric height control with an actuator lifting system, designed for use also in GMO facilities.

The table can be mounted with removable suspended units under bench cabinets or mobile units.



Visible actuators built into the panel module. Load 130 kg. Panel mounted with visible actuators with a movement of 70 to 110 cm

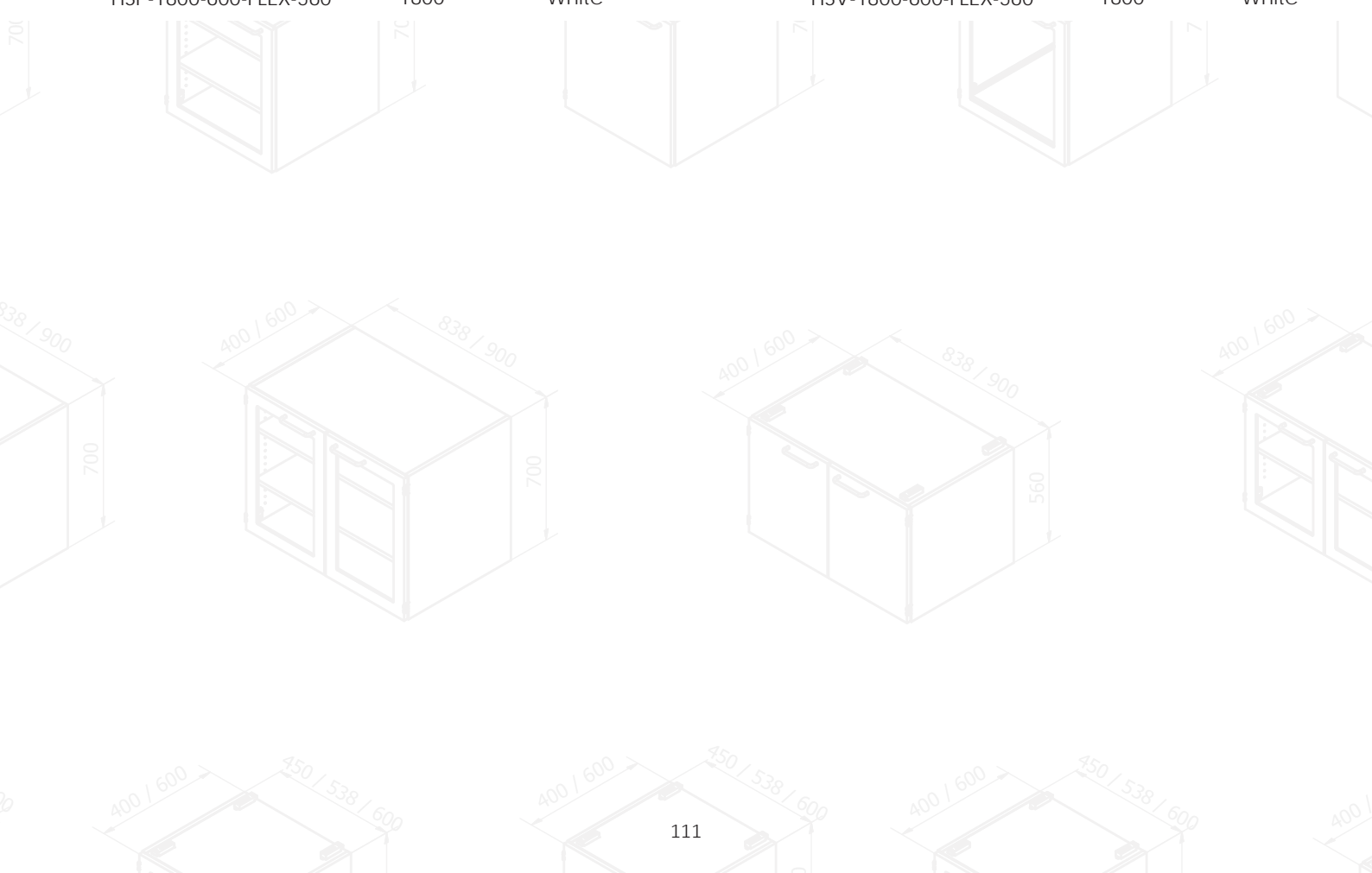


Wall module with visible actuators. Load 125 kg. Wall mounted frame with visible actuators with a movement of 70 to 110 cm

White (RAL 9016)



Item number	Frame Width (cm)	Colour	Item number	Frame Width (cm)	Colour
HSP-900-600-FLEX-560	900	White	HSV-900-600-FLEX-560	900	White
HSP-1200-600-FLEX-560	1200	White	HSV-1200-600-FLEX-560	1200	White
HSP-1500-600-FLEX-560	1500	White	HSV-1500-600-FLEX-560	1500	White
HSP-1800-600-FLEX-560	1800	White	HSV-1800-600-FLEX-560	1800	White





Mobile height adjustable table

Mobile 4-support height adjustable table with electric height control and with a construction for use also in GMO facilities and offered with and without a lower shelf or for the suspension of under benches.

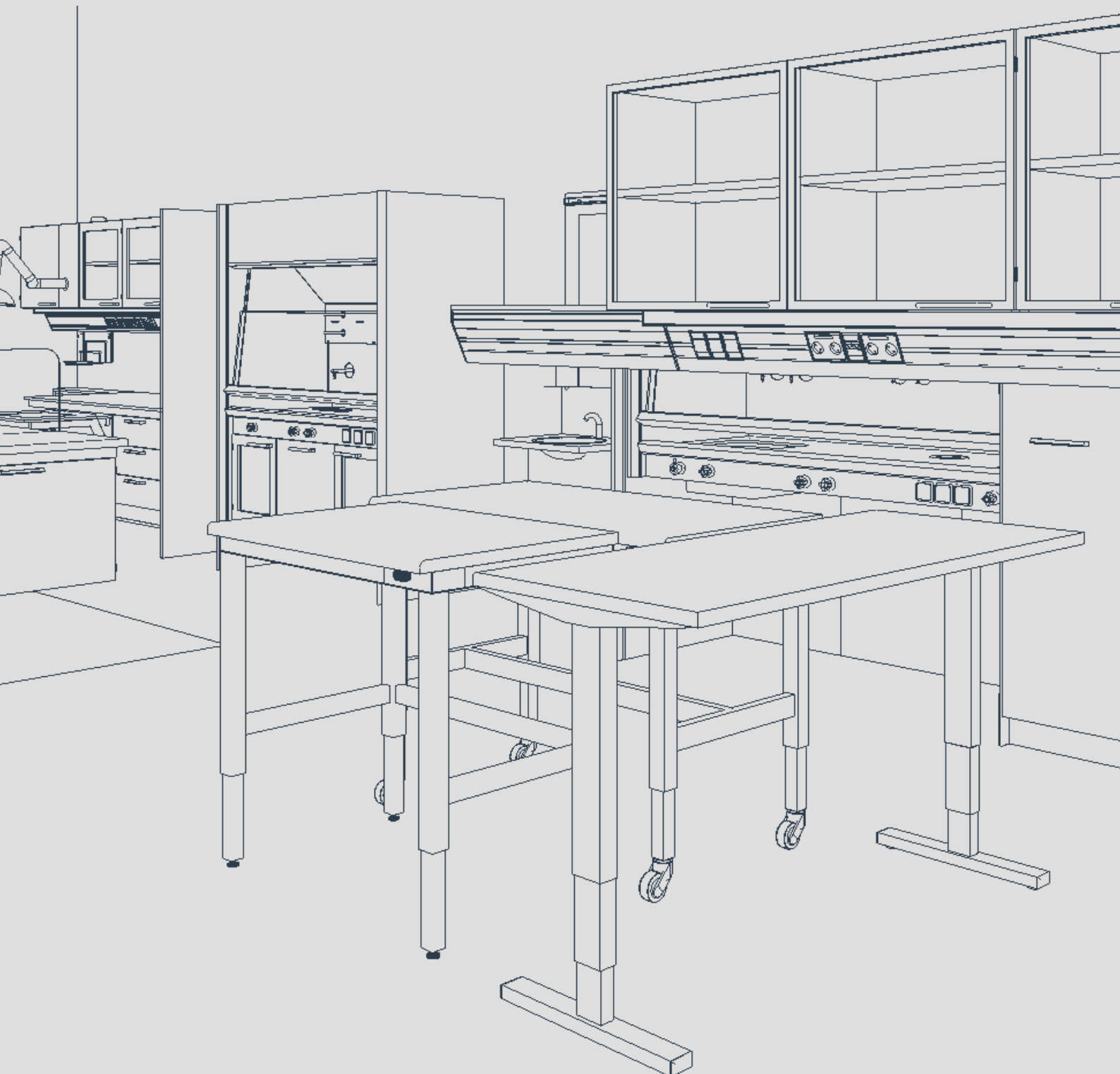
Height adjustment can also be supplied with battery back-up so that the benefits of the lifting function can be used anywhere without being connected to power.

The frame is available in powder-coated steel color RAL9016.

The mobile table can also be delivered in stainless steel ASI316.







MOBILE HEIGHT-ADJUSTABLE TABLE



LABMODUL HEIGHT-ADJUSTABLE MOBILE TABLE

- ┌ Good ergonomics
- ┌ Flexible devices
- ┌ Optimal mobility
- ┌ Cleaning-friendly design

Mobile height adjustable workplaces

Good ergonomics

The mobile tables can be adjusted so the working height can be adjusted easily to the optimal height for the required purpose. Mobile height adjustable tables provide ergonomically correct working positions and flexibility when operating high-end equipment and devices at workplace or multi-user locations.

The tables are supplied as powder coated steel and in acid-proof stainless steel. The constructions meet requirements for use in GMO areas.

Mobile height adjustable tables are offered in many standard sizes and in special dimensions where this is needed.

Mobile height adjustable tables are a useful feature that makes the workday significantly more comfortable and increase the health of the workplace. When used with the KITE furniture system, a very flexible working environment is obtained.

Contact us and we can help you find the right solution for the workplace.



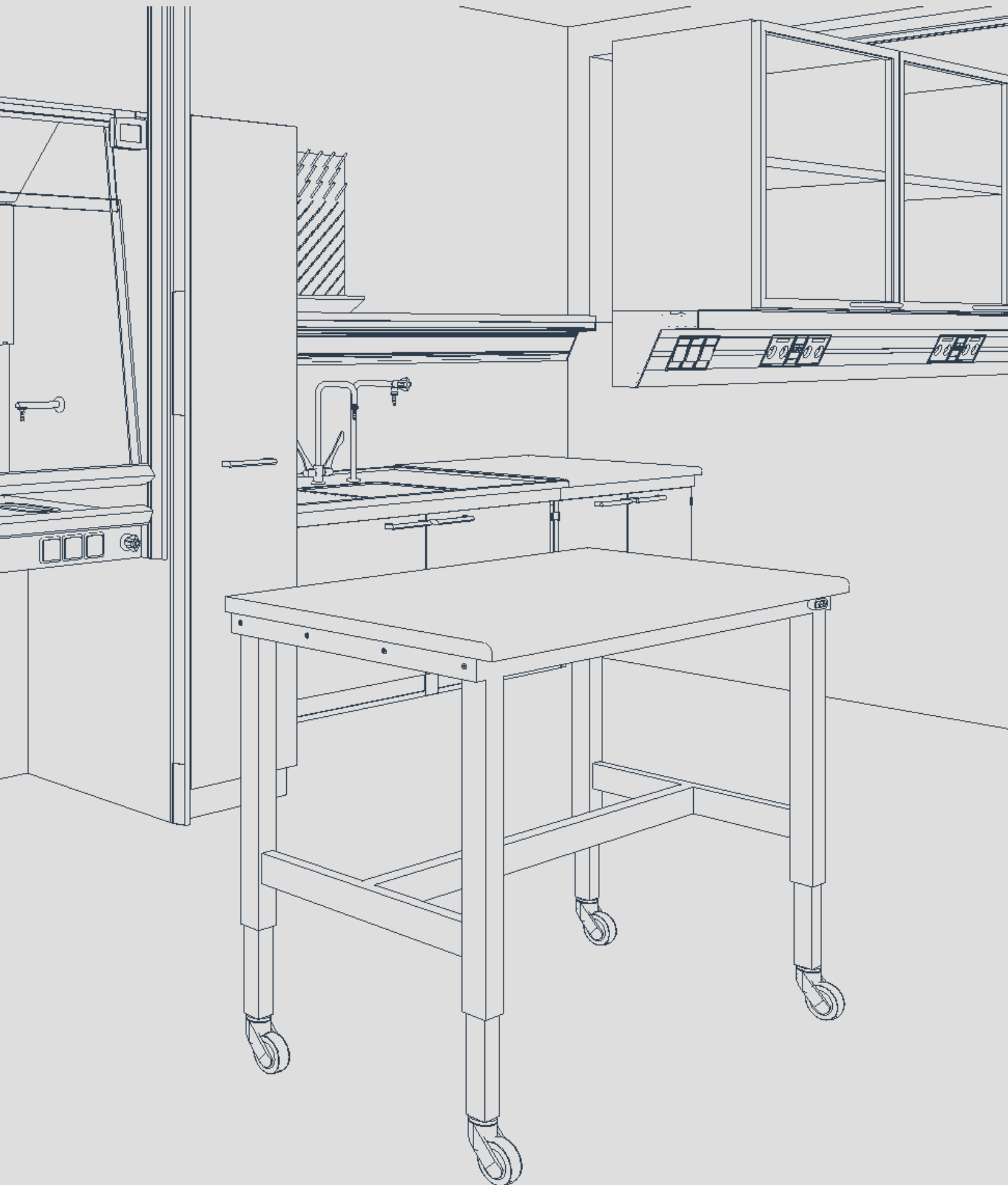
4 support mobile table

Mobile 4-support height adjustable table with electric height control and with a construction for use also in GMO facilities. The tables are offered with and without a lower shelf or for the suspension of under benches.

The electric height adjustment can also be supplied with batter back-up so that the benefits of the lifting function can be used anywhere without being connected to power.

The frame is available in powder-coated steel color RAL9016 or as shown in the picture in acid-proof stainless steel ASI316.





BALANCING TABLE



LABMODUL BALANCING TABLES

- Professional balancing table
- Vibration-free weight base
- Balancing stone in granite
- High-quality design
- Height adjustable function for technical weights
- Sitting and standing workspaces



Balancing table

The balancing table in column design provides a sturdy base for analysis scales and microscopes. The equipment is placed on a heavy granite stone with shock absorbing suspension.

The balancing stone is kept free of the worktop so that shaking on the working table is not propagated to the equipment.

Balancing tables are offered for sitting in 75 cm in height or for standing workplaces in height 93 cm, and can also be incorporated into fume cupboards and other ventilated units.



Support for balancing table

The support for the table is the most stable solution available for balancing and it is easy to build in both a table and fume cupboards.

The balancing section is ideal for micro and analytical scales, that require a vibration-free environment when weighing with an accuracy of more than 3 decimals per gram.

The system is equipped with a sturdy health-welded frame and with a durable and stable polished granite stone mounted on vibration damping material. Offered for both standing and seated workplaces.



Integrated analytical weight

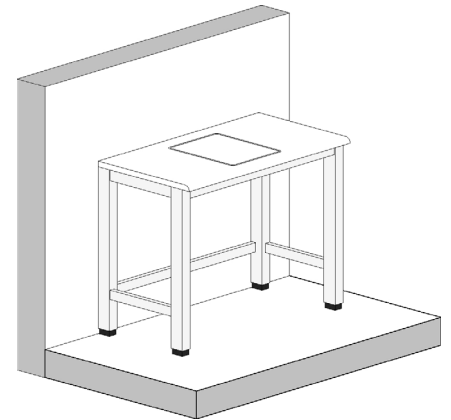
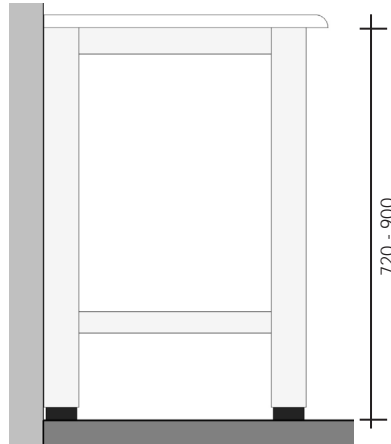
Balancing tables for analytical balance, can be supplied with the balance integrated into the Worktops. The table can be delivered with a height adjustable function.

The stainless steel weight measures from 0 to 5,000 grams and has dimensions of 245 x 245 mm. The depth is 33 mm.

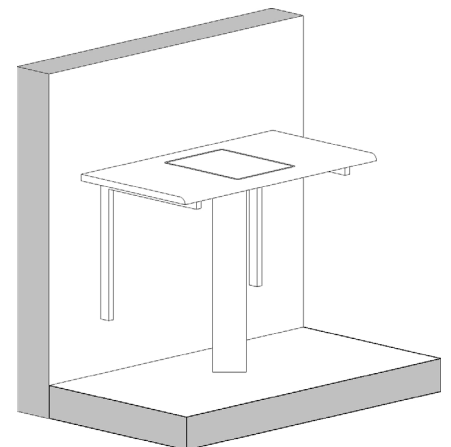
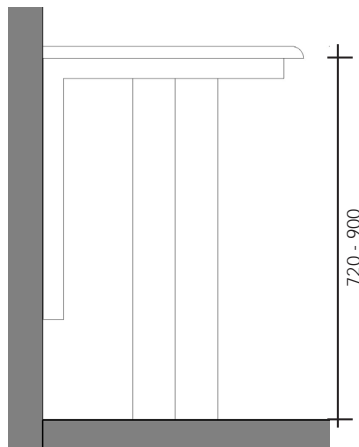




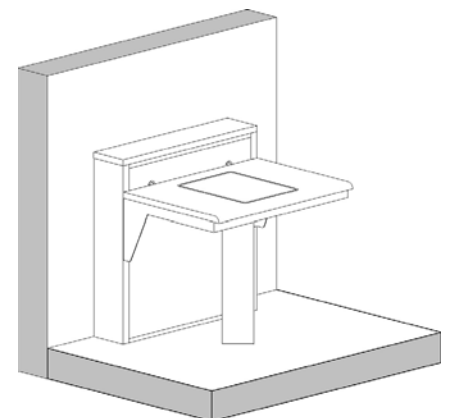
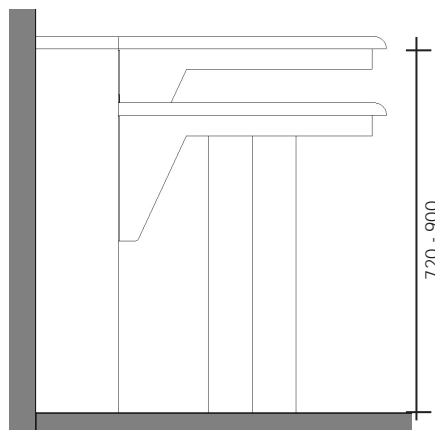
Balancing table, Double frame



Balancing table, Wall brackets



Balancing table, Panel module



Flexible Balancing table

A loose balancing table is a flexible solution for balancing. The weighing section is ideal for micro and analytical scales, that require a vibration-free environment when weighing with an accuracy of more than 3 decimals per gram.

The system is equipped with a sturdy health-welded frame and with a durable and stable polished granite stone mounted on vibration damping material. Offered for both standing and seated workplaces.

- ◆ Complies with the highest standards of anti-vibration with 3 vibration dampers
- ◆ Ensures fast stabilization times







Balancing table, with double frame

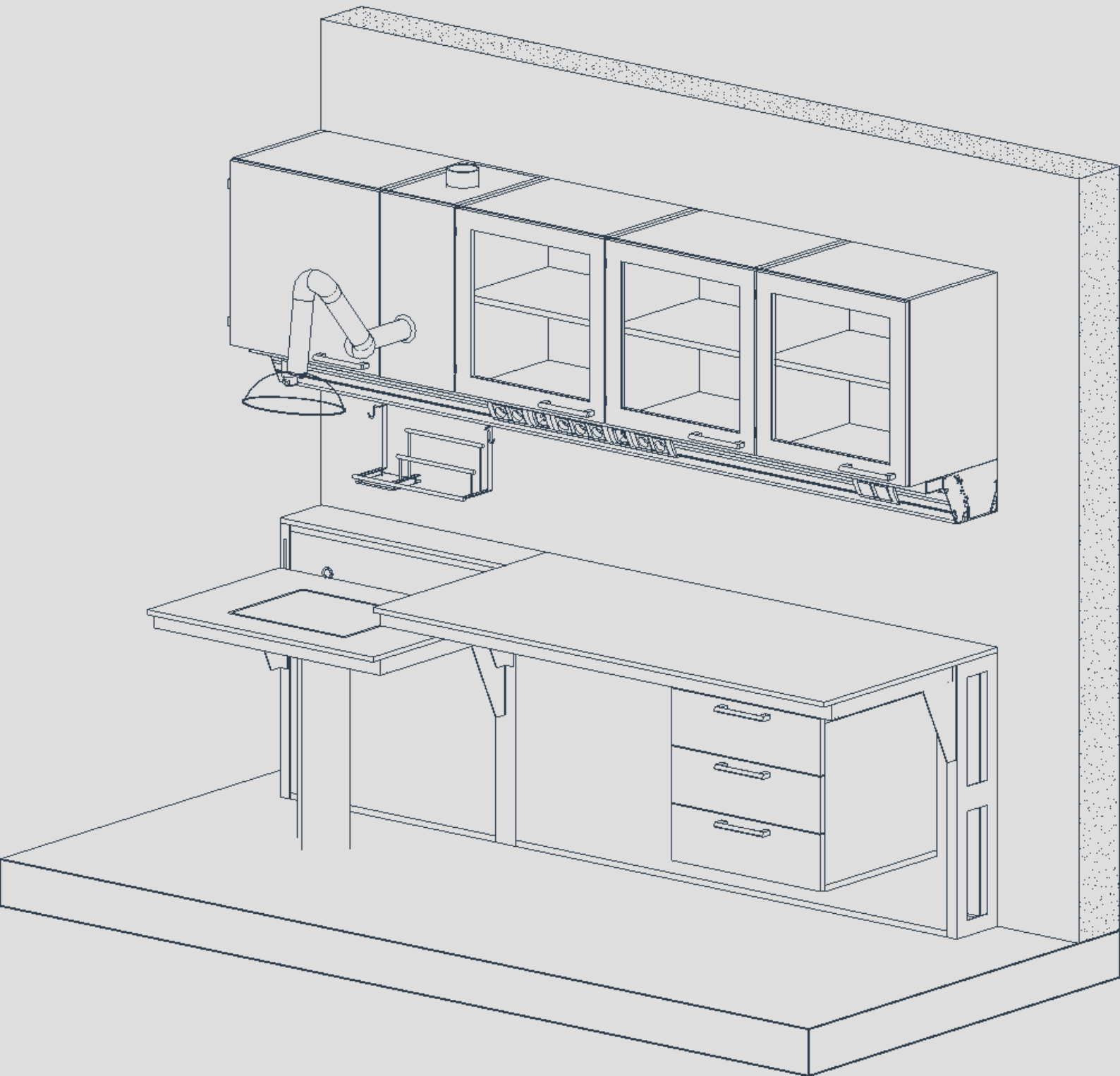


The balancing table consists of 2 fully welded frames made in pipe sections connected to horizontal spacers at the bottom of the 2 gables. The steel structures are electrostatic powder-coated in a thickness of at least 80 mm in accordance with ISO Standard No. 2802, resistant to all chemicals normally used in a laboratory.

The balancing table is delivered in different module dimensions for the best possible use of the rooms and is performed in height 720 and 900 mm with a 30 mm Worktops. Each frame is fitted with 4 scaffolds (c) for leveling in the floor.







Worktops, Materials Fronts, Profiles, and Sinks



Worktops, Fronts Colors and Profiles

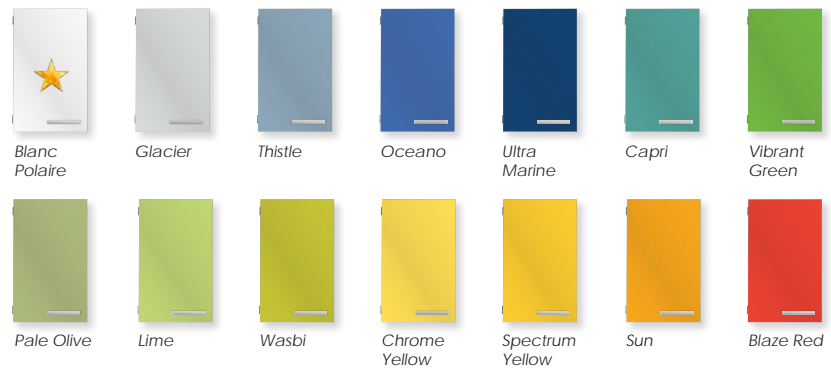
Worktop colors	White	Light grey	Black	Brushed steel	Beige
Laminated worktops	○	○	○		
Compact laminate	○	○	○		
Stainless steel				○	
Epoxy Resin	○	○	○		
Ceramic	○	○			
Polypropylene					○

Fronts

Material options

- 🔥 Laminate
- 🔥 Compact laminate

Front colors



Plinth

- 🔥 Two standard colors.

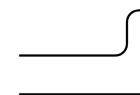
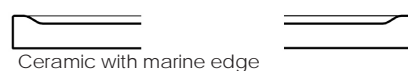
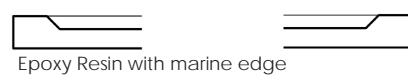
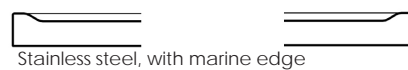
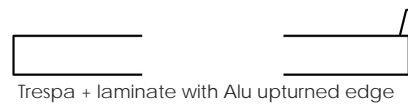
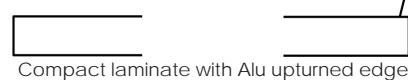
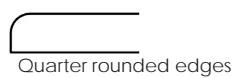
Plinth colors



Worktop profiles

Front edge

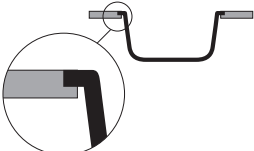
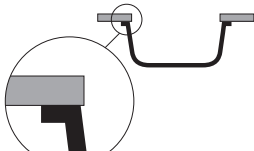
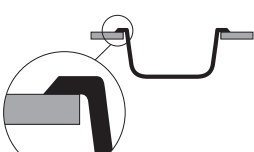
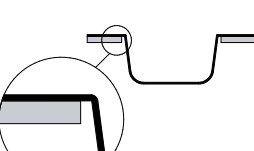
Rear edge



★ Standard Color
A fee may be added for other colors

Worktop materials	Ceramic	Epoxy resin	Polypropylene(PP)	Stainless steel(316)	Compact laminate	Laminate
Acid, base	○	○	○	○	○	○
Organic solvents	○	○	○	○	○	○
Discoloration	○	○	○	○	○	○
Heat resistance	○	○	○	○	○	○
Absorption	○	○	○	○	○	○
Compression	○	○	○	○	○	○
Impact effect	○	○	○	○	○	○
Surface uniformity	○	○	○	○	○	○

Excellent	○
Good	○
Acceptable	○

Sink instalation	Ceramic	Epoxy resin	Polypropylene(PP)	Stainless steel(316)	Compact laminate	Laminate
 Drop-in sink	○	○			○	
 Undermount sink	○	○			○	
 Drop-on sink	○	○	○	○	○	○
 Welded in sink			○	○		

Sink worktops

Wash placement

A

B

C

Worktop materials

- ◆ High-pressure laminate
- ◆ Compact laminate
- ◆ Polypropylene (PP)
- ◆ Epoxy Resin
- ◆ Acid resistant stainless steel ASI316
- ◆ Ceramics



Polypropylene sinks

320 x 320 x 200 mm
400 x 300 x 250 mm
400 x 400 x 250 mm
500 x 400 x 250 mm
600 x 400 x 250 mm

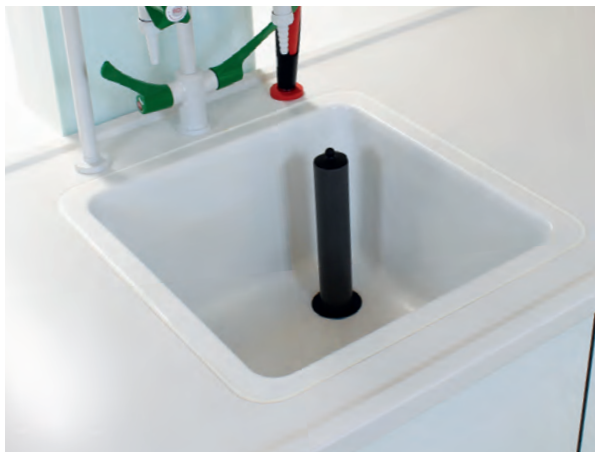


Ceramic sinks

400 x 400 x 250 mm
500 x 400 x 250 mm
600 x 400 x 250 mm

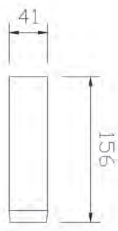


Drain plug 97B0070P



Epoxy resin sinks

300 x 200 x 200 mm
356 x 254 x 157 mm
400 x 400 x 300 mm
406 x 305 x 203 mm
450 x 365 x 200 mm
600 x 450 x 300 mm
635 x 381 x 254 mm

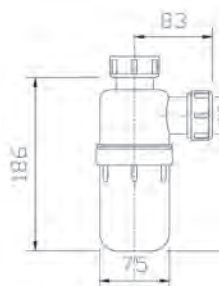


Overflow pipe 158mm 97B0158



Stainless steel sinks

340 x 300 x 145 mm
400 x 340 x 145 mm
480 x 340 x 180 mm
500 x 400 x 160 mm
600 x 400 x 200 mm



Water trap 97B0080

Fronts

- 🔥 High pressure laminate
- 🔥 Compact laminate
- 🔥 Linoleum
- 🔥 Corian



Glass cabinet fronts

- 🔥 Natural anodized 20 mm aluminum frame with 110° hinges
- 🔥 White powder-coated 20 mm aluminum frame with 110° hinges
- 🔥 Laminate 60 mm frame with 270° hinges
- 🔥 Laminate 60 mm frame concealed 110° hinges

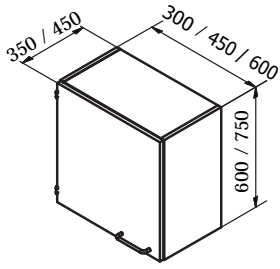


Handles

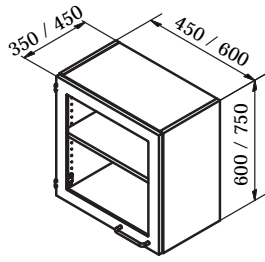
- 🔥 Standard logistics aluminum handles with an inclined surface, for example, Dymo strips. Width 190 mm
- 🔥 Handle in brushed stainless steel. Width 160 mm
- 🔥 Handle in matt aluminum. Width 160 mm



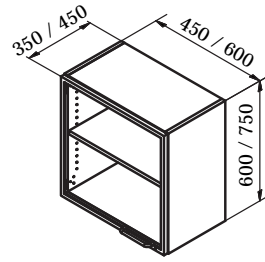
Top cabinet for wall hanging



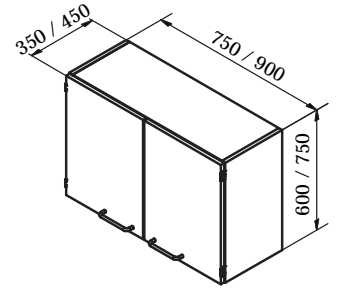
Cabinet with 1 solid door



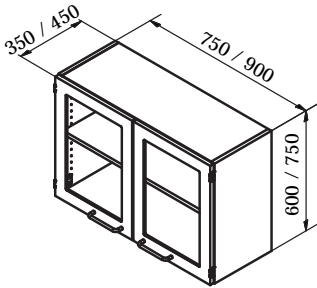
Cabinet with 1 laminated glass door



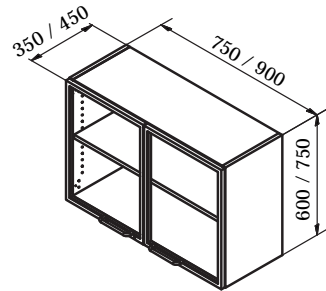
Cabinet with 1 aluminum frame glass door



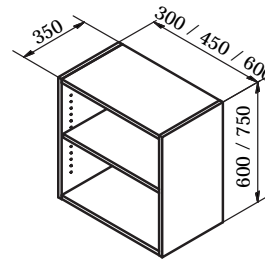
Cabinet with 2 solid door



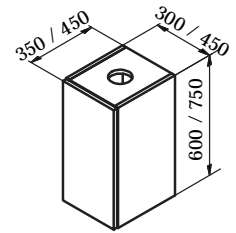
Cabinet with 2 laminated glass door



Cabinet with 2 aluminum frame glass door

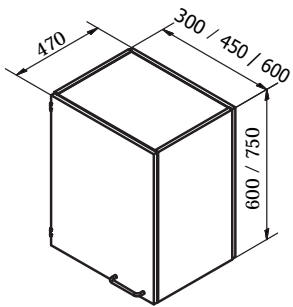


Top shelf cabinet - wall hanging

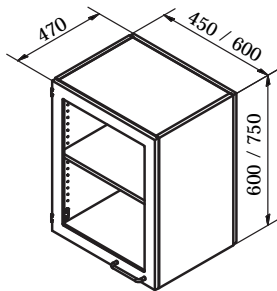


Exhaust cabinet - wall hanging

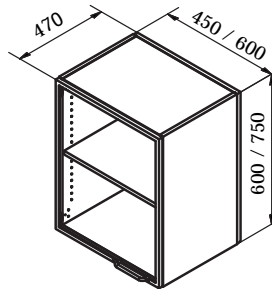
Top cabinet for Island bench - double sided



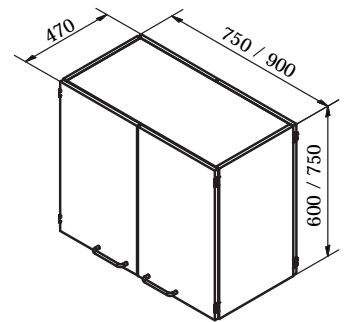
Cabinet with 1 solid door



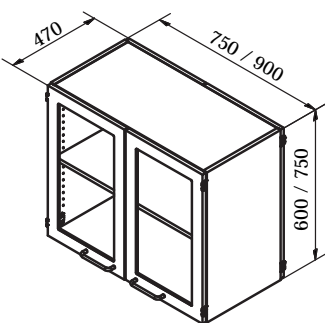
Cabinet with 1 laminated glass door



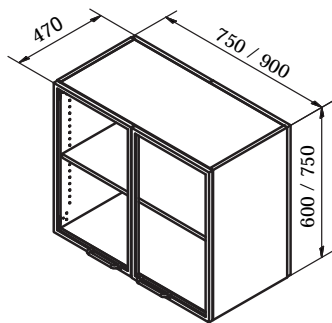
Cabinet with 1 aluminum frame glass door



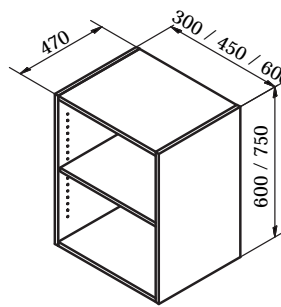
Cabinet with 2 solid door



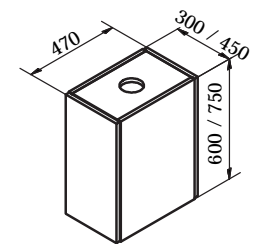
Cabinet with 2 laminated glass door



Cabinet with 2 aluminum frame glass door

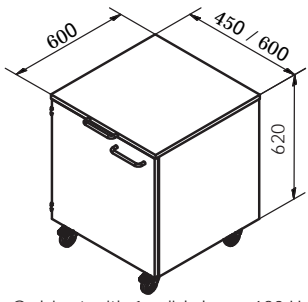


Top shelf cabinet - center bench

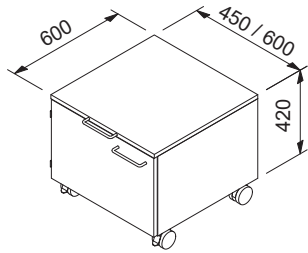


Exhaust cabinet - center bench

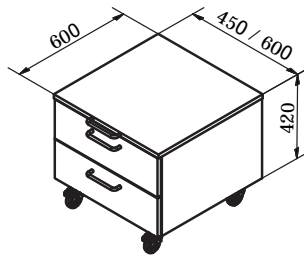
Mobile cabinet



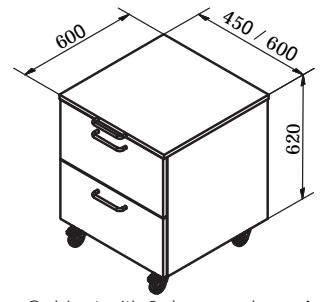
Cabinet with 1 solid door - 620 H



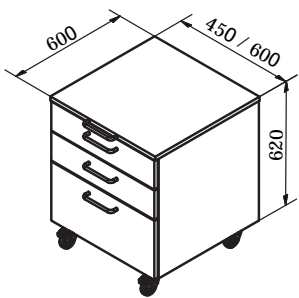
Cabinet with 1 solid door - 420 H



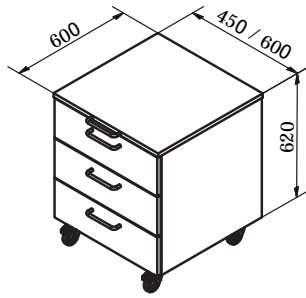
Cabinet with 2 drawers - kom. K



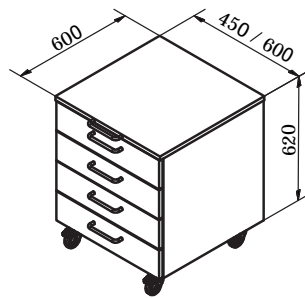
Cabinet with 2 drawers - kom. A



Cabinet with 2+1 drawers - kom. B



Cabinet with 3 drawers - kom. C



Cabinet with 4 drawers - kom. D





STORAGE CABINET



LABMODUL STORAGE CABINET

- ┌ Storage cabinet put in a system
- ┌ Spacious storage
- ┌ High quality for daily use
- ┌ Shelves can be moved per. 32 mm
- ┌ Stylish design
- ┌ Easy to clean



Storage cabinet for storage

In the storage cabinets, space is optimally utilized with removable shelves or our DIN FlexModul®, which can be used for high flexibility and logistics systems in storage.

The interior design system DIN FlexModul® is the result of intensive development work to achieve maximum flexibility and systematic and safe storage with good clarity and order.

Our modular tray/baskets system can be used wherever optimized space usage and tidiness are required, and the system can be moved between cabinets, storage racks and mobile transport units.

Storage cabinets are offered with standard locks or system locks that fit the desired locking plan.

The cabinets are designed to withstand intensive use and we, therefore provide a 10-year warranty on the hinges.



Wide program

STORAGE CABINETS come with a wide range of different interior design solutions, fronts, and drawer hoods that fit exactly the desired function for the cabinet.

The cabinet modules can be equipped with the DIN FlexModul system. This results in greater efficiency in storage and a significantly better overview of the contents of the cabinets.

Trays are prepared for dividing rooms that attach the modules with ClipOn. They can be adjusted in intervals of 10 and 20 mm.

Likewise, the system includes a sliding room divider that can be placed in all positions.

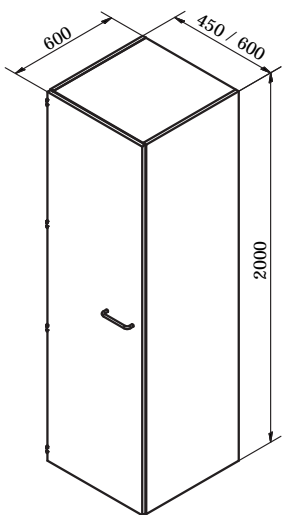
The pull-out trays can also be equipped with end stops and fixation of the pull-out.



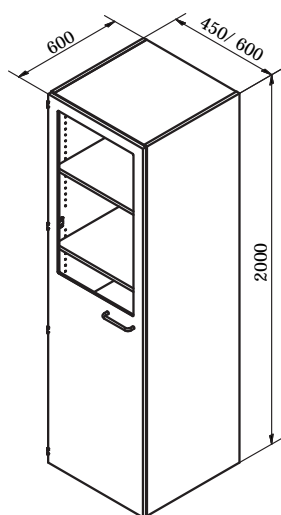




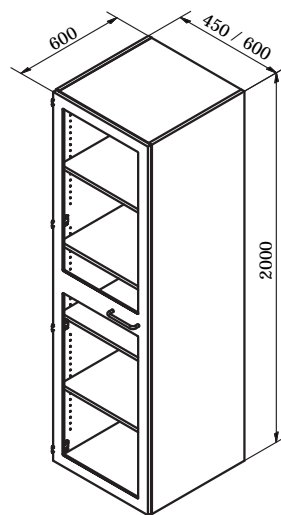
Tall storage cabinets



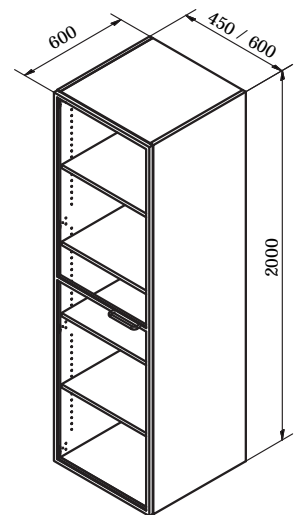
Cabinet with solid door



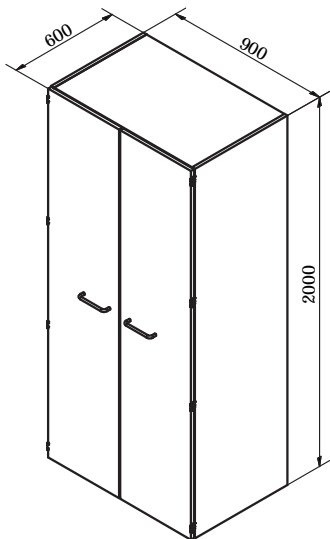
Laminated door with 1 glass



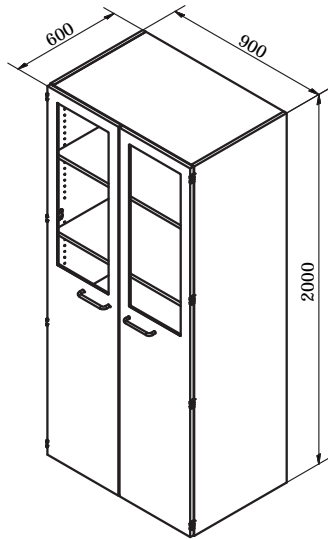
Laminated door with 2 glass



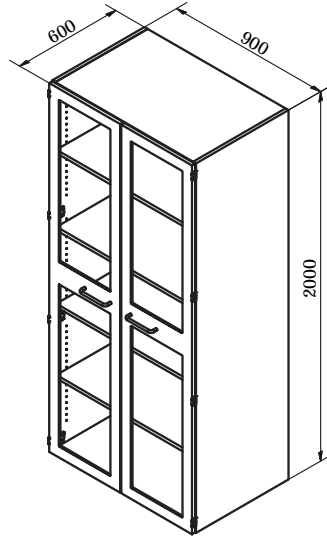
Aluminum door with 2 glass



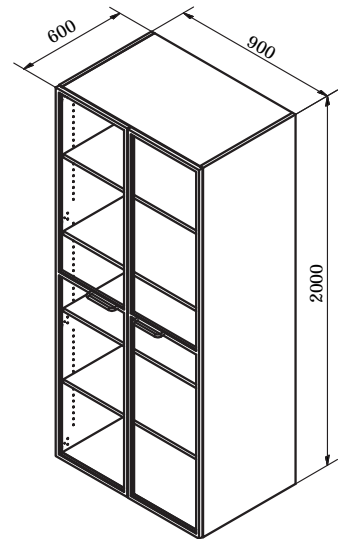
Cabinet with 2 solid door



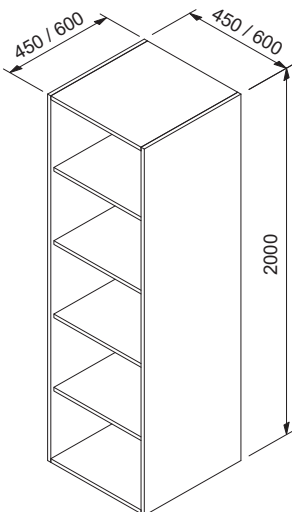
2 Laminated door with 2 glass



2 Laminated door with 4 glass



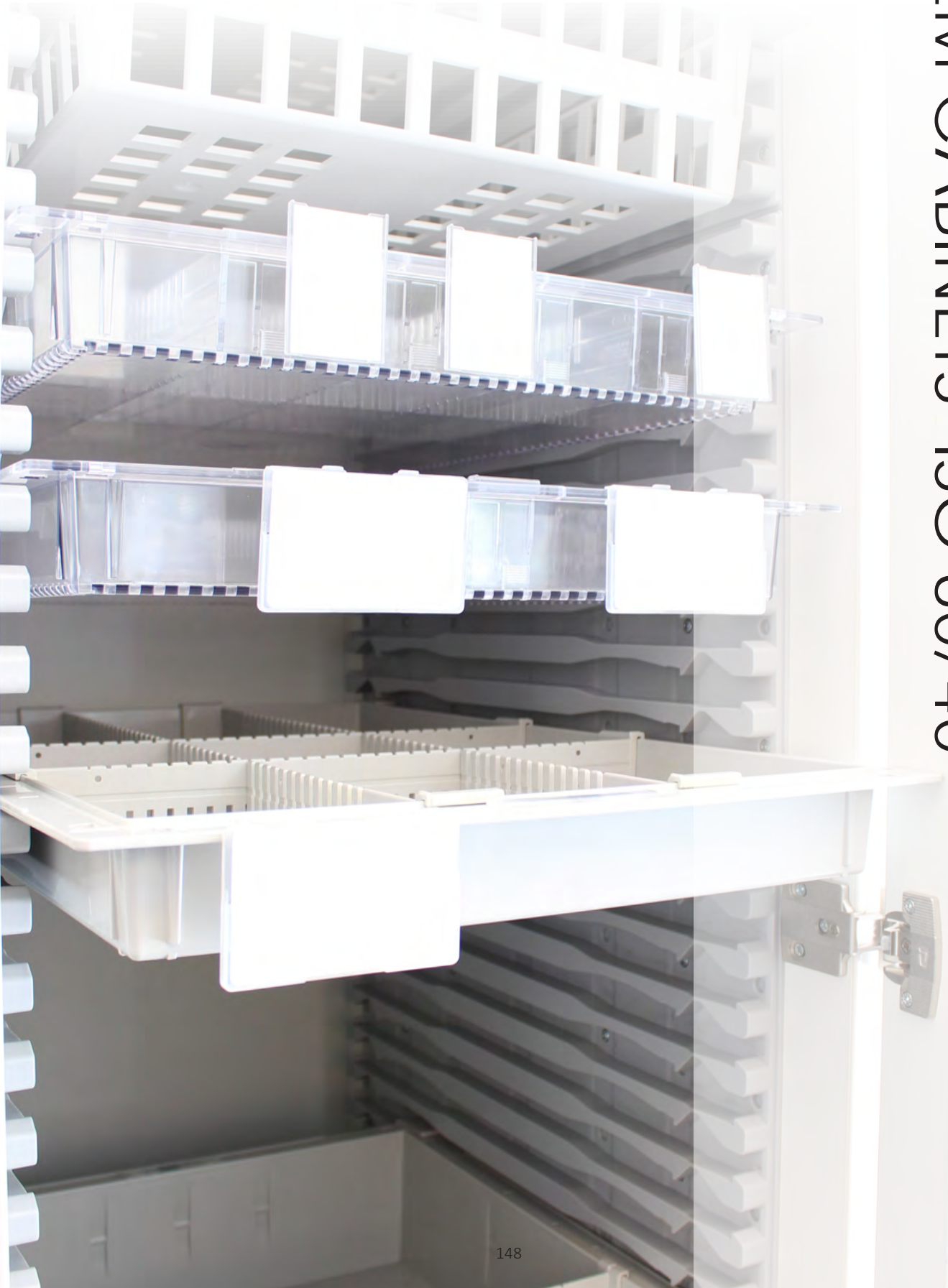
2 Aluminum door with 4 glass



Tall shelf cabinet



SYSTEM CABINETS ISO 60/40



LABMODUL SYSTEM CABINETS 60/40

- ┌ Spacious with extra storage capacity
- ┌ Prepared for trays and baskets
- ┌ High quality for daily use
- ┌ Constructed for GMO facilities
- ┌ Stylish design
- ┌ Easy to clean



System Cabinets 60/40

System cabinets are used for optimum use of space inside the storage cabinets. The cabinets can be equipped with adjustable shelves or our ISO Flex Module[®] baskets and trays for maximum flexibility, and efficiency.

The modular system ISO 60/40 is the result of extensive development in order to achieve maximum flexibility in systematic and safe storage that ensures order and clarity.

Universal application

System cabinets are a perfect solution for laboratories, hospitals, pharmacies, medical practices, and wherever hygienic and mobile storage solutions are needed.

A range of mobile units for the baskets and trays are available when safe transportation is needed.



A wide programme

System ISO 60/40 comes with a wide range of different material solutions for worktops and fronts and comes with different types of hinged doors or drawers, to fit exactly to the function of each cabinet.

Fixed dividers can easily be attached to the modules with a ClipOn - function and can be adjusted for every 10 and 20 mm. For a more flexible solution, the baskets and trays can be fitted with easy moveable dividers that can be placed in all positions.

Trays and baskets can be equipped with end-stops for fixing the basket or tray in the pull-out situation. When pulled out of the cabinet it can be positioned in a horizontal or sloped position. A basket or tray in a sloped position gives a good overview, even for those in the upper part of the cabinets. It is possible to add your own logo or name on trays and baskets with a separate text marker. These are offered separately on request.



Storage for DIN modules

FlexModul® stands for modular flexibility and high quality for absolutely clean storage units, for 60 cm wide cabinet modules.

Separator compartment is easily attached to the ClipOn fastening module and can be adjusted in intervals of 10 and 20 mm.

Likewise, sliding room divisions can be offered in all positions.

The trays and baskets can be equipped with end stop for fixed withdrawals. It is also possible to add its own touch on the slopes, and baskets with text or company logo.

Advantage

Separate rooms can be adapted to the content

- ◆ Integrated drawer stop
- ◆ Leakage secured
- ◆ Low weight
- ◆ ABS plastic, scratch resistant and shockproof
- ◆ Temperature resistant from -40 °C to +70 °C
- ◆ Large selection of sharing options.





Trays with over 1000 options for subdivision

Baskets and trays are available in three different materials

- ◆ ABS plastic (gray)
- ◆ PC plastic (transparent)
- ◆ Wire basket (plastic coated steel)

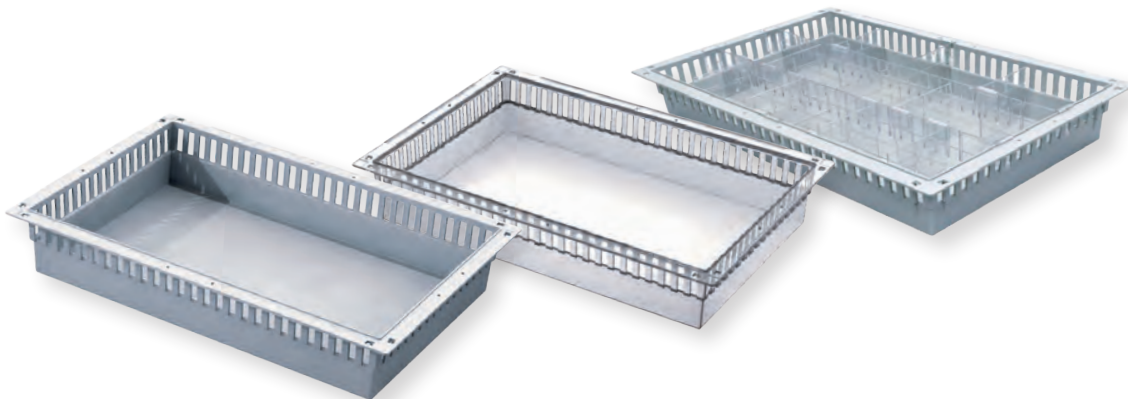


Trays and baskets with fixed pull-out.

- ◆ Can be placed both horizontally and sloped for easy overview of items stored.

Trays and baskets can be fitted with a 110% pull-out bearing that withstands storage up to 50 kg.

- ◆ Ability removable rails for the absolute flexible layout of the closet



SIZES

- 600 x 400 mm
- 300 x 400 mm

HEIGHTS

- 50 mm
- 100 mm
- 200 mm

MATERIALS

- PC
- ABS
- Fe

WEIGHT ALLOWANCE

50 kg

DIVISIONS

	Fixed application
	Variable application
	Removable application

Trays and baskets with pull-out can carry 20 kg to 50 kg

- ◆ Smooth surfaces for optimum hygiene
- ◆ Simple installation of dividers (ClipOn effect)
- ◆ Ability labeling, example with company logo
- ◆ Low weight
- ◆ Stackable





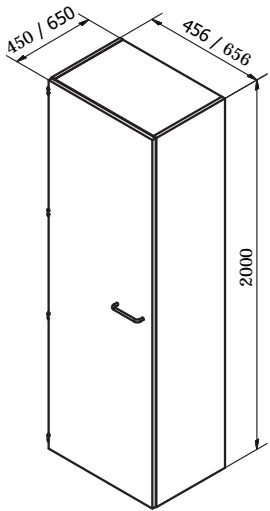
HEISERUDE
SASH WINDOW
FULL ABNING
150 CM
FULL OPENING

AUTO LUKNING
START/STOP
AUTO CLOSE

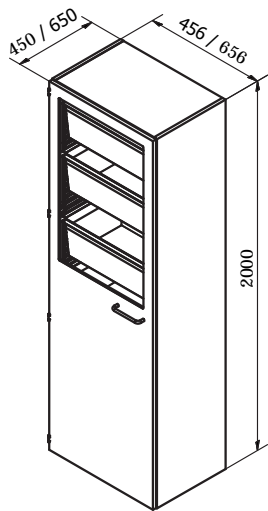


IOI
LAB

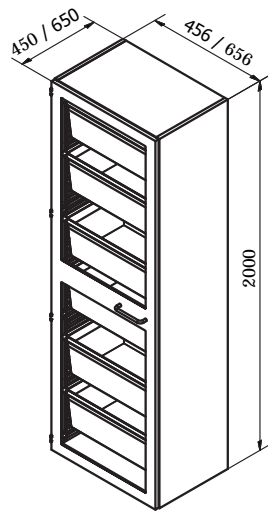
System cabinet with ABS sides



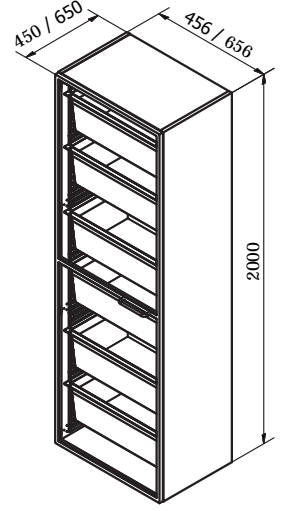
Cabinet with solid door



Laminated door with 1 glass



Laminated door with 2 glass



Aluminum door with 2 glass





Tall storage cabinets

The individual storage system for your individual needs



Angled mount of slide possible (about 25°)



2 in 1: Straight (about 5°) and hinged (about 25°) function

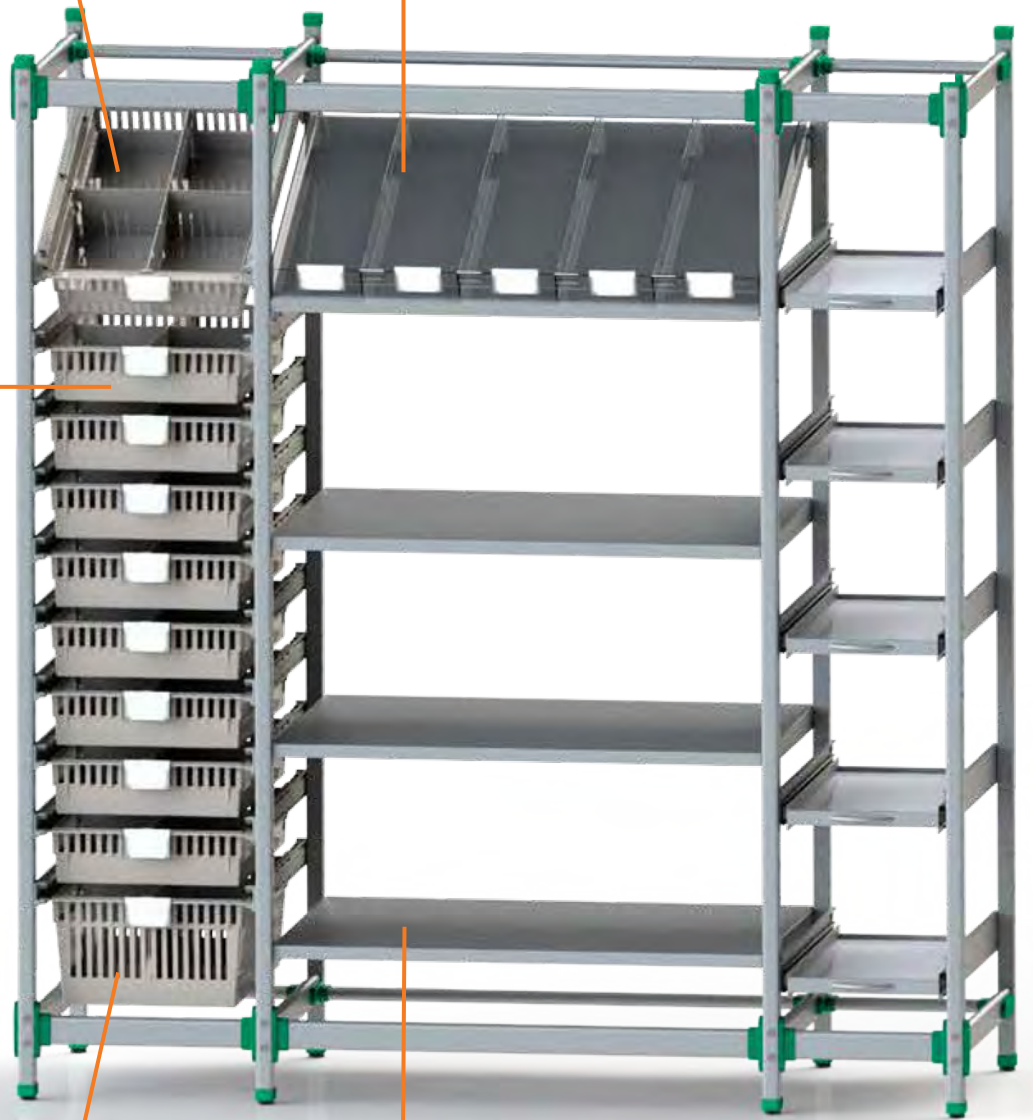


Slides are easy to adjust, just push to release, max load capacity 50 kg per slide pair



Optimised for H+H FlexModules, max. storage capacity 25 H+H FlexModules à 0,186 m² = 4,65 m² per column

Angled mount of shelves with dividers and labeling possible



Alu shelves of all sizes



Trays and baskets

FlexModul® ISO formats stand for modular flexibility and high quality of absolute tidy storage in cabinet modules

Trays and baskets can, of course, be equipped with limit switches for fixed withdrawals.



See special catalog:
Mobile benches and Carts
Trays and Baskets

Materials



ABS Grey



PC transparent

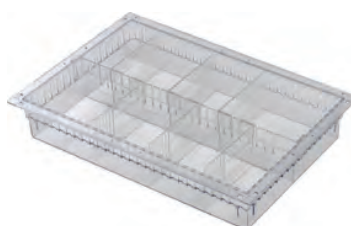


Wire basket, Coated

Compartment



Fixed dividers



Variable compartments



Removable dividers
for quick cleaning

Heights



50 mm



100 mm



200 mm

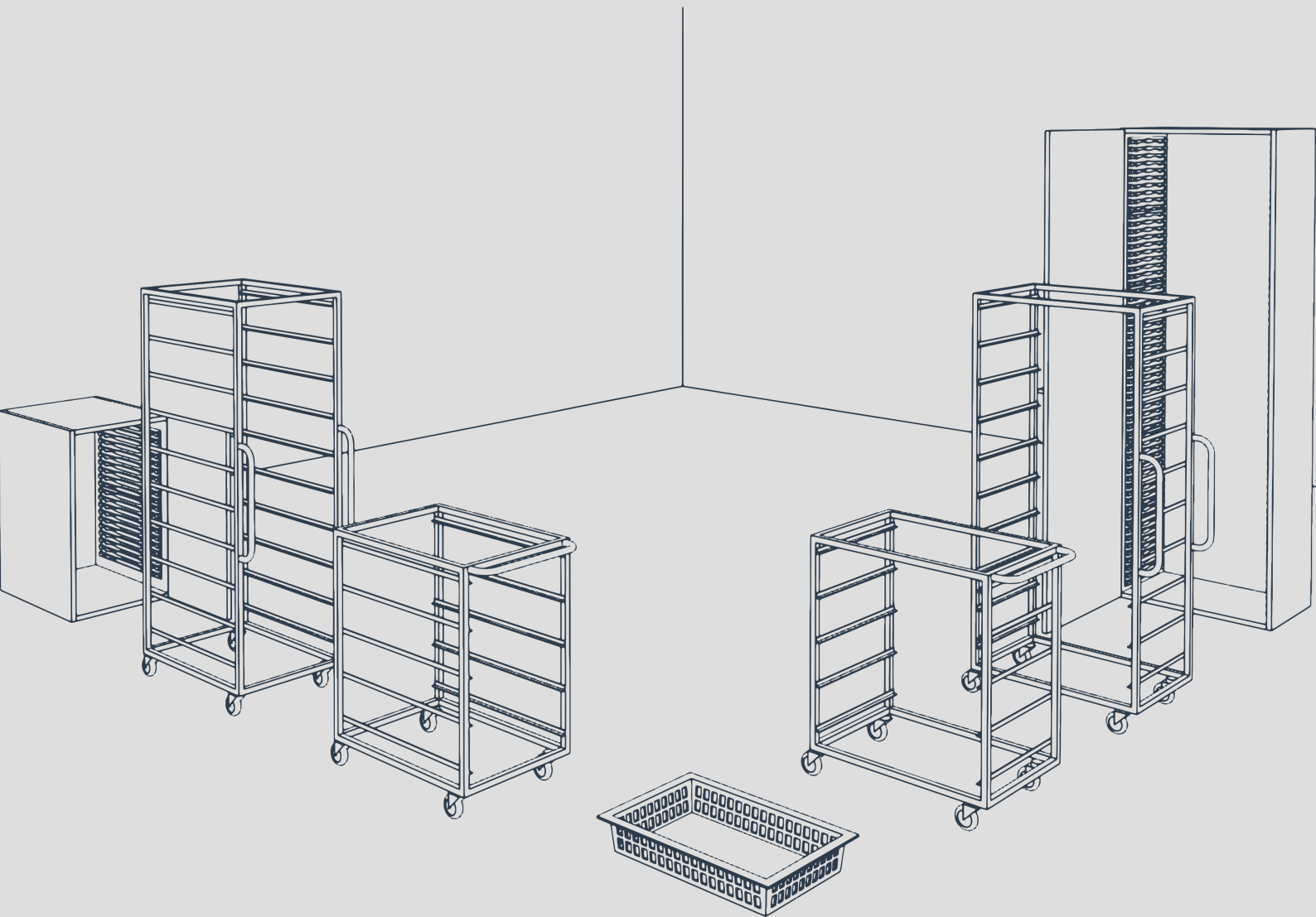
Størrelser



DIN-modul
600 x 400 mm



Half DIN-modul
300 x 400 mm



CHEMICALS AND TOXIC CABINETS



LABMODUL CHEMICAL AND TOXIC CABINETS

┌ Safe handling of chemicals

┌ Personal safety

┌ Spacious storage

┌ Flexible devices



Chemical and toxic cabinet for storage

In the Chemical & Toxic Cabinet, space is optimally utilized with removable wire baskets, pullout trays, removable shelves, or our DIN FlexModul®, which can be used where particularly high flexibility and a logistics system are required for storage.

The interior design system DIN FlexModul® is the result of intensive development work to achieve maximum flexibility, systematic and safe storage with good clarity and order.

Our modular tray/basket system can be used wherever optimized space and tidiness are required, and the system can be moved between cabinets, industrial racks, and mobile transport units.

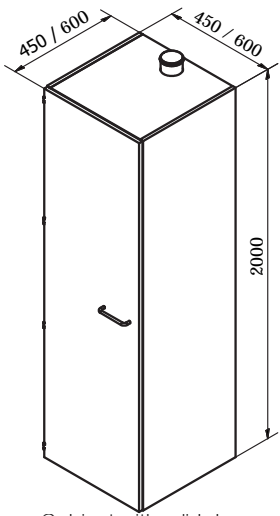
Cabinets are provided with standard locks or system locks that fit the desired locking plan.

The cabinets are designed to withstand intensive use.

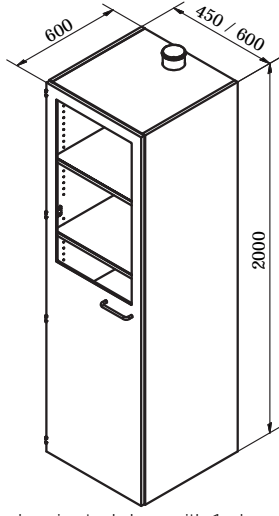




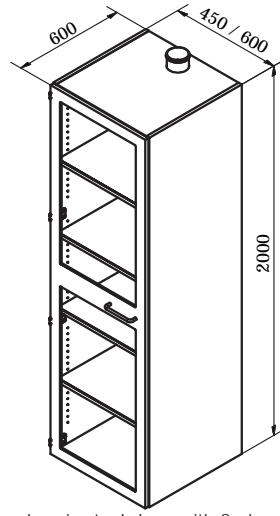
Chemical and Toxic cabinets



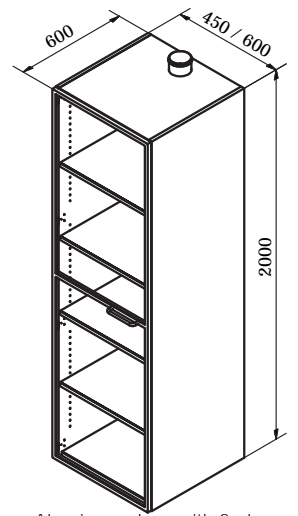
Cabinet with solid door



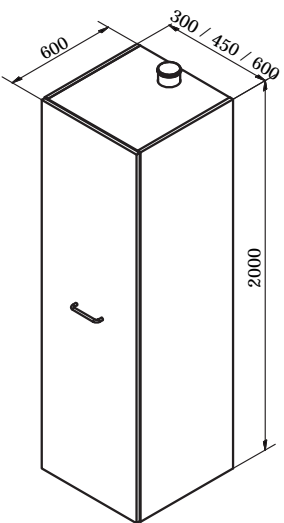
Laminated door with 1 glass



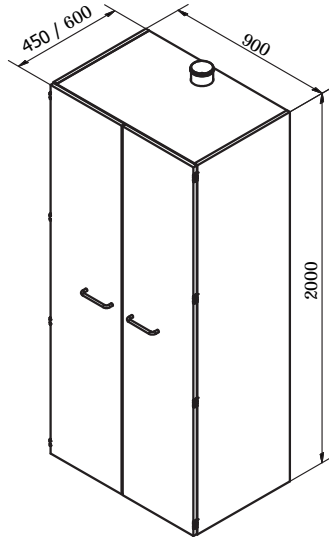
Laminated door with 2 glass



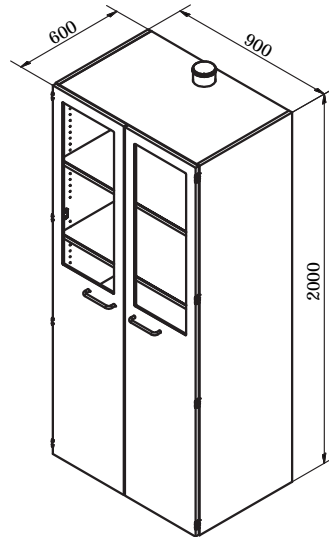
Aluminum door with 2 glass



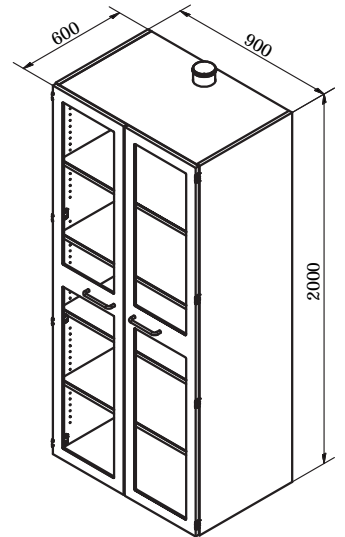
Front pull-out - Drawers / Baskets



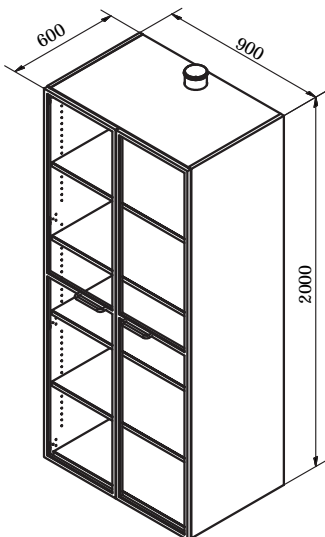
Cabinet with 2 solid door



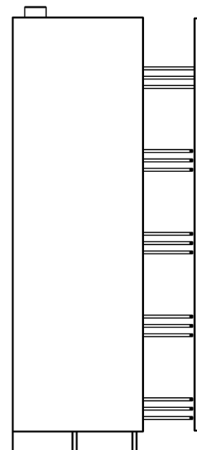
2 Laminated door with 2 glass



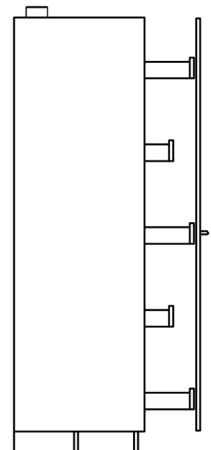
2 Laminated door with 4 glass



2 Aluminum door with 4 glass



Front pull-out cabinet with 5 baskets



Front pull-out cabinet with 5 drawers



Cabinet shelves



Trays and baskets



Wire basket



Pull-out drawers







HPLC CABINETS



LABMODUL HPLC CABINETS

- ┌ Cleaner working environment
- ┌ Flexible workplace
- ┌ Integrated LED lighting
- ┌ Good insight due to Float glass
- ┌ Easy to clean
- ┌ Robust and durable



NEW GENERATION OF HPLC cabinet

Labmodul's ventilated HPLC cabinet can cover all specific requirements for a functional and flexible laboratory. The cabinet provides the highest protection for the user.

Labmodul has redesigned the cabinets so that they appear in a simple and clean design, where the function and flexibility are optimized.

HPLC (High-Performance Liquid Chromatography) cabinets with suction are available in 2 different widths.

Common to the cabinets is the mobile equipment wagon where space has been made for cable connections between the devices and shelves.





HPLC REMOVABLE CABINETS

Inside the cabinet, there is integrated energy-saving LED lighting with a pleasant light temperature.

For service and new installations, the interior cart goes completely out of the cabinet and is accessible from all sides as a perfect ergonomic solution.



The cabinet is designed with a removable upper shelf that can be placed at different heights with an interval of a few cm. Worktop and lower shelf are made of solid compact laminate, prepared for cable and hose penetrations to the stated equipment. The unit can be pulled out of the cabinet without power and equipment having to be disconnected.

The technology panel with 8 sockets is mounted under the worktop and cables can be pulled easily through the worktop via cable holes.



Both the cabinet and appliance table are fitted with large smooth-running industrial wheels with high stability.



HPLC removable cabinets



The labmodul's removable HPLC cabinet is designed to meet all requirements for a functional and flexible appliance when, for example, working with chromatography measurement (High-Performance Liquid-Chromatography). The cabinet is accessible from the front and from the back, so the equipment can be monitored and operated from both sides.

For service and new installation, the interior trolley can be driven completely out of the cabinet and accessible from all sides - a perfect ergonomic solution.

A technical Panel with 8 sockets is mounted beneath the worktop and the cables are pulled easily through the worktop via the cable entry holes.

The cabinet has integrated energy-saving LED lighting with a comfortable light temperature.

The HPLC cabinets are delivered as standard in height of 200 cm, in widths 75 / 120 cm, and 80 cm in depth.



The HPLC cabinet's mobile trolley has been made even more user-friendly. This is helpful for an easy basic setup of the device.

The carriage is designed with a removable shelf at the top that can be placed within a range of a few cm, Worktops, and underframes are made of solid compact laminate, prepared for cable, and pipe feeds for the installed equipment. The unit can be pulled all the way out of the cabin without disconnecting power.

The carriage is approved for a total load of 250 kg divided as follows:

- Top shelf 30 kg
- Center shelf 180 kg
- Bottom shelf 100 kg
- EL outlet 8 pcs. 230V

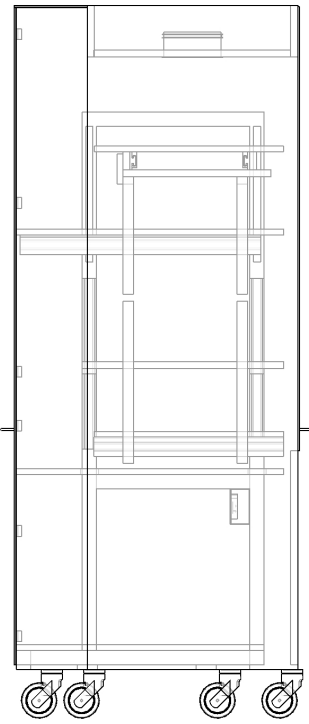
Depth

800

Width

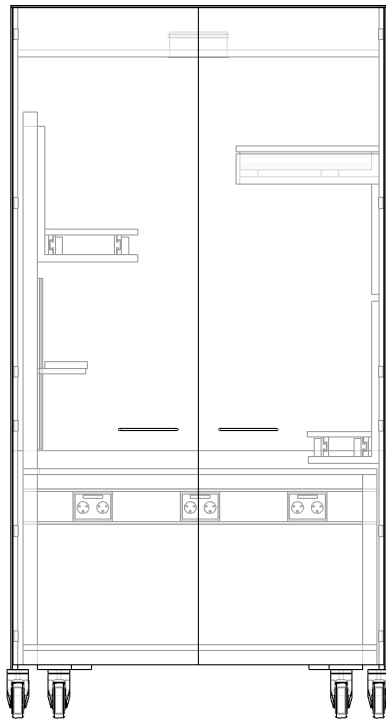
1060

2000

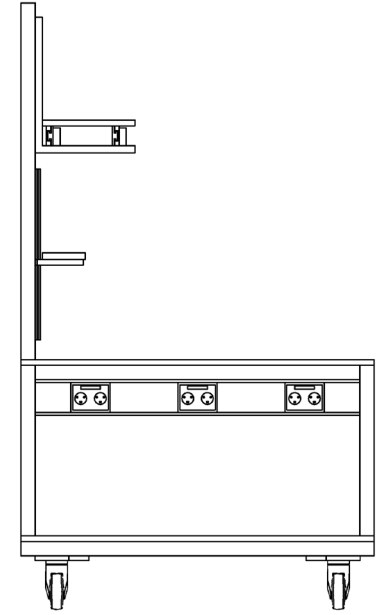


Side view

1700

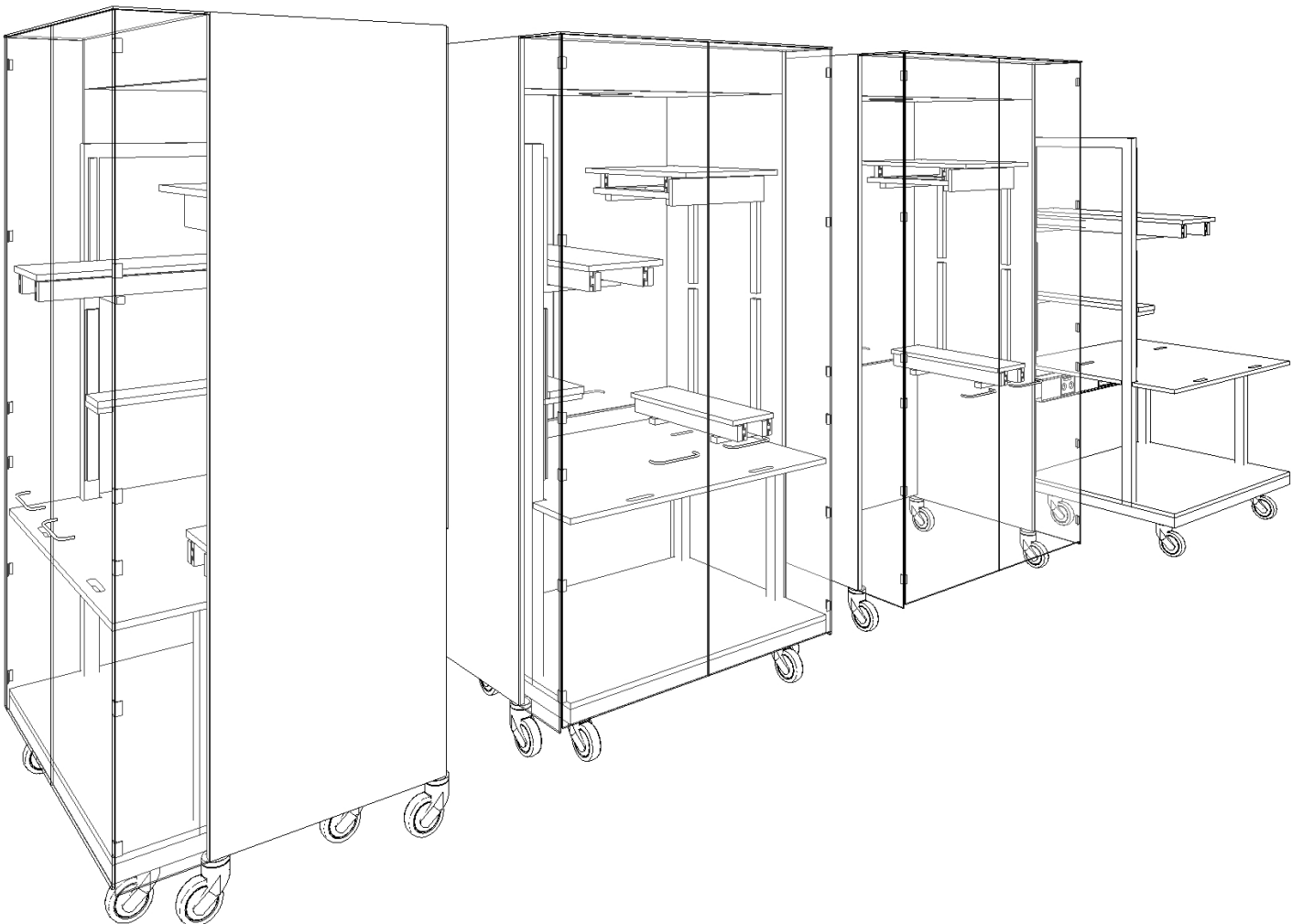


Front View



Interior mobile cabinet

990





Inside the cabinet has integrated energy saving LED lighting with a pleasant light temperature.



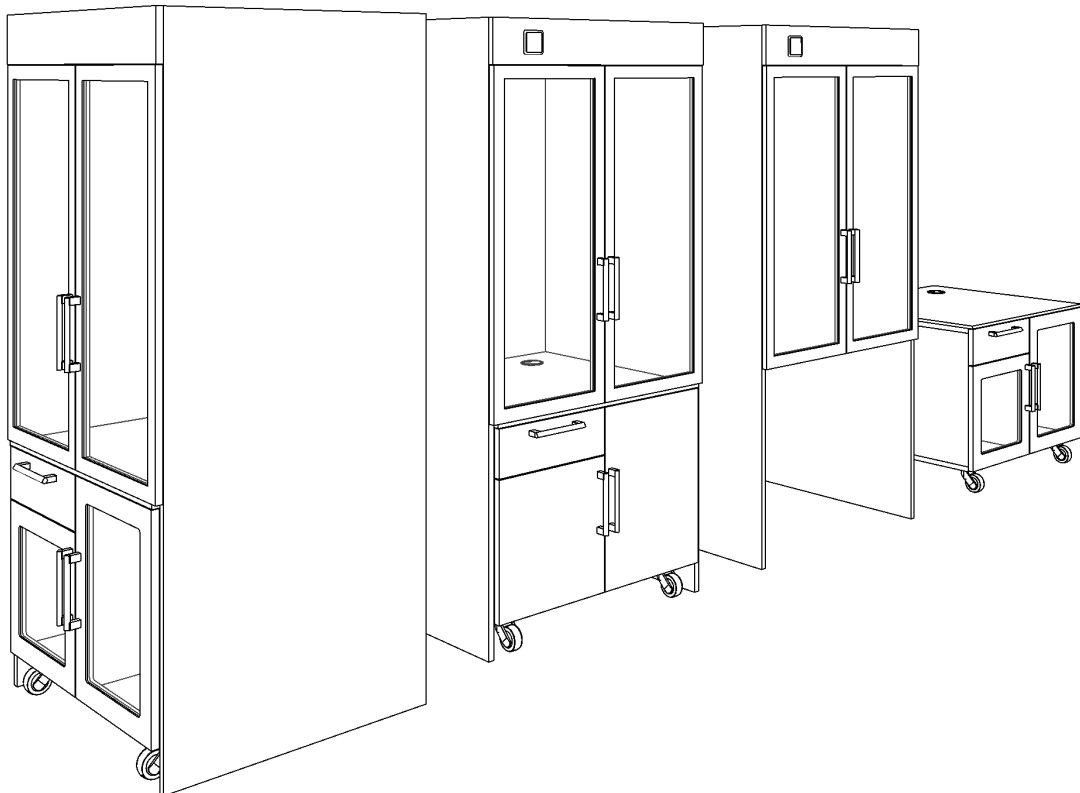
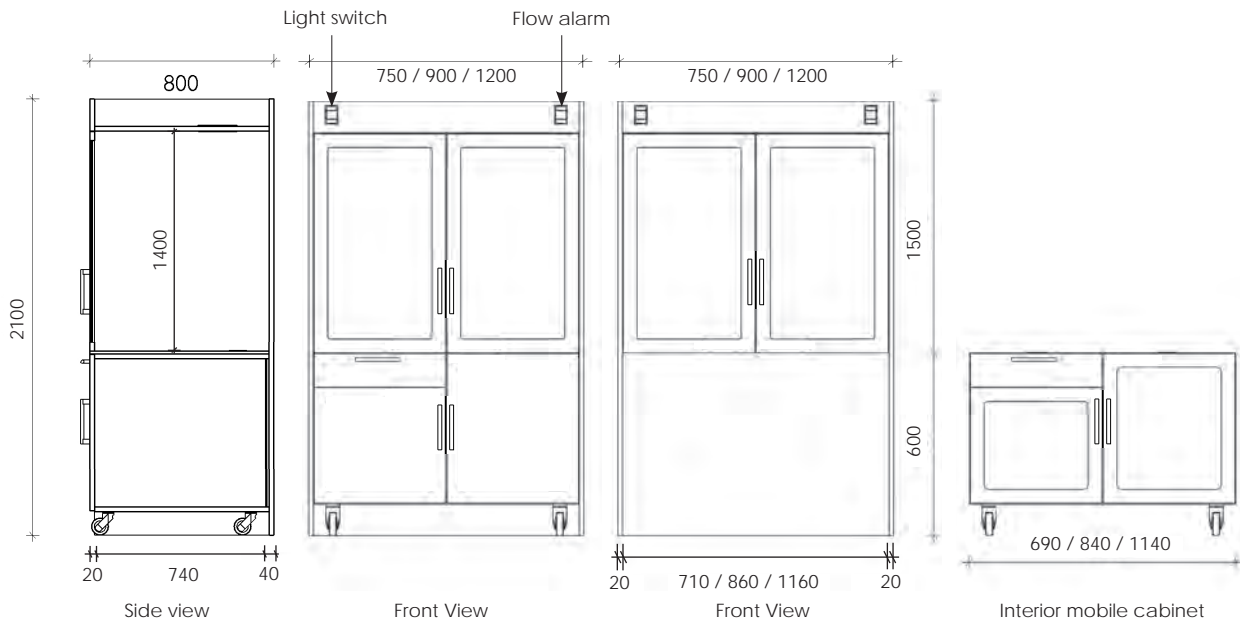
By service and new installations, the interior cabinet goes completely out of the outer cabinet and is accessible from front, a perfect ergonomic solution.



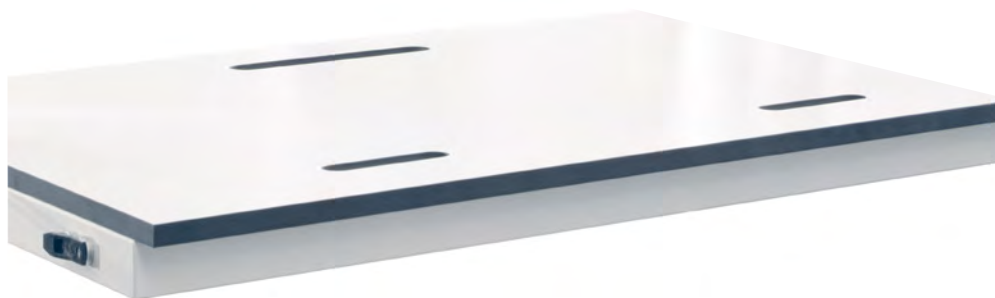
The inner cabinet is fitted with large smooth-running industrial wheels with high stability.







Specifications and accessories



The HPLC cabinet worktop and top shelves are provided with cable entry holes allowing an orderly and stable setup to be performed.

Accessories

In addition to Flow Monitor, a Level Guard can be installed that continuously measures and protects against overflowing dump collectors for solvents. Level guard has built-in acoustic and visual alarm.

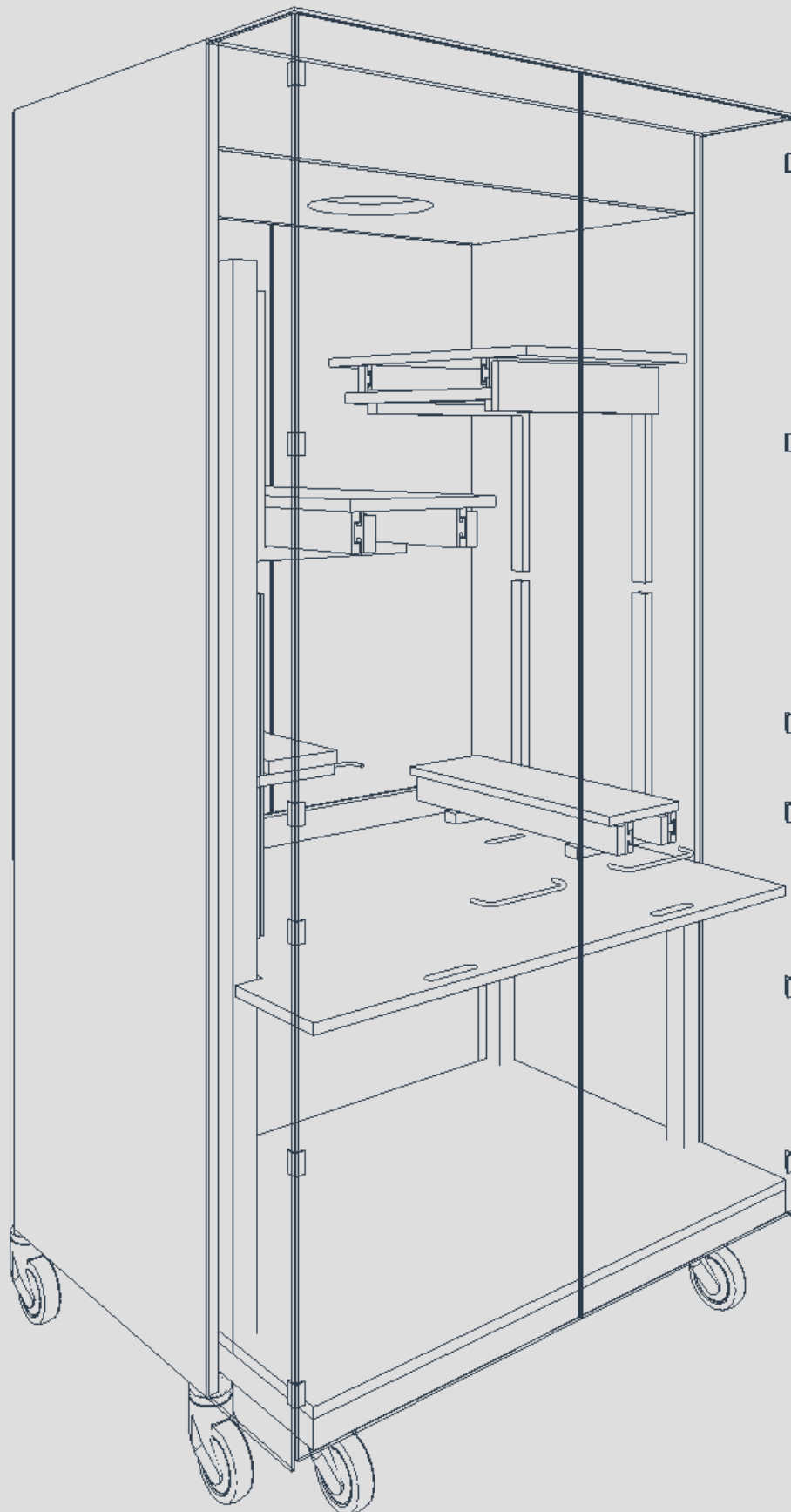


Specifications

The HPLC cabinet is available in 2 sizes:
Single unit for 1 pc. appliance
Dimensions: WxDxH 750 x 800 x 2000 mm

Double unit for 2 pcs. appliances
Dimensions: WxDxH 1200 x 800 x 2000 mm








EXHAUST CABINETS



LABMODUL EXHAUST CABINETS

- ┌ Cleaner environment
- ┌ High flexibility
- ┌ User-friendly
- ┌ High load capacity
- ┌ Easy to clean
- ┌ Robust and durable



Exhaust CABINETS

EXHAUST CABINETS

By performing the polluting processes in a working cabinet, the encapsulated source of pollution and contamination is prevented from spreading to the room. This will give the best effect and a cleaner working environment.

Work Cabinets are divided into the following products

Work cabinets are made of PETG and aluminum. PETG is an impact-resistant plastic with a high degree of transparency and good resistance properties.

Exhaust cabinets are shaped like a fume cupboard with the limitation that hazardous and flammable contaminants must not be handled. Exhaust cabinets typically have a reduced airflow in relation to a fume cupboard of the same size.

Low-energy work cabinets are especially useful for intensive use, thereby achieving substantial operational energy savings.

Built-in suction cabinets for smaller handlings, a flexible solution, naturally integrated with the other storage units.

Working cabinets are easy to clean, as they are resistant to all general detergents and methylated spirits.

Performance Measurements

The Danish Technological Institute has made efficiency measurements on the work cabinets to determine the presence of the recommended airflow.

Exhaust Cabinets

The exhaust cabinets are used for smelling or less risky work. The exhaust cabinets are often used for weighing tables or device configurations.

The cabinets provided widths of 90, 120, 150, and 180 cm in the depth of 65 to 85 cm as standard. The cabinets are also offered with a bye-pass grill with a switch for ventilation by balancing the number of decimal places.

Labmodul's exhaustion cabinets can be placed directly on top of an existing table, or on a specially designed with EL aside. The tables can also be equipped with height-adjustable features to optimize ergonomics.

The cabinets are easy to clean

Exhaustion cabinets are produced in 2 versions:

Model BAL Vertical lift pane

Model BAS with oblique lift pane



Suction unit built in cupboard

Local logistics focusing on the protected work.

High cabinets with a built-in suction unit are a practical solution for such things as chemical storage.

The appliance can be fitted to your requirements with ventilated cupboard, waste systems, or just with general storage.

The cabinet is fully in context with all our storage and chemical cabinets.

The suction box is designed for adaptation in furniture systems, System Cabinets ISO 60/40, and System Storage.



Removable mobile suction cabinets



Working cabinet - Type 1

Suction cabinets Type 1 is made of a vacuum molded transparent PETG top and side panels of transparent PETG assembled in the corners with anodized aluminum profiles.

The lightly pyramidal top with 2 tempered safety glass windows ensures the user's view of the working process inside the cabinet.

The opening is relatively large making this cabinet suitable for measurement and analysis processes.



Working cabinet - Type 2

Suction cabinets Type 2 is a vacuum-molded cabinet made of transparent or opal white PETG. A window of tempered safety glass is mounted in front of the sloping top ensuring the user's view of the working process inside the cabinet.

The suction box can be combined so as to be connected to an extraction arm. Flexible solution for quick and easy creation of local personal protection.

The size of the opening is useful where the extraction of a small amount of air is needed.



Working cabinet - Type 3

Suction cabinets Type 3 rests on the sides. The top is a square hood from System 75. The sides are of powder coated steel with an antislip list at the bottom.

We deliver the cabinet with one flange, two connection pipes and one joint with damper to facilitate the connection to the duct. At the same time, the joint with damper makes it possible to open and close the airflow at the cabinet.

The size of the opening makes the cabinet suitable for processes such as mixing, measuring and weighing on a small scale. This is why the cabinet is especially useful in hairdressing salons.

Suction cabinets Type 1

Three sizes, three air volumes

Type 1 is equipped with a transparent vacuum molded PETG top with a window of safety glass allowing a good view of the working process.

The transparent sides of PETG are assembled with aluminum supports in the corners. This type is available with sides in three different heights of approximately 200, 500 or 750 mm. The higher cabinets have a bigger opening and therefore a larger air volume.

Cabinet Type 1 is delivered unassembled and with loose screws in order to reduce the freight costs.





Suction cabinets Type 2

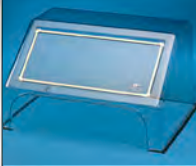

Molded work cabinet with small opening

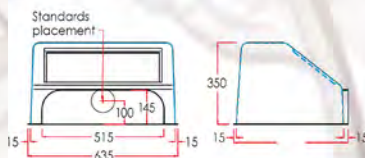
Type 2 is a vacuum molded cabinet of transparent PETG with a window of safety glass allowing a good view of the working process.

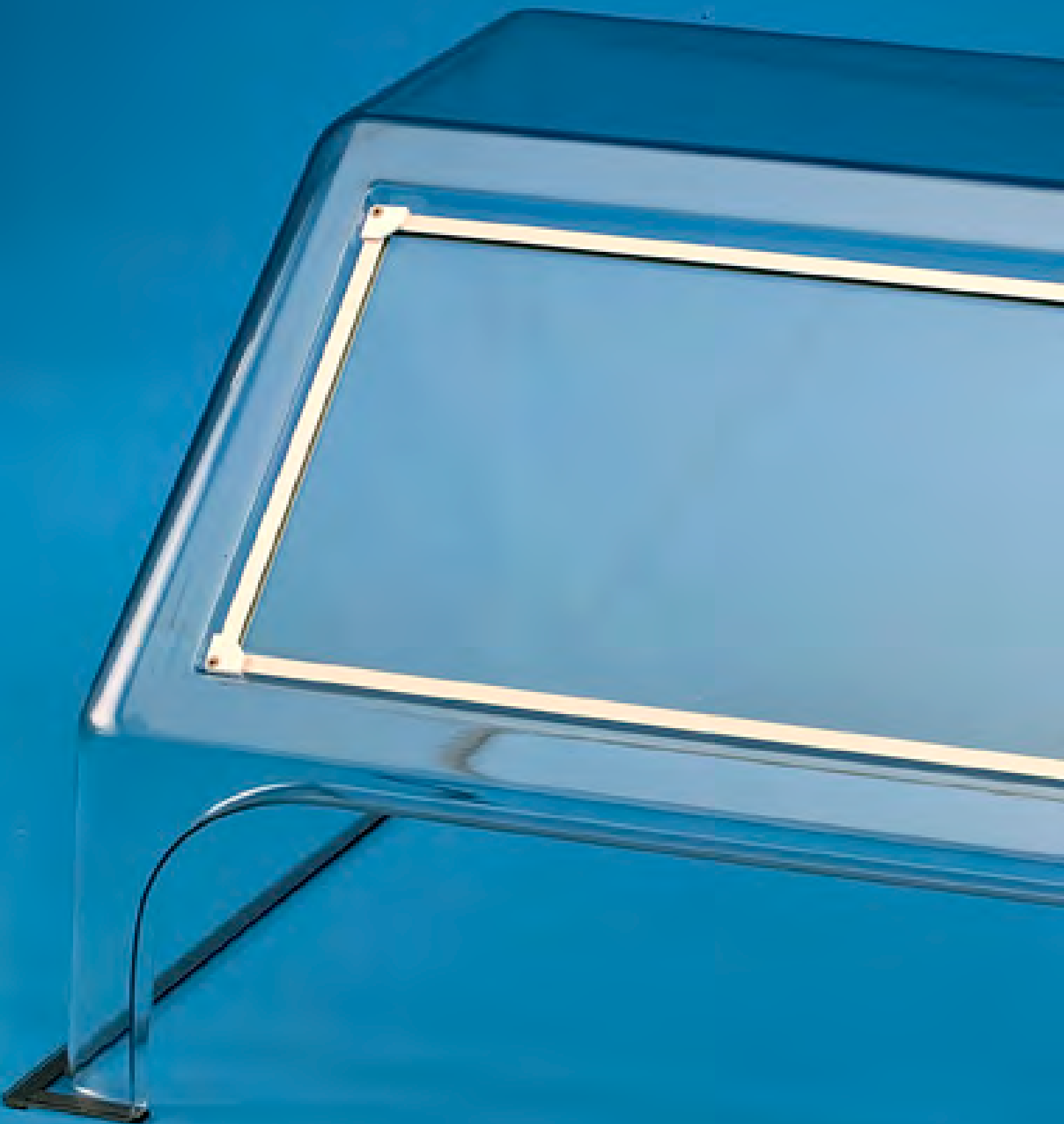
The broad cabinet with a small opening has lots of space for hands and arms. This work cabinet is therefore suited for small tasks such as grinding or cleaning.

Cabinet Type 2 is also available in a semi-transparent (opal white) version.



Type 2 / Working cabinets					
	Dimensions	Opening mm	Colour Cabinet	Air volume m ³ /h	Basic Article no.
	635 x 480 x 350	515 x 145	Trans-parent	117 m ³	25-604535-0-5
	1000 x 600 x 710	715 x 460	Opal	117 m ³	25-604535-0-7-5





Suction cabinets Type 3

Small work cabinet with a large opening


Cabinet Type 3 is also equipped with a transparent PETG-top. The sides are of white powder coated steel.

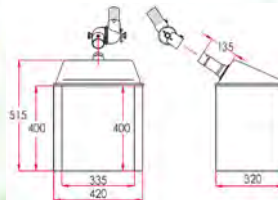
This cabinet is delivered with a flange, 2 loose stub pipes and a joint with damper allowing a good connection to the ventilation system.

Work cabinet type 3 is often used as a mixing cabinet e.g. at hairdressers.

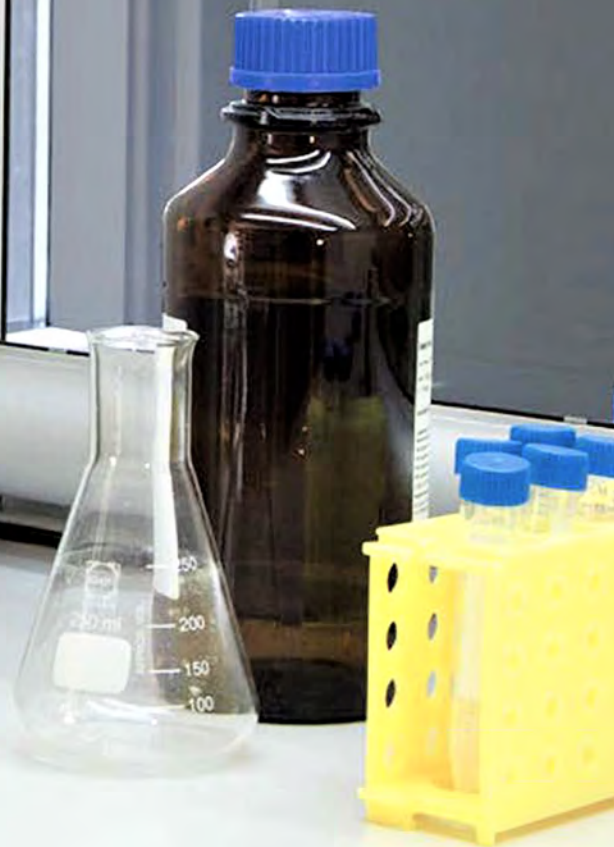
The small cabinet does not require much space and the large opening enables free access to the work process.



Type 3 / Work cabinets					
	Dimensions	Opening mm	Side panels mm	Airflow m ³ /h	Article no.
	420 x 320 x 515	335 x 395	400	204 m ³	25-4030







Exhaust Cabinets

Protected workplace

Venting cabinets used for smelling or less hazardous items.

Labmodul's venting cabinets can be placed directly on top of an existing table, or on a specially designed with electrical outlets.

The table can be equipped with height adjustable features for proper ergonomics.

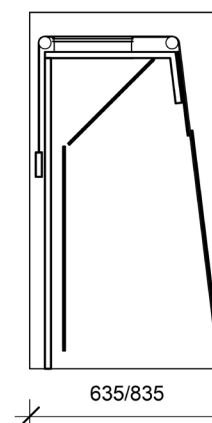
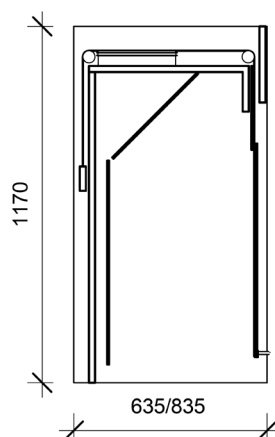
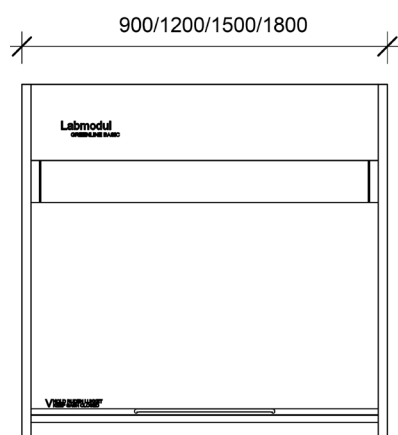
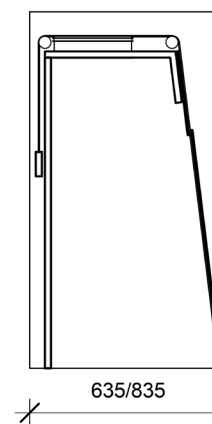
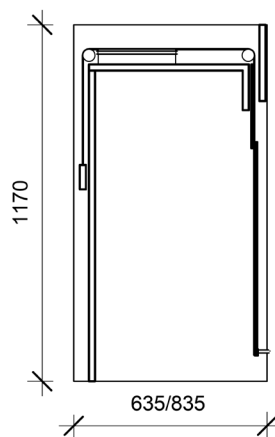
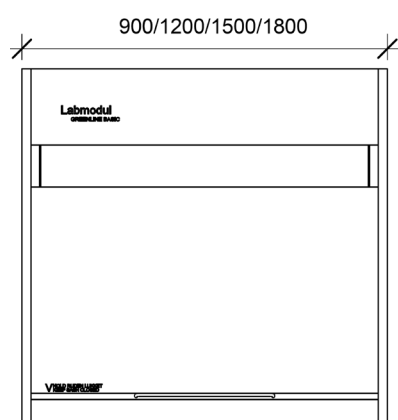
Float glass is used to optimize the view in the work area.

The cabinets are easy to clean.

The exhaust cabinets are produced in 2 versions: Model Basic and Pro with Vertical Lift sash window and oblique Lift sash window.



Model Basic and Model Pro				
	Module width mm	Depth mm	Depth mm	Airflow m ³ /h
Model Basic og Model Pro	900	635	835	300 m ³
	1200			400 m ³
	1500			500 m ³
	1800			600 m ³





Suction unit built

For mixing or dispensing of medications we offer a suction unit, which elegantly integrated into a high cabinet. The Worktops is equipped with a drip tray in stainless steel, which can be removed for cleaning.

High cabinets with built-in suction unit is a practical solution also for such things as chemical storage. The appliance can be fitted to your requirements with ventilated cupboard, waste systems or just with general storage.

The cabinet is fully in context with all our storage and chemical cabinets.

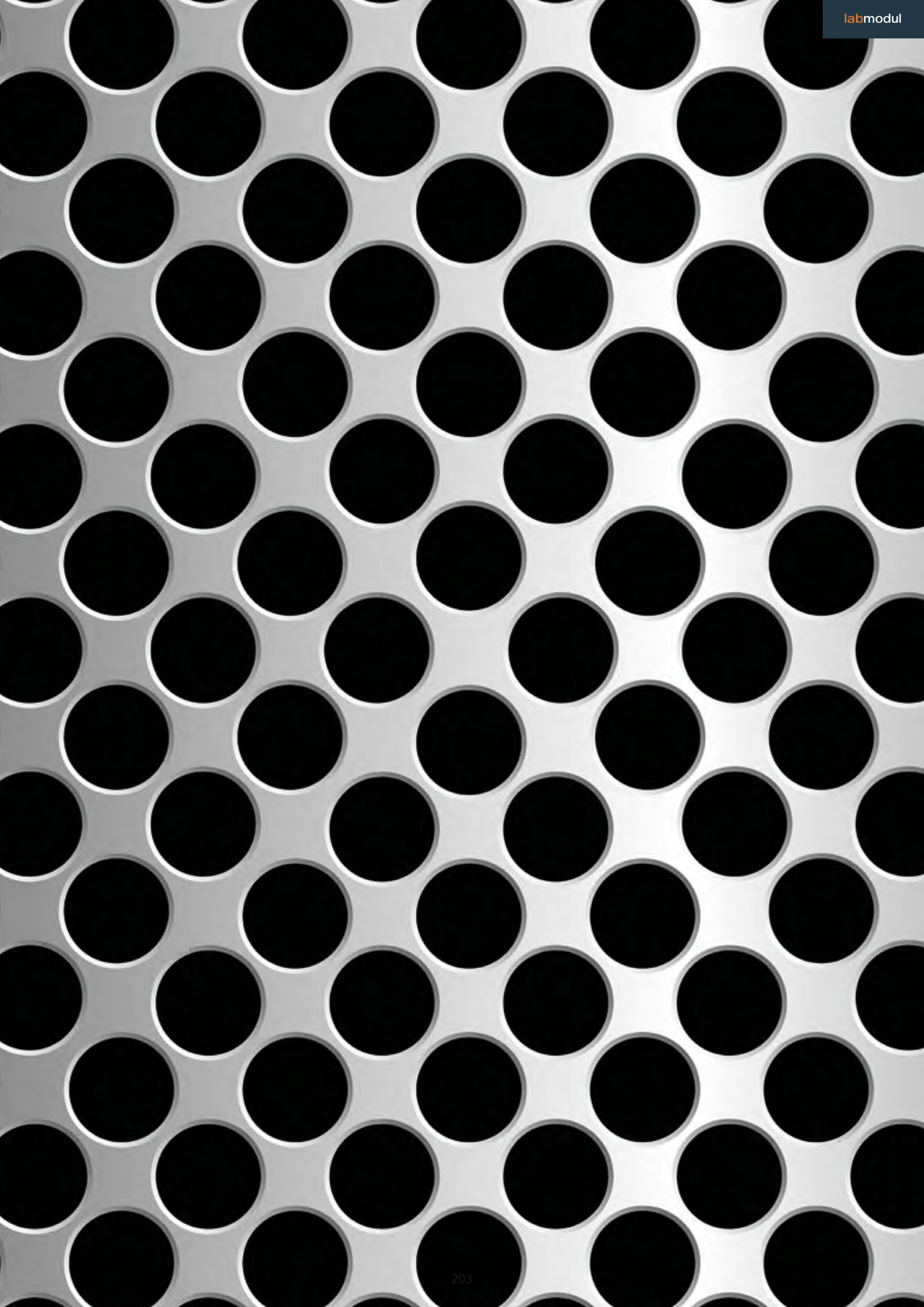
The suction box is designed for adaptive furniture systems: System Create ISO 60/40, and System Storage.



Medicinskab med udsugning

	Dimension Width mm	Depth mm	Depth mm	Air flow m ³ /h
	650	650	650	300 m ³
	900			300 m ³





EXTRACTION ARMS



LABMODUL EXTRACTION ARMS

- ┌ Cleaner working
- ┌ High flexibility
- ┌ User-friendly
- ┌ High load capacity
- ┌ Easy to clean
- ┌ Robust and durable



Local Exhaust for a cleaner working environment

Installation of individual fume extraction systems at the source of the pollutant during the working process prevents the spread of polluted air into the surroundings. A local exhaust system is, therefore, the best solution for a clean working environment.

User-friendly extraction arm

Fume extraction arms are self-sustaining with internally threaded stays and bearing springs. This construction constitutes a very user-friendly fume extraction arm that is easy to adjust to the source of the pollutant during the working process.

Easy maintenance and long durability

The only maintenance for an extraction arm needs is to clean it according to the requirements. It is easy to disassemble the arm and reassemble it after cleaning without the need for tools.

Extraction arms are made of high-quality materials ensuring easy maintenance and long durability.

All plastic parts are made of shock-proof Polypropylene (PP). The internal and external surfaces of all brackets are powder coated.

Threaded stays, springs, and finger screws are made of acid-proof stainless steel ensuring long durability in aggressive environments. All O-rings are maintenance-free.

Measurements of pressure drop and efficiency

The Danish Technological Institute has measured the sound level, pressure drop, and efficiency of the extraction arms and hoods. Please contact Labmodul or visit for test results, dimensioning diagrams, and installation heights.



Flexible program



Standard aluminum extraction arms (AL) are well fitted for working areas without special demands for chemical resistance or conductive properties.

The tubes are made of anodized aluminum and the joints are cast of impact-proof polypropylene (PP). The extraction arms can be delivered with a suction tip or hoods of various materials.



Antistatic extraction arms (AS) differ considerably from the other types of materials, because both tubes and joints are made of impact-proof, conductive polypropylene (PP).

System 75 AS and System 100 AS have both been tested and approved for use in EX areas (ATEX) in accordance to IEC 13463-1 and IEC 61430-4-1 and are marked: EX II 1 GD

These extraction arms are delivered with an earth connection. As they are tested and approved for use in ESD areas in accordance to IEC 61430 5-1 as well, the extraction arms are delivered with a 1M Ω resistance earth connection.

The nozzle for the antistatic extraction arm is made of conductive polypropylene (PP) and is delivered with a hood of either TCP-coated aluminum or vacuum formed conductive polypropylene (PP).



The chemical resistant extraction arms (PP) is used in aggressive working environments with special demands for chemical resistance, i.e. by exhaustion of heavy chemical fumes.

The internal parts of the chemical resistant extraction arms are made of acid-proof stainless steel (AISI 316L). The tubes are made of white impact-proof polypropylene (PP) a plastic material resistant to many different chemicals, a contributing factor in making the extraction arms last for a very long time in aggressive working environments.

Material Variants

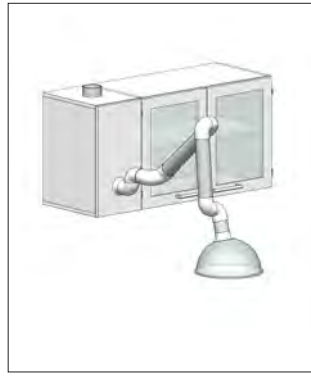
The systems work with three different material variants, each with its application. Selection of the extraction arm, it is important that you take a position on which material is best suited for your pollution and your work environment.

Material variants				
System	Dimensions	Alluminium (AL)	Antistatic (AS)	Chemical Resistant (PP)
System 50	Ø50 mm	●	●	
System 50 FLEX	Ø50 mm	●	●	
System 63	Ø63 mm			●
System 75	Ø75 mm	●	●	●
System 75 TELESKOP	Ø75/Ø100 mm	●		
System 100	Ø100 mm	●	●	●

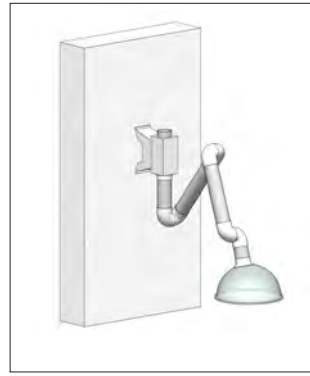
Models



Deck mounted



Cabinets mounted

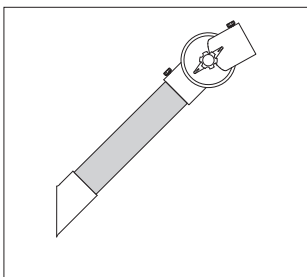


Wall mounted



Ceiling mounted

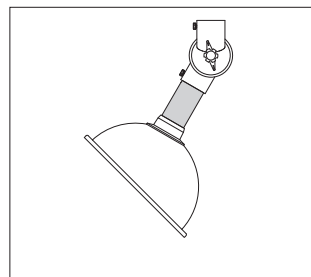
Suction Pens and Hoods



Suction pen

recommended for small concentrated sources of pollution.

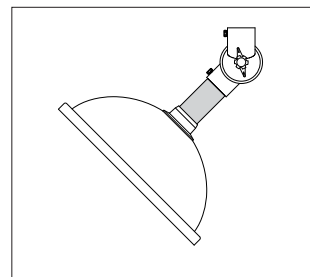
- ◆ High efficiency as the extractor tube gets close to the source without obstructing the work process
- ◆ Tube and tip made of chemical resistant polypropylene (PP)
- ◆ Funnel of the tube in order to increase the capture efficiency
- ◆ Length: 210-250 mm
- ◆ Colour: white.



Round hood

recommended for light fumes, gases and over small open vessels.

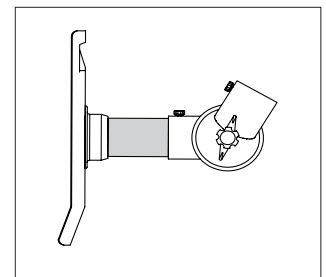
- ◆ Diameter of hood: Ø280 mm
- ◆ Increased stability when moving the hood due to the reinforced rim of the hood
- ◆ Hood made of transparent PETG, resistant to solvents
- ◆ Connection tube made of chemical resistant polypropylene (PP)
- ◆ The transparent hood assists in keeping a good view of the workpiece.



Round hood

recommended for light fumes, gases and over open vessels.

- ◆ Diameter of hood: Ø385 mm
- ◆ Increased stability when moving the hood due to the reinforced rim of the hood
- ◆ Hood, flange, and connection tube made of chemical resistant polypropylene (PP).



Flat screen

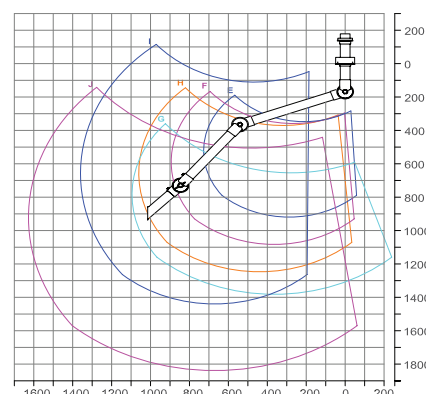
recommended when extracting heavy fumes and gasses.

- ◆ Dimension of the hood: 330x240 mm
- ◆ Increased capture efficiency when placed vertically on a surface
- ◆ Hood, flange, and connection tube made of chemical resistant polypropylene (PP)
- ◆ Gets close to the source without obstructing the work process.

The working area

The working area of the arm is defined from the center of the opening of the accessory. The working area changes according to the type of accessory and positioning.

When choosing the arm we recommend that the stationary working position of the accessory is not placed in the highest or lowest part of the working area.









System 50

Air volumes between 45-85 m³/h.

System 50 is applicable in trades with small pollution sources and small amounts of pollution such as the electronics industry, laboratories, dental clinics, laser techniques, classrooms in schools, hairdressing schools, hairdressing salons, nail salons, decorator workshops, and goldsmith's workshops.



System 50 Flex

Air volumes between 45-85 m³/h.

System 50 Flex is applicable in trades with small pollution sources such as the electronics industry, laboratories, nail salons, and decorator workshops.

System 50 Hoods - Ø50 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	765	45 m ³	65 m ³	85 m ³	50-3727-1-5
	945				50-4737-1-5
	1125				50-5747-1-5
	1425				50-8747-1-5
Cabinets mounted Wall mounted Ceiling mounted	750	45 m ³	65 m ³	85 m ³	50-3727-3-5
	910				50-4737-3-5
	1125				50-4767-3-5
	1080				50-5747-3-5
	1380				50-8747-3-5
	1660				50-8787-3-5

System 50 FLEX Hoods - Ø50 mm					
Assembly form Numbers og joints	Lench (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Deck mounted 1-joints	700	45 m ³	65 m ³	85 m ³	50-21-1-23-5
Deck mounted 2-joints	900	45 m ³	65 m ³	85 m ³	50-3721-1-23-5

Hoods

Tube dimension: Ø50

For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø50 mm		
Suction Pens	Length (mm)	Article No.
	210	1-5021-5
Hoods	Dimension (mm)	
	250	1-5028-5
	385	1-5035-5
	330 x 240	1-503324-5



System 63

Air volumes between 60-120 m³/h

System 63 is made of a chemical-resistant material and is, therefore, particularly applicable in trades with aggressive work environments, such as hairdressing salons, laboratories, hospitals, chemical industries, pharmaceutical industry as well as food industries.

For System 63, we have supplemented the range of hoods with 4 of our most popular hoods which are not chemical resistant. Therefore, System 63 is also applicable to elementary schools and dental clinics.



System 63 Hoods - Ø63 mm					
Assembly form	Length (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	800	60 m ³	90 m ³	120 m ³	63-3535-1-5
	1080				63-5545-1-5
Cabinets mounted	760	60 m ³	90 m ³	120 m ³	63-3535-3-5
Wall mounted	1120				63-3590-3-5
Ceiling mounted	1025				63-5545-3-5
	1190				63-6555-3-5
	1500				63-9065-3-5

Hoods

Dimensions: Ø63

The selection of hoods covering both chemical-resistant screens and PETG monitors for general use. The screens are including a pipe outlet.

Contact Labmodul for further information.

Suction Pens and Hoods - Ø63mm		
Suction Pens	Length (mm)	Article No.
	250	1-6325-7-5
Hoods	Dimension (mm)	
	280	1-6328-5
	385	1-6335-5
	330 x 240	1-633324-7-5



System 75

**Air volumes between
80-180 m³/h**

System 75 Aluminium is particularly applicable in trades such as laboratories, laser techniques, hospitals, chemical industries, pharmaceutical industries as well as food industries, schools, high schools, universities, and machine shops. In addition, System 75 is also applicable in hairdressing salons, veterinary hospitals, and the electronics industry.



System 75 Telescopic

System 75 Telescopic is particularly applicable for stationary workstations such as extraction from vessels or at weighing stations.

The system is made of aluminum pipes and is therefore applicable in work areas with no special requirements for chemical resistance or conductivity.

System 75 Hoods - Ø75 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	830	80 m ³	140 m ³	180 m ³	75-3535-1-5
	1105				75-5545-1-5
	1290				75-6555-1-5
	1620				75-9065-1-5
Cabinets mounted Wall mounted Ceiling mounted	795	80 m ³	140 m ³	180 m ³	75-3535-3-5
	1200				75-3590-3-5
	1060				75-5545-3-5
	1230				75-6555-3-5
	1550				75-9065-3-5
	1660				75-9065-3-22-5 ¹⁾
	1730				75-9090-3-5
	1990				75-9090-3-22-5 ²⁾

1) With one external gas spring. 2) With two external gas springs

System 75 TELESCOPIC Hoods - Ø75 mm					
Assembly form	Length (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Wall mounted	950-1300	80 m ³	140 m ³	180 m ³	900-1300-2
	1300-1900				900-1900-2
Ceiling mounted	900-1300	80 m ³	140 m ³	180 m ³	900-1300-3
	1300-1900				900-1900-3

Hoods

Dimensions: Ø75

The selection of hoods covering both chemical-resistant screens and PETG monitors for general use. The screens are including a pipe outlet.

For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø75 mm		
Suction Pens	Length (mm)	Article No.
	250	1-7525
Monitors	Dimension (mm)	
	280	1-7528-5
	385	1-7535-5
	330 x 240	1-753324-5



System 100

Air volumes between 140-400 m³/h

System 100 is applicable in trades with large pollution sources and large amounts of pollution, such as laboratories, hospitals, chemical industries, pharmaceutical industries as well as food industries, universities, and machine shops.



System 100 Hoods - Ø100 mm					
Assembly form Numbers 3-joints	Length (mm)	Airflow m ³ /time			Article No.
		Minimum	Normal	Maximum	
Deck mounted	1040	140 m ³	270 m ³	400 m ³	100-4540-1-5
	1185				100-5545-1-5
	1370				100-6555-1-5
	1710				100-9065-1-5 ¹⁾
	2130				100-10585-1-5 ²⁾
Wall mounted	1040	140 m ³	270 m ³	400 m ³	100-4540-2-5
	1185				100-5545-2-5
	1370				100-6555-2-5
	1710				100-9065-2-5 ¹⁾
	2130				100-10585-2-5 ²⁾
	2630				100135105-2-5 ²⁾
Wall mounted	1185	140 m ³	270 m ³	400 m ³	100-5545-3-5
	1370				100-6555-3-5
	1710				100-9065-3-5 ¹⁾
	2130				100-10585-3-5 ²⁾
	2630				100-135105-3-5 ²⁾

1) With one external gas spring. 2) With two external gas springs

Hoods

Dimensions Ø100 mm Wide range of screens in all three materials:

Aluminum (AL), Anti-static (AS), and Chemical resistant (PP). The screens are included a pipe outlet.

For variants for anti-static and chemical use, contact Labmodul for further information.

Suction Pens and Hoods - Ø100mm		
Suction Pens	Length (mm)	Article No.
	200	1-10024-5
Skærme	Diameter (mm)	
	385	1-10035-5
	500	1-10050-5
	420 x 280	1-1004228-5

FUME CUPBOARD GREENLINE BASIC



GREENLINE BASIC

- ┌ Personal safety
- ┌ High quality for everyday use
- ┌ Designed for GMO facilities
- ┌ Ergonomic and comfort features
- ┌ EN/DS 14175



GREENLINE™ BASIC

Effective fume cupboard for safety, ergonomics in a modern and timeless design. The fume cupboard is designed according to the EN / DS 14175 fume cupboard standard and meets all international safety requirements.

GREENLINE™-series is prepared for a range of options that provide the cupboard with comfort, service features. The fume cupboard is designed for flexibility in the future requirements, features and ergonomics.

The fume cupboard cabinet can be fitted with a sash window automation that intelligently works in conjunction with the fume cupboard and room automation.

Design

Cabin aerodynamics

The fume cupboard cabin is the central part of effective personal protection. The safety is optimized to ensure even airflow both with and without equipment and set up in the cabin.

Flexibility

GREENLINE BASIC-series is configurable and consists of a basic module that can be customized according to specific needs and functional requirements. For future needs, the fume cupboard can be easily expanded with additional technical media outlets or other functions.

Direct personal protection

The sash windows are made of safety glass, which protects the user in case of an accident with a chemical attack, or explosion.

The sash window is balanced with a counterweight located on the rear of the fume cupboard, which allows easy operation of the sash window. A double wire system made of acid-proof stainless steel, attached with professional system fittings, connects the two components.

Instant lock - fall protection

In the event that a fracture occurs on a wire or bracket, the built-in fuse locks and maintains both the sash window and counterweight in position so that injury is avoided.

Pressure safety device

In case of sudden overpressure in the cabin, for example, by an explosion, the pressure is effectively led away from the operator via 2 explosion fields and the light fixture located at the top of the fume cupboard cabinet.

Lighting

BASIC fume cupboard comes with dual fluorescent luminaire color 83, with 500 lux work light on the tabletop.



Security

Airflow technology

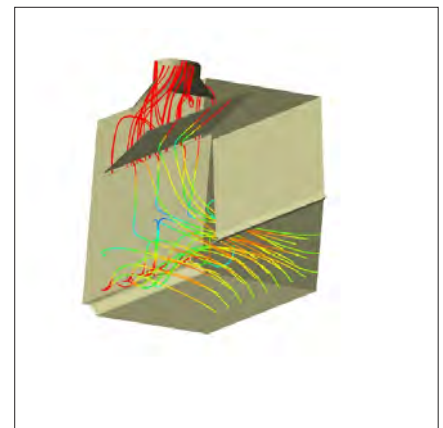
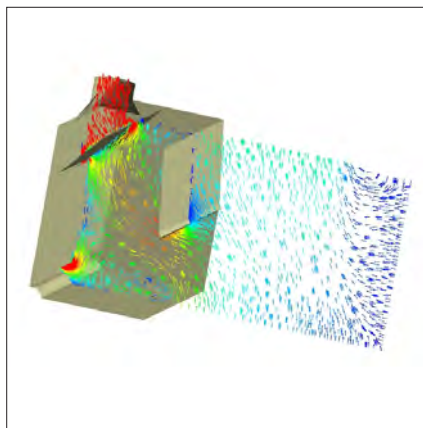
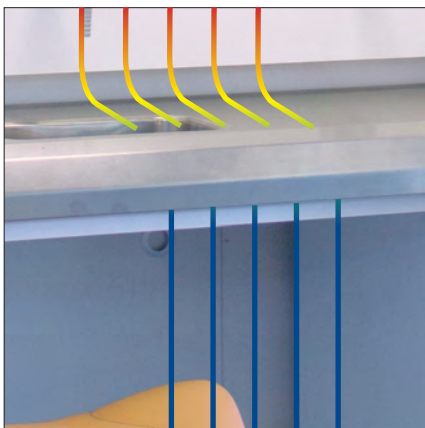
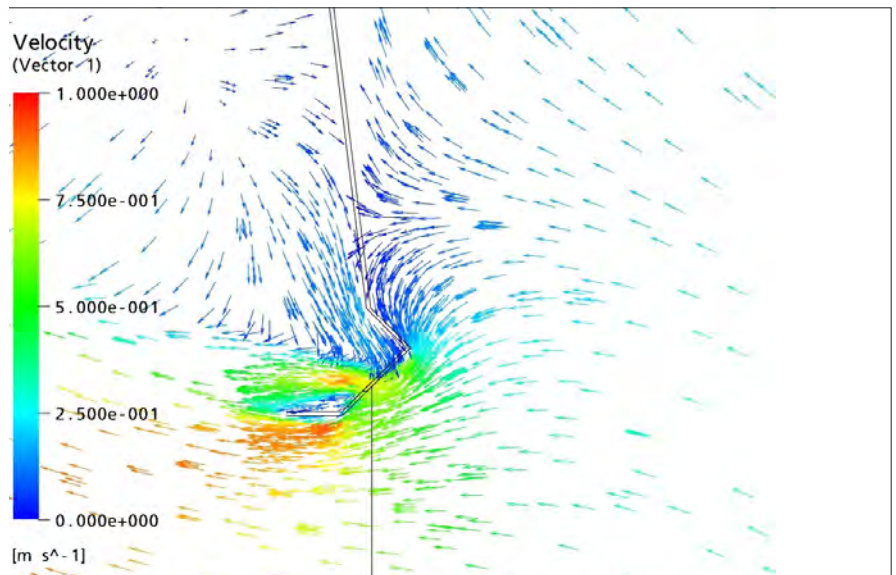
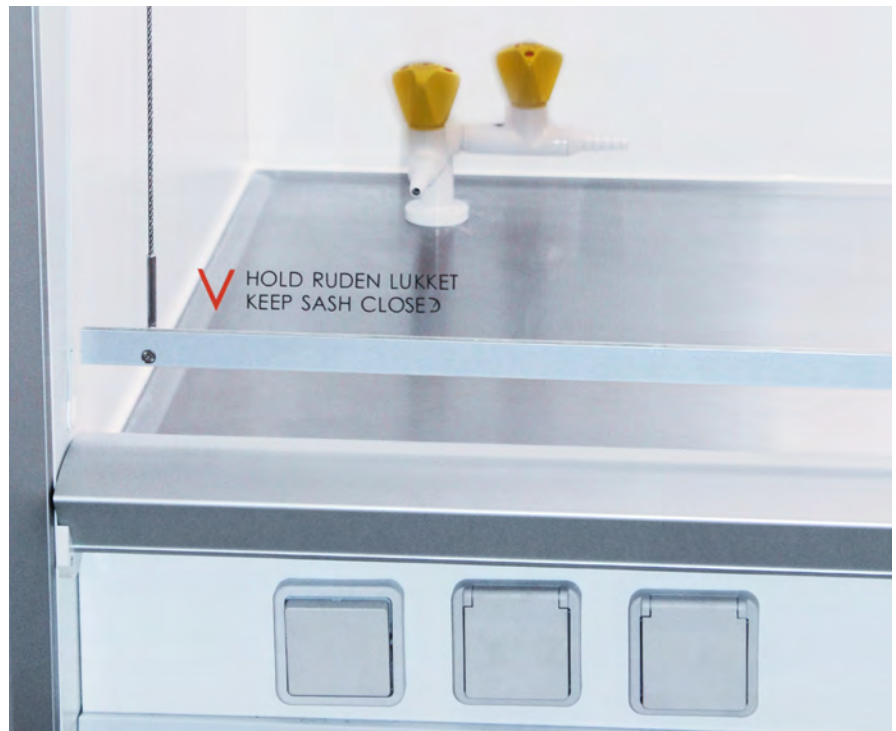
The security and protection of the user is the most important feature of the fume cupboard.

The operator is effectively protected from chemical vapors, gases, aerosols, carcinogens, and other harmful media.

The fume cupboard cabinet acts as a physical barrier between reactions in the fume cupboard and the laboratory and is designed to protect against chemical spillage, runaway reactions, fires, etc. Ventilation flow in the fume cupboard prevents the accumulation of potentially explosive materials or vapors in the cabin.

The sash is fitted with a protective rail, and on the front of the worktop, a table airfoil ensures a uniform flow across the work surface. This prevents unintentional air turbulence, which may result in increased emissions and harmful emissions from the work cabinet.

Also on the sides, the air is safely controlled through the work opening via the rounded aluminum lesenes and the proven design ensures that airflow is properly controlled and removes heavy gases, vapors, and other harmful substances from the cabin.



Ventilation

The Fume cupboard is connected via the stud on the top deck to the house ventilation system, either via a motorized damper connected to the main ventilation system or a separate frequency-controlled fan box.

According to EN / DS 14175, there is a requirement that the Fume cupboard is equipped with an alarm and control unit. The built-in ventilation control automatically ensures proper ventilation when the Fume cupboard is in operation.

The Fume cupboard works by maintaining a negative pressure in the fume cupboard cabinet to prevent any contaminant from escaping. The air passes into the Fume cupboard between the tabletop and the sash, and the air velocity is measured in meters per second (m/s).

An excessive air velocity in the fume cupboard cabin can result in heavy turbulence and thus a risk of spillage of harmful fumes.

An excessively low air velocity may also give rise to spillage. The correct

air velocity is therefore essential for a safe and economically efficient fume cupboard.

Recommended air velocity 0.5 m/s.

Trace gas tests

According to EN / DS 14175, there is a requirement that after installation and adjustment of ventilation and fume cupboard an on-site test is performed including a trace gas measurement. Read more about this in the "On-site test" prospect.

Energy savings

In order to save additional energy, these fume cupboards can be fitted with automatic sash windows, which further reduces the air velocity when the sash is closed.

Read more about this in the prospectus "Energy-saving lifting automation - GIS system".

Suction from chemicals

Chemicals must be stored properly and stored in a ventilated cabinet with

extraction. In the case of substances that are poisoned, the cabinet must also be locked.

Chemical cabinets must be equipped with constant extraction 24 hours a day and function independently of the fume cupboard process ventilation

- ♦ The chemical tall cabinet is connected at the top to an Ø100 mm flange stub.
- ♦ The chemical Underbench cabinets are connected to a Ø50 mm stub located on the top of the fume cupboard.



labmodul
GREENLINE BASIC

V HOLD RUDEN LUKKET
KEEP SASH CLOSED

UBi
ascos
EN 14470-1
90



Sustainability

The fume cupboard is made of resistant materials for professional use and is prepared for the installation of sockets for electrical and plumbing both inside and outside the fume cupboard cabinet.

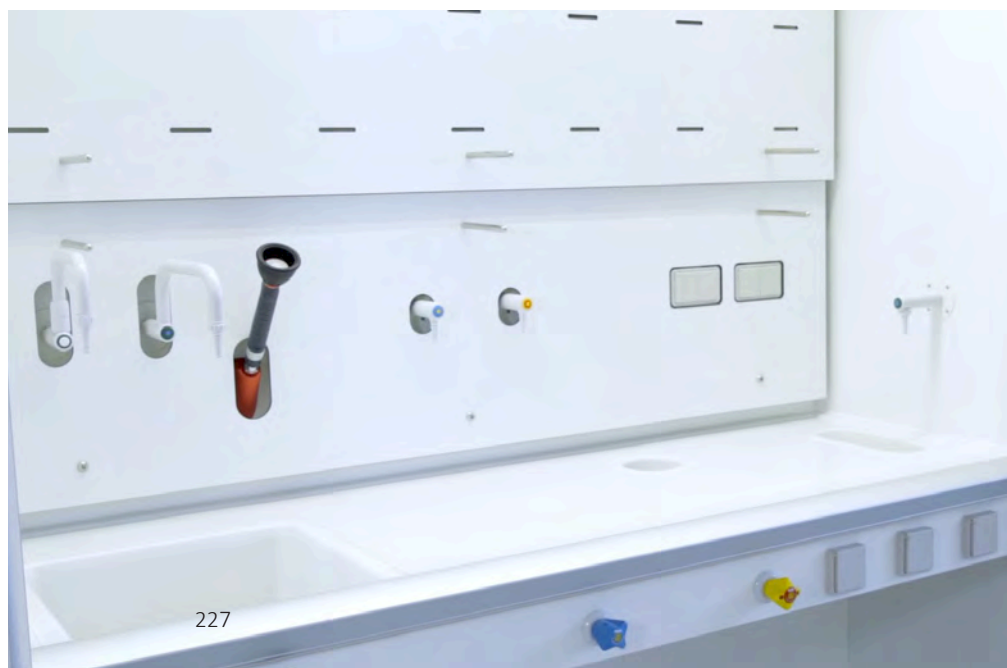
Greenline™ has been developed with a particular focus on sustainability and reducing CO₂ footprint.

Certified quality components are used by recognized Danish and European producers.

The material selection has been made to meet the requirements of Labmodul A / S for the use of products that are or may be used in a natural recycling cycle for both energy and environmental reasons.

Including a sample of typically used recycled materials in the production of the Greenline Pro fume cupboards.

- 🔥 Furniture plate based on recycled wood
- 🔥 Glass
- 🔥 Steel
- 🔥 Stainless steel
- 🔥 Aluminum
- 🔥 Copper / cables



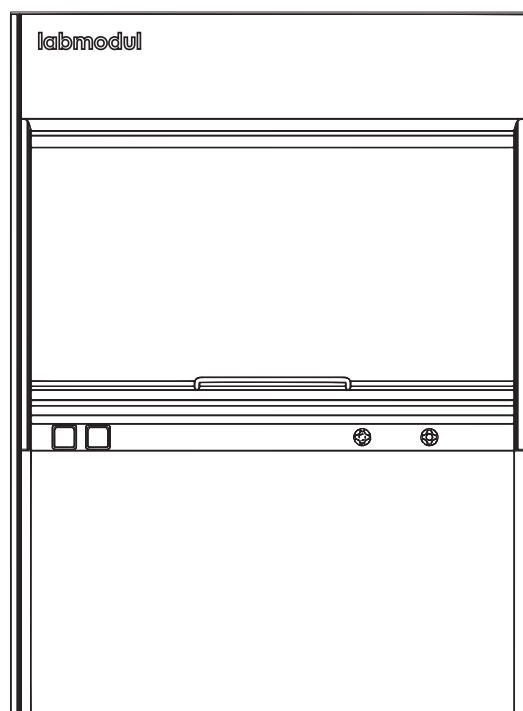
1. Fume cupboard cabin
2. Sash window
3. Worktop airfoil
4. Worktop
5. Slanted Cover
6. Working opening
7. Alarm and fume cupboard automatic box
8. Energy saving automatic sash system
9. Person detector for fume cupboard
10. Light



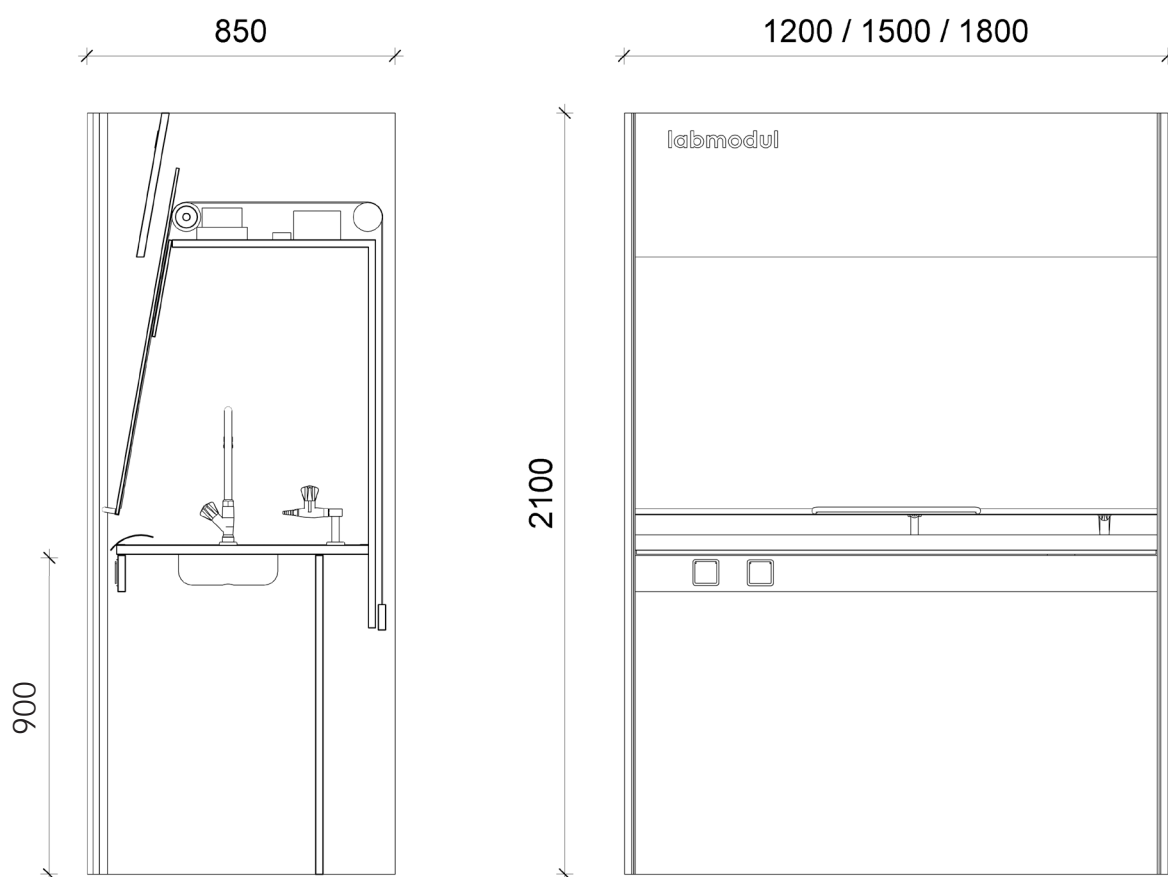
Accessories and ADD-ON's

The Greenline BASIC series can be configured with additional service and comfort features that increase functionality and create additional ergonomic benefits.

- ◆ Chemical and storage cabinet
- ◆ A wide range of table tops, drip cups and sinks
- ◆ VAV systems and alarms
- ◆ GIS, energy-efficient automation sash system



GREENLINE BASIC



Technical data

Model STB-SFA	Greenline Basic 120	Greenline Basic 150	Greenline Basic 180
Width outside (mm)	1200	1500	1800
Depth exterior (mm)	850		
Height exterior (mm)	2100		
Width inside cabin (mm)	1140	1440	1740
Depth countertops (mm)	680		
Height inside cabin (mm)	1025		
Max sash opening (mm)	700		
Connector for ventilation (mm)	Ø250	Ø250	Ø315
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240
Position from fume cupboard side to c-c (mm)	600	750	900
	Fixed bottom		



V HOLD RUDEN LUKKET
KEEP SASH CLOSED

F8

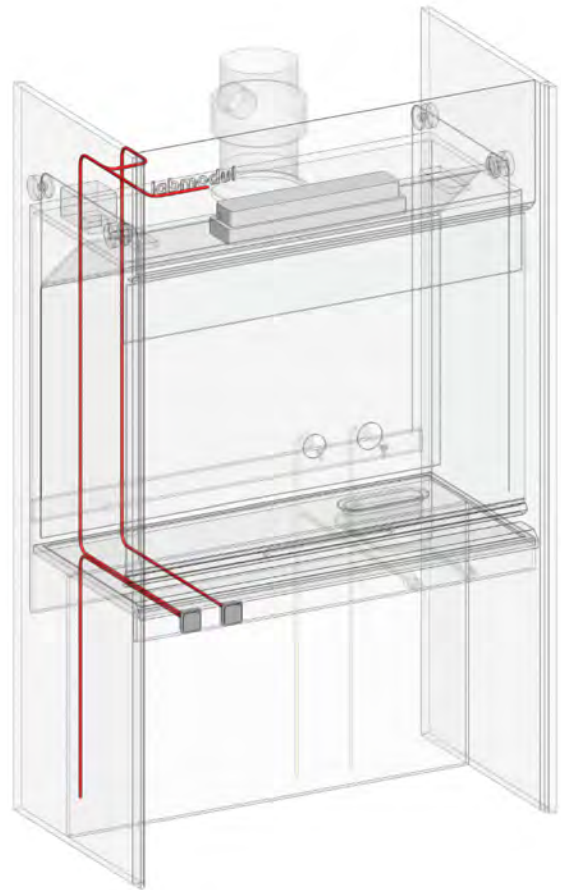
Electrical installations

Internal cable connections are made in 3-wire installation cable with 1-phase distribution. The installation is completed in a junction box located on top of the fume cupboard. From the assembly box, a cable length of 130 cm is completed with a CEE plug 16A.

Consumption on the stage up to 2200 watts.

The fume cupboard is supplied with all internal connections made in cable installation and in accordance with the Strong Power Order, Section 6, Electrical Installations.

In case of special fume cupboards that must meet ATEX requirements, this is carried out in accordance with the applicable regulatory requirements.



Plumbing installations

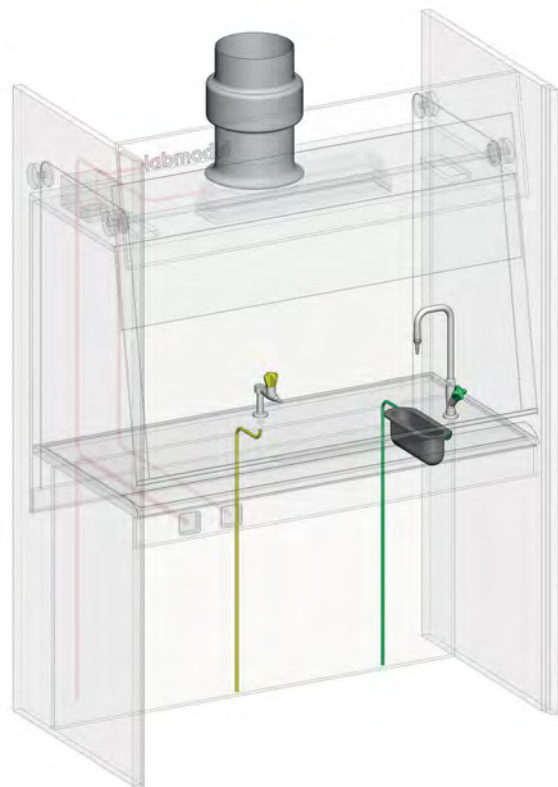
In general

Internal plumbing components are carried out in the BRIDGE UniFlex system. The system includes a wide range of fixtures and a unique concept of hoses for the conveyance and connection of plumbing installations.

The fume cupboard is supplied with coupling hose (plug'n play), that ends in a ½ "uniflex omliver, which also constitutes the contract price between "house "installations.

Fume cupboard with height adjusting function is performed with a flexible hose after water trap.



























Manufactured pressure test.





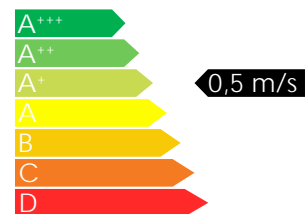


Media overview

-  01 - Water potable, cold (WPC)
-  02 - Water potable, hot (WPH)
-  03 - Distilled water (WDI)
-  07 - Water non-potable, cold (WNC)
-  08 - Water non-potable, hot (WNH)
-  10 - Natural gas (G)
-  12 - Liquefied petrol gas (LPG)
-  14 - Butane (C₄H₁₀)
-  16 - Propane (C₃H₈)
-  18 - Acetylene (C₂H₂)
-  20 - Hydrogen (H₂)
-  21 - Compressed air (CA)
-  22 - Oxygen (O₂)**
-  23 - Nitrogen (N₂)
-  24 - Carbon Dioxide (CO₂)
-  25 - Argon (Ar)
-  26 - Helium (He)
-  27 - Dinitrogen monoxide, nitrous oxide (N₂O)**
-  28 - Low vacuum - 100 kPa to 0,1 kPa (V)
-  29 - Fine vacuum - 0,1 kPa to 0,001 kPa (VF)
-  30 - High vacuum - 0,1 kPa to 0,0000001 kPa (VH)
-  35 - Tempered water (one handle mixer)
-  36 - Deionised water, cold (WDC)
-  39 - Water potable (WPC /WPH)
-  40 - Water non-potable (WNC /WNH)
-  46 - Methane (CH₄)

Air volume in m³/h at 0,5 m/s

Opening cm	10	15	20	25	30	35	40	45	50
Greenline Basic 120	200	300	400	500	600	700	800	900	1000
Greenline Basic 150	250	390	500	600	760	890	1015	1140	1270
Greenline Basic 180	300	480	600	760	920	1080	1230	1380	1540
Greenline Basic 240	400	600	800	1000	1200	1400	1600	1800	2000

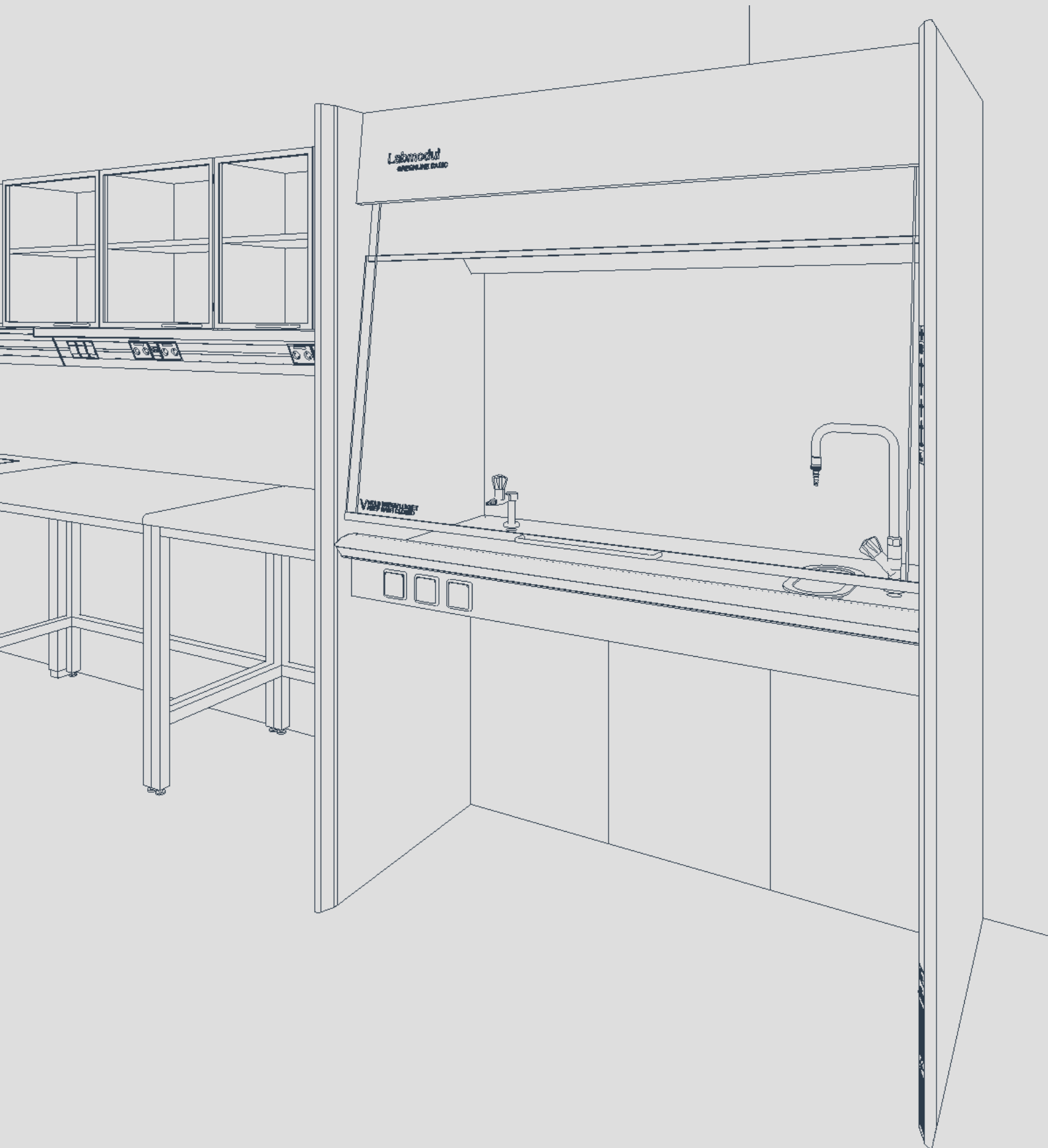


Ventilation connection

Model Basic	Greenline Basic 120	Greenline Basic 150	Greenline Basic 180
Outside width (mm)	1200	1500	1800
Connection pipe for ventilation (mm)	Ø250	Ø250	Ø315
Height from floor to OK stud (mm)	2385		

Internal / external hose types & connections

Labmodul					INTERNAL / EXTERNAL HOSE TYPE & CONNECTIONS	installation-related			
Media	Tube	Pressure	Collection	Dimension		Dimension	Collection	Valve	Zone
Domestic Water	Uniflex (SPX)	Max. 10 bar	G½''	G½''		G½''	Nippel	Shut-off valve	A
DEM water	PA	Max. 6 bar	G½''	G½''		G½''	Nippel	Shut-off valve	A
Technic gas	Uniflex (SPX)	Max. 16 bar	G½''	G½''		G½''	Nippel	Shut-off valve	A
Burning gas	Uniflex (SS)	Max. 132 bar	G½''	G½''		G½''	Nippel	Shut-off valve	A
Clean gas	Uniflex (PTFE)	Max. 21 bar	OD10/Ø10	OD10/Ø10		OD10/Ø10	Nippel	Shut-off valve	A
Strainer	PP	-		G1½''		G1½''			B



FUME CUPBOARDS GREENLINE PRO



GREENLINE FUME CUPBOARD PRO

- ┌ Highest safety
- ┌ Optimized for lower energy consumption
- ┌ Large glass area for maximum possible view
- ┌ High quality for daily use
- ┌ Designed for GMO facilities
- ┌ Ergonomics and comfort features
- ┌ EN / DS 14175-200:23



GREENLINE™ PRO

Efficient fume cupboard with maximum security, ergonomics and flexibility in a modern design. The construction of the fume cupboard adheres to the EN/DS 14175 fume cupboard safety standard and fore fill international demands for safety and performance with a special focus on user-friendliness.

Greenline™ series is prepared for a number of options that provide the fume cupboard with comfort, service and energy saving features. The fume cupboard is designed for flexibility in relation to future requirements, functions and ergonomics.

The fume cupboard can be added an electric height regulation function for an optimum working posture and for wheelchair users.

The fume cupboard is made of resistant materials for intensive professional use with a design made for installation of power, gasses, water etc. on the inside as well on the outside of the fume hood. The plumbing installations are placed in the front panel under the worktop for easy access.

Design

Aerodynamics in the chamber.

The fume cupboard compartment is the central part of an effective user protection. Safety is enhanced through a comprehensive analysis of the flow conditions inside the chamber using computational fluid dynamics computer models. These are optimized to ensure a smooth air flow both with and without equipment and setups inside the fume cupboard.

Flexibility

GREEN LINE PRO series is configurable and consists of a basic module which can be fitted exactly to the specific needs and performance requirements. The fume cupboard can easily be supplied with additional technical outlets or other functions for future needs.

Maximum possible view

In the definition of hood design, the ease of use and safety was the primary desire. Parameters such as a large glass area and easy access through the high sash window ensure that the operator achieves maximum overview and insight into the chamber of the fume cupboard and get a safe and easy access to setups and larger equipment.

Direct personal protection

The sash window is made of safety glass, which protects the user in case of accidents with a chemical splash, explosion or similar. The sash window is balanced by a counterweight placed on the backside of the fume cupboard which provides an easy operation. A double-wire system made of stainless steel, fixed with professional system brackets are connecting the two components.



Instant lock - fall protection

In the unlikely event that a breach occurs on a wire or a bracket - the sash window locks and is kept in position. The built-in safety mechanism locks both the sash window and counterweight to avoid injury.

Lighting

Pro fume cupboard comes with dual LED worklight lights on the top.

Pressure relief device

In case of sudden pressure in the cabin, for example, by an explosion, the pressure is effectively away from the operator through 2 explosion fields and the light unit located at the top of the fume cupboard.

Accessories

The PRO series is prepared for a range of assistive accessories for installation in the fume cupboard. For more information about monkey bars, shelves and holders, see our prospectus.



Safety

Airflow technology

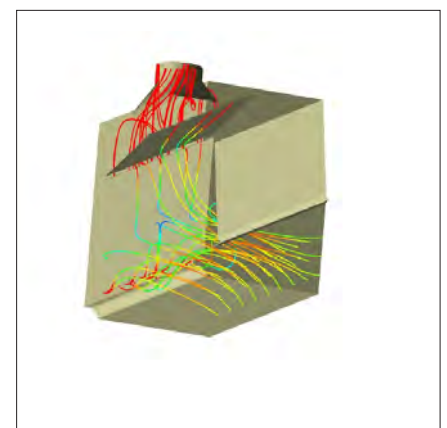
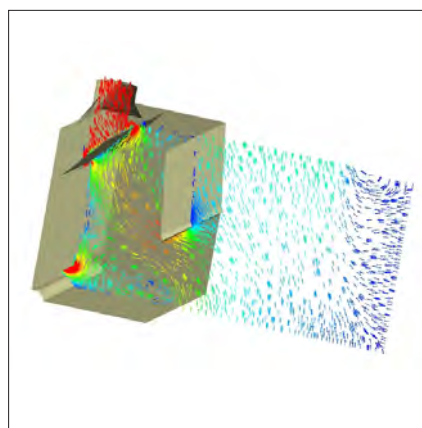
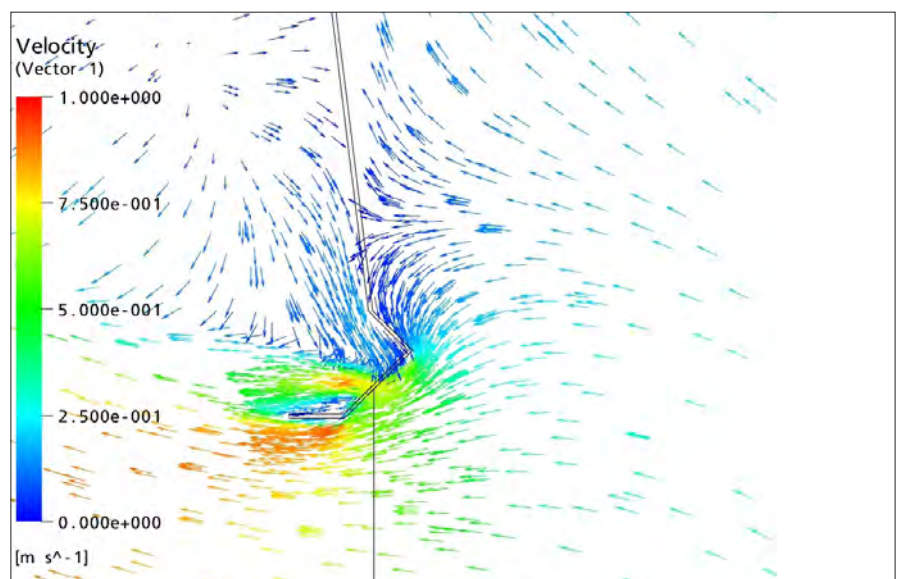
Security and protection of the user is the fume cupboard's main feature. High security and durability is an important element in our product development, therefore we use sophisticated CFD modeling to create the optimum airflow user protection in the working chamber.

The operator is effectively protected against chemical vapors, gases, aerosols, carcinogens and other hazardous materials.

The working chamber acts as a physical barrier between the reactions in the fume cupboard and the surroundings in the laboratory and is designed to protect against chemical spills, runaway reactions, fires etc. The air flow in the fume cupboard prevents the accumulation of potentially explosive atmosphere inside the chamber.

The sash window is fitted with a protective rail / Airflowrail™, and in front of the worktop is an airfoil that ensures a steady and controlled airflow over the work surface. This prevents accidental air turbulence, which can result in increased emissions and hazardous emissions from the working compartment.

The airflow is also safely controlled on both sides through the rounded aluminum profiles, and the well-proven design ensures that the jet streams are managed properly and removes heavy gases, vapors and other harmful substances inside the chamber.



Ventilation

The fume cupboard is connected to the ventilation system in the room via the connection on the top deck, either via a motorized damper connected to the main ventilation system or a separate frequency controlled ventilator box.

In accordance with EN / DS 14175, the fume cupboards must be equipped with an alarm and control unit. The fan and the control unit ensures automatically a proper ventilation for the fume cupboard during operation.

The fume cupboard is working by creating a negative pressure inside the work chamber that prevents any contaminant from escaping. The air passes into the fume cupboard between the worktop and the sash window, and there are requirements for the air velocity measured in meters per second (m/s).

If the air velocity is too high in the chamber, it might cause a severe

turbulence and a risk of harmful fumes escaping to the outside of the fume cupboard. An excessively low air velocity can likewise cause harmful fumes escaping. The correct airspeed is essential for a safe and economically efficient fume cupboard.

In general, it is recommended that the air velocity is between 0.3 and 0.5 m/s. However, it is important to check with the local safety regulations before the fume cupboard is in service.

Low energy fume hoods are designed and tested to run with minimal air speed during use.

Energy savings

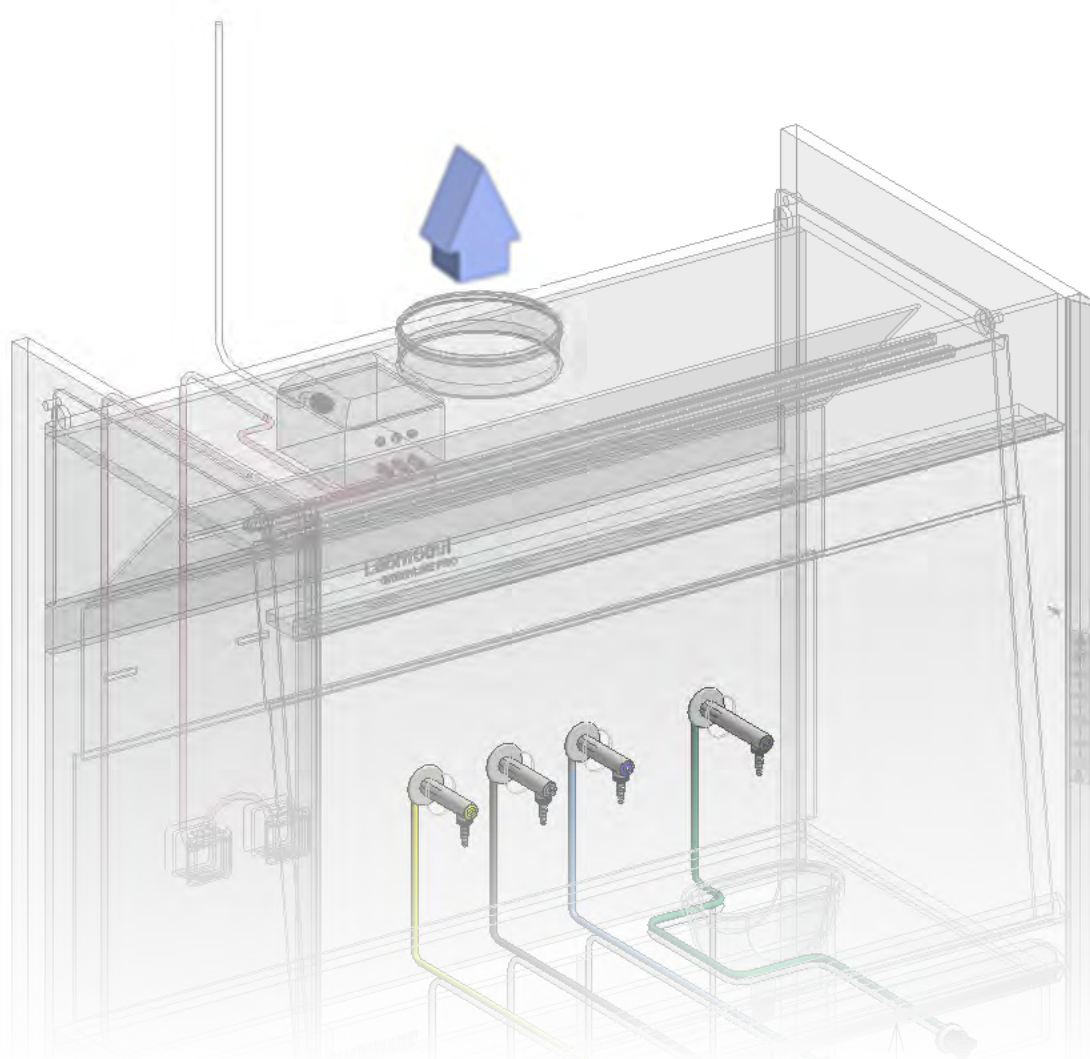
To save more energy, these fume cupboards can be equipped with a sash automation that lowers the sash when there has been no activity in the chamber in a specified time. The sash window automatically closes and the air velocity is lowered to the standby mode.

Suction from chemical cabinets

Chemicals should be stored properly and thus kept in a ventilated cupboard, substances that are marked as toxic requires also that the cabinet must be locked.

Chemical cabinets shall be constantly ventilated 24 hours a day and connected independently of the fume cupboard exhaust system.

- ♦ Chemical tall Cabinets are connected on top to a 100 mm pipe.
- ♦ Chemical base cabinets are connected on a 50 mm pipe placed on top of the fume cupboard







Sustainability

The fume cupboard is made of resistant materials for professional use and is prepared for the installation of sockets for electrical and plumbing both inside and outside the fume cupboard cabinet.

Greenline™ has been developed with a particular focus on sustainability and reducing CO₂ consumption.

Certified quality components are used by recognized Danish and European producers.

The material selection has been made to meet the requirements of Labmodul A / S for the use of products that are or may be used in a natural recycling cycle for both energy and environmental reasons.

Including a sample of typically used recycled materials in the production of the Greenline Pro fume cupboards.

- ◆ Construction material based on recycled wood.
- ◆ Glass
- ◆ Steel
- ◆ Stainless steel
- ◆ Aluminum
- ◆ Copper / cables







Energy-saving automatic sash window for fume cupboards

Function Description

The main task of the system is to ensure that the fume cupboards sash is closed when the fume cupboard is not in use. A PIR sensor detects whether there is a person in front of the fume cupboard. If the operator leaves the fume cupboard, the automatic sash window will shut down automatically after 10 minutes (custom). It has been strongly emphasized that safety at the closure is as high as possible.

The sash does not close at any time when there is an operator in front of the fume cupboard. During the shutdown of the sash window, the collision check of the system monitors that misplaced objects are not exposed to excessive mechanical impact. However, any operation of the system must always comply with basic requirements for safe conduct in laboratories.

The GIS technology can be mounted on new fume hoods as well as retrofitted to existing fume cupboards. Installation of the sash control system will improve the energy economy while increasing the safety of the work in the fume cupboard.

GIS•3

GIS•3 is specially designed to meet future requirements for fume cupboards. The flexibility of system structure means that GIS3 can be continuously adapted to new future requirements for fume cupboards management.

GIS3 energy-saving automatic sash shuts down the sash window when there has been no activity in front of the fume cupboard for a defined period. The system also has built-in comfort and safety features:

- ◆ Soft close / open of sash window for manual use
- ◆ Built-in lock for MAX. safe sash opening.
- ◆ Easy programmable around time management
- ◆ Acoustic alarm when the sash is automatically closed
- ◆ Prepared for "Handsfree" operation with foot control panel
- ◆ Prepared for connection of overflow alarm to waste bin etc.

GIS•4

GIS•4 is specially designed to meet future requirements for fume cupboards. The flexibility of system structure means that GIS4 can be continuously adapted to new future requirements for fume cupboards management.

GIS4 energy-saving automatic sash shuts down the sash window when there has been no activity in front of the fume cupboard for a defined period. The system also has built-in comfort and safety features:

- ◆ Automatic sash control operation via keypad, stepless from closed to maximum safe working opening and button for the full maximum opening.
- ◆ Soft close / open of sash window for manual use
- ◆ Built-in lock for MAX. safe sash opening.
- ◆ Easy programmable around time management
- ◆ Acoustic alarm when the sash is automatically closed
- ◆ Prepared for "Handsfree" operation with foot control panel
- ◆ Prepared for connection of overflow alarm to waste bin etc.

Handsfree - foot controller, for easy operation of the sash window



GIS4 keypad for easy operation of the sash window



Fume Cupboard components

1. Fume cupboard cabin

The visible part of the chamber enclosing hazardous gases and vapors.

2 Backplate for suction

The demountable plates used to create suction along the back and side of the chamber. The back panels also ensure that the suction becomes uniform across the opening of the sash window and that the polluted air is efficiently removed to prevent emissions.

3. Sash window

The balanced sash window is opened vertically and is equipped with a combined glass airfoil and control lever. Never use a larger opening than necessary as the sash safety glass is also used as operator protection in case of sudden splashes or explosions in the fume cupboard.

4. Tabletop airfoil

The table top airfoil is located along the front edge of the work surface and controls the airflow into the chamber. The rail is designed to effectively prevent turbulent eddies, which may carry vapors out of the fume cupboard. The underside of the rail is open so air can flow freely into the chamber, even when the operator leans against the tabletop when operating the fume cupboard.

The opening can also be used to lead wires and hoses out of the chamber. Both the sash- and tabletop airfoil are designed so the operator is effectively protected in case of fluids and other items should escape from the chamber by accident.

5. Tabletop

The workspace is defined by the worktop. When a larger apparatus or other large items are placed in the chamber, they can create turbulence. Therefore they shall be placed on a stand, lifting the item 3-5 cm above the worktop in order to ensure that the air can pass around and under the equipment.

6. Slanted cover

The slanted cover distributes air streams evenly over suction plates. Materials such as paper napkins or other light materials can be pulled into the chamber and cause inappropriate turbulences or poor airflow if sucked into the inclined chamber or other ventilation components. It is recommended that a mesh is installed that ensures that items remain in the fume cupboard.

7. Working opening

The work opening in the field between the table top and the sash window. The fume cupboard cabinet air velocity is measured across this opening. The maximum working opening in a fume cupboard is up to 50 cm opening, there is a need for a greater openness in connection with cleaning, settings or similar presses for full sash opening with the lock signature. The sash is then automatically opened for full opening.

8. Alarm and automatic fume cupboard system (option)

If the fume cupboard ventilation cannot maintain the desired air velocity in the door opening, an alarm is given by the lamp indication and an acoustic alarm on the control panel. The alarm is triggered automatically when the sash is raised above the maximum work opening of 50 cm. The alarm is set on the control panel by pressing the alarm button. It is possible to set both alarm time offsets and alarm limits in the fume cupboard automation box.

The system is prepared for external interruption of the acoustic alarm signal, possibly by the planned stop of the associated ventilation system. In addition to interrupting the acoustic alarm, the fume cupboard/frequency controlled engine is also closed.

If the forced operation has been activated via the control panel for more than the programmed time factor (usually 40 minutes), the automatics will switch back to normal operation if no activity has been detected in front of the fume cupboard. The individual time intervals can be set from 5 to 60 minutes as desired.

The system maintains a constant air velocity at the work opening, regardless of the sash height and pressure variations in a suction duct, the above cabinets are connected, the air velocity in the work opening is adjustable. When there is no operator in front of the fume cupboard, the air velocity of the hatch opening is automatically reset from the normal operating air velocity of approx. 0.5 m / s.

9. Energy-saving automatic sash system (option)

The main task of the system is to ensure that the sash is closed when the fume cupboard is not in use. A PIR sensor detects if there is a person in front of the fume cupboard. If the operator leaves the fume cupboard, the automatic sash system will shut down the sash after an optional time interval, typically 5 minutes. It has been strongly

emphasized that the safety of closing is as high as possible. During the shutdown of the sash, the system's collision control monitors that misplaced objects are not exposed to major mechanical impact. However, any operation of the system must always comply with basic requirements for safe conduct in laboratories.

The automatic sash system deactivation closes the sash if there has been no activity in front of the fume hood for more than 5 minutes and continuously detects whether there are items in the sash lane opening way. If there is an object in the sash opening, the sash will stop during contact with the object and drive 20 mm up again. The lock-down of the sash does not continue until the object is removed and the sash is again released via the START / STOP button on the control panel or manually driven to the closing position.

10. Pressure detector for fume cupboards (option)

The fume cupboard service system is fitted with a cleaning-friendly PIR sensor that detects the activity in front of the fume cupboard. When an operator approaches the cabinet, the air velocity is automatically changed to the operating airflow normal operation. It is possible to set the operating and economy air velocity and set the time switch between the two operating modes. The PIR sensor covers an area of up to 1.8 meters above the floor and an area of 0.5 meters from the sides of the fume cupboard.

11. Height adjustment of the tabletop height

The fume cupboard is designed so that the working height can be freely height controlled via the built-in actuators to the desired working height between 75 and 115 cm above the floor.

The tabletop can, in addition to the special weight of the fume cupboard, lift up to 157 kg. Control buttons for the electric height adjustment are located under the tabletop. The fume cupboard is designed according to accessibility requirements, so operators in the seated position, including wheelchair users, can safely and comfortably use all functions. The system can be upgraded with a keyboard with predefined heights that are convenient in facilities where multiple users use the same fume cupboard.

12. Service plug (option)

An RJ45 service plug can be placed easily accessible on the front of the fume cupboard. The service plug provides access to the parameters of the fume cupboard automatic regulator and other components that can be viewed and configured via a laptop.

All operating data of the fume cupboard can be read by the standard communication bus and covers operating data, including the number of active operation hours, the load capacity, the air gap, the current air velocity, the position of the regulator damper (both supply and exhaust) alarms that can be logged and read by the CTS system as required.

13. Light

Switching the light on in the fume cupboard is done by pressing the control panel light button or on the separate light switch mounted in the fume cupboards frame.

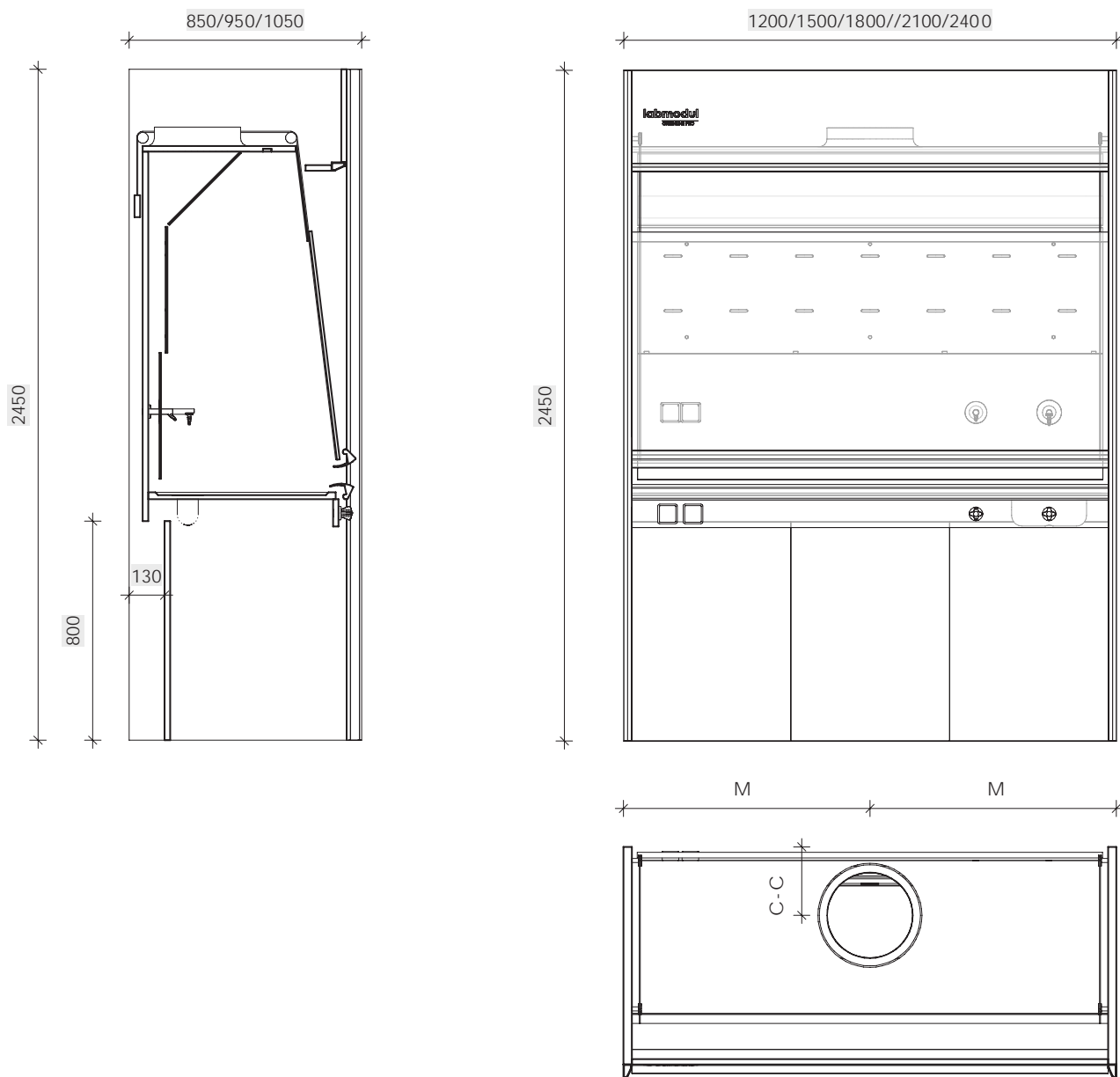
1. Fume cupboard cabin
2. Backplate for suction
3. Sash window
4. Tabletop airfoil
5. Tabletop
6. Slanted Cover
7. Working opening
8. Alarm and fume cupboard automatic box
9. Energy saving automatic sash system
10. Pressure detector for fume cupboard
11. Height adjustment of the tabletop height
12. Service plug (option)
13. Light



Fume cupboard with fixed table height



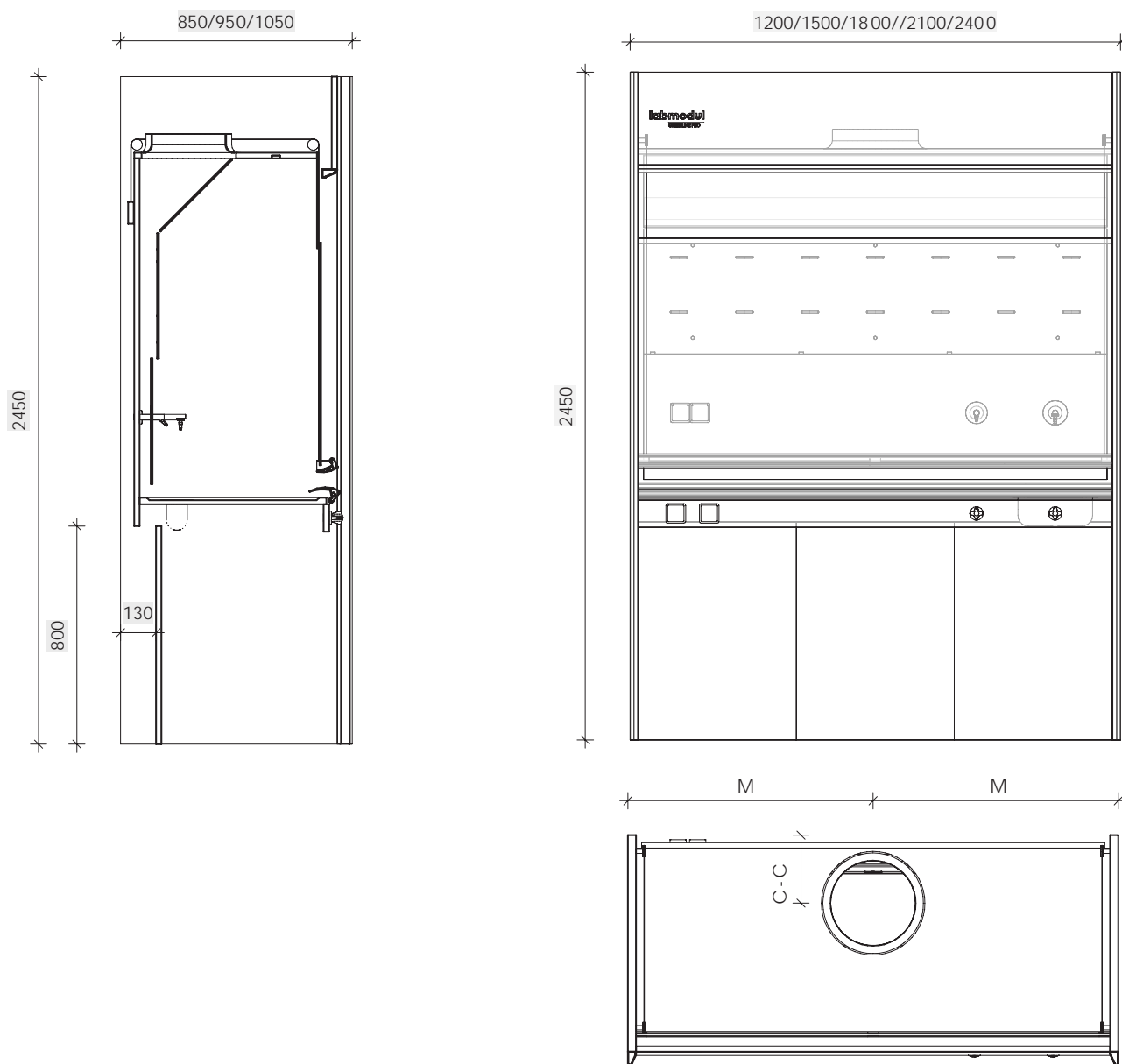
GREENLINE PRO - HEIGHT 2450 mm, SLANTED SASH WINDOW



Technical data

Model STP-SFA	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Width outside (mm)	1200	1500	1800	2100	2400
Depth exterior (mm)	850 / 950 / 1050				
Height exterior (mm)	2450				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1250				
Max Lift pane opening (mm)	850				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	600	750	900	465/ 465	615/ 615
Height adjustable movement (mm)	Non-height-adjustable				

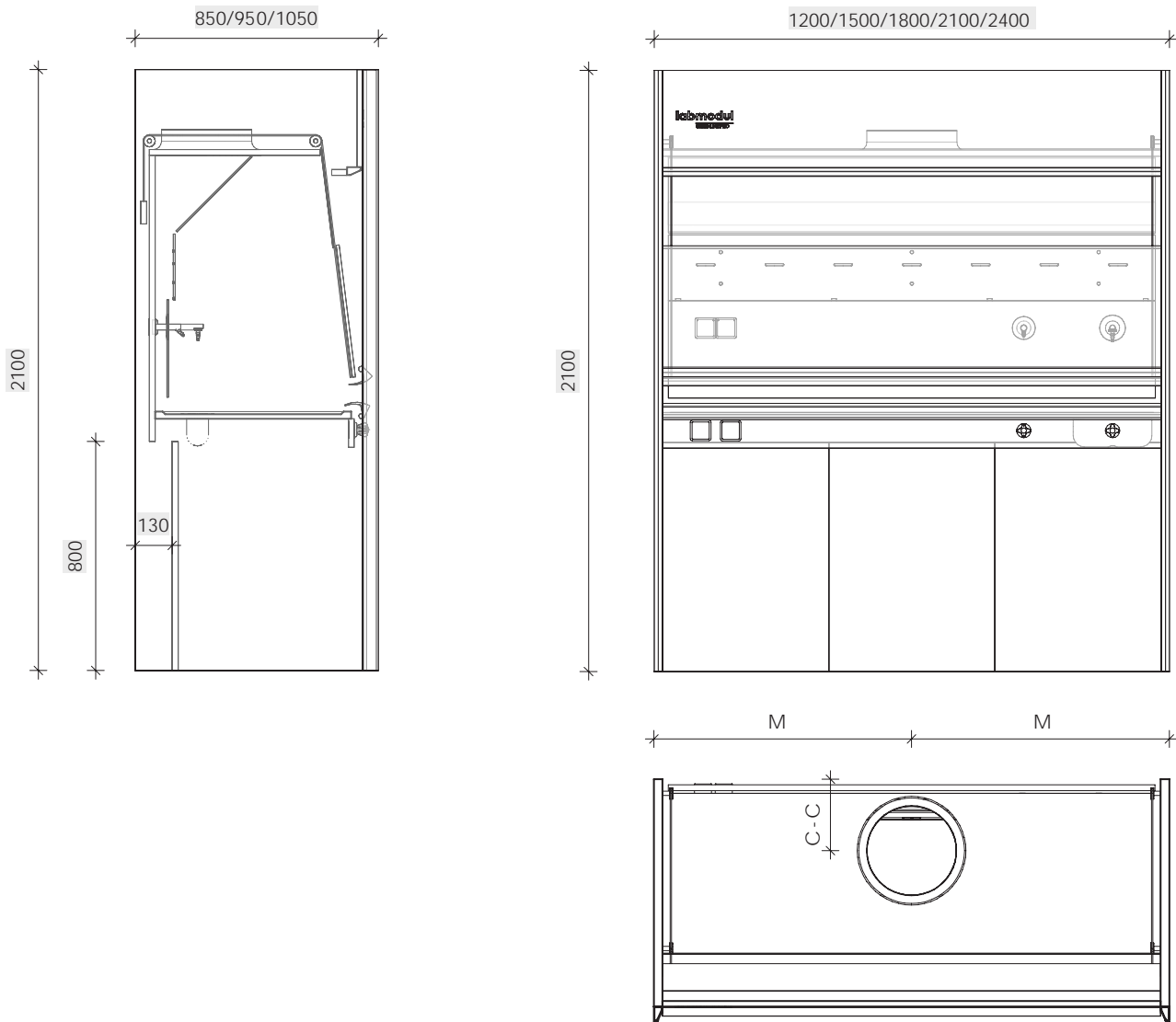
GREENLINE PRO - HEIGHT 2450 mm, VERTICAL SASH WINDOW



Technical data

Model STP-LFA	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Width outside (mm)	1200	1500	1800	2100	2400
Depth exterior (mm)	850 / 950 / 1050				
Height exterior (mm)	2450				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1250				
Max Lift pane opening (mm)	850				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	207.5	207.5
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	600	750	900	465/ 465	615/ 615
Height adjustable movement (mm)	Non-height-adjustable				

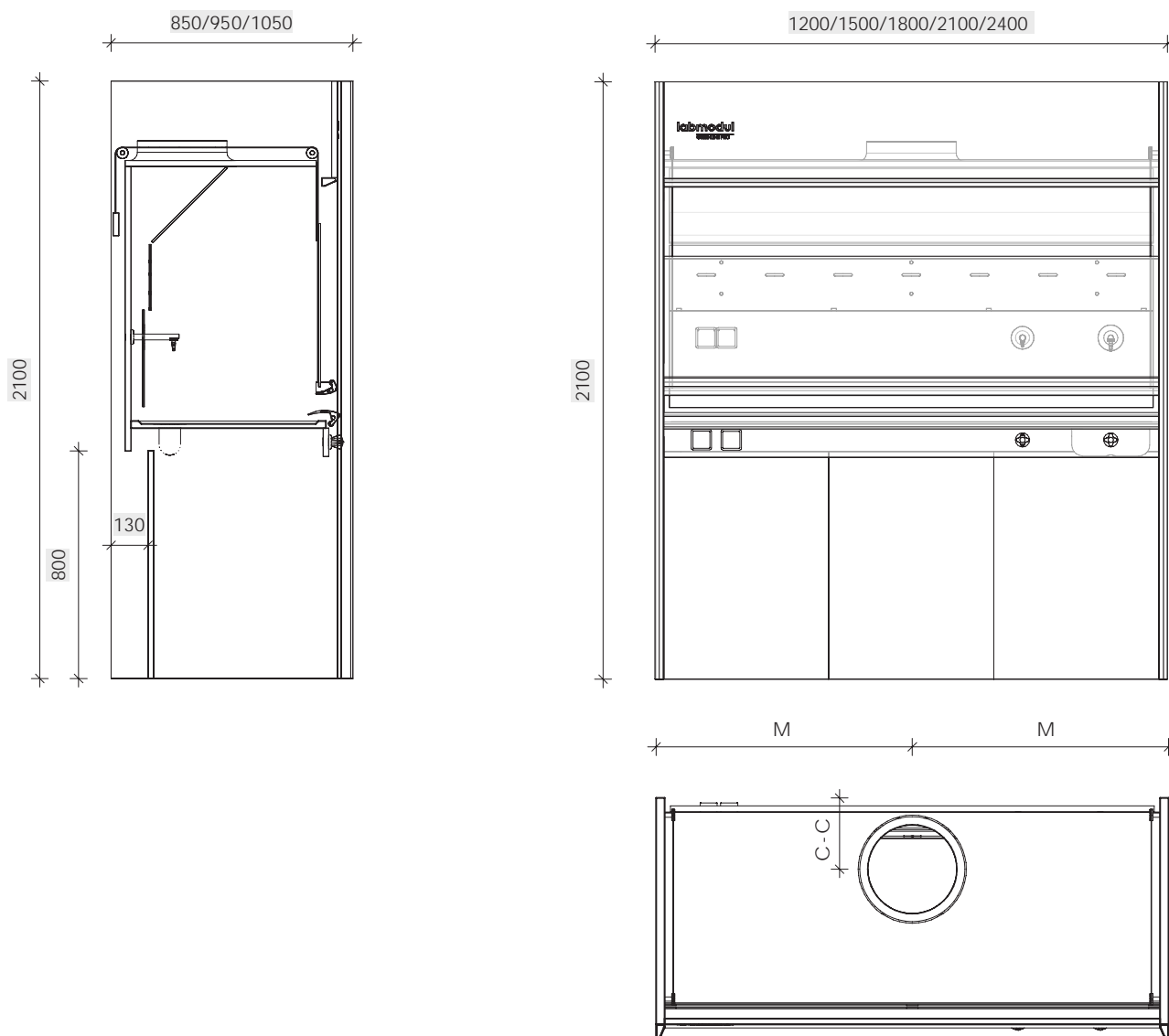
GREENLINE PRO - HEIGHT 2100 mm, SLANTED SASH WINDOW



Technical data

Model STP-SFA	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Width outside (mm)	1200	1500	1800	2100	2400
Depth exterior (mm)	850 / 950 / 1050				
Height exterior (mm)	2100				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1025				
Max Lift pane opening (mm)	700				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	600	750	900	465/ 465	615/ 615
Height adjustable movement (mm)	Non-height-adjustable				

GREENLINE PRO - HEIGHT 2100 mm, VERTICAL SASH WINDOW



Technical data

Model STP-LFA	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Width outside (mm)	1200	1500	1800	2100	2400
Depth exterior (mm)	850 / 950 / 1050				
Height exterior (mm)	2100				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1025				
Max Lift pane opening (mm)	700				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	600	750	900	465/ 465	615/ 615
Height adjustable movement (mm)	Non-height-adjustable				

Installations for for fume cupboard with fixed bottom part

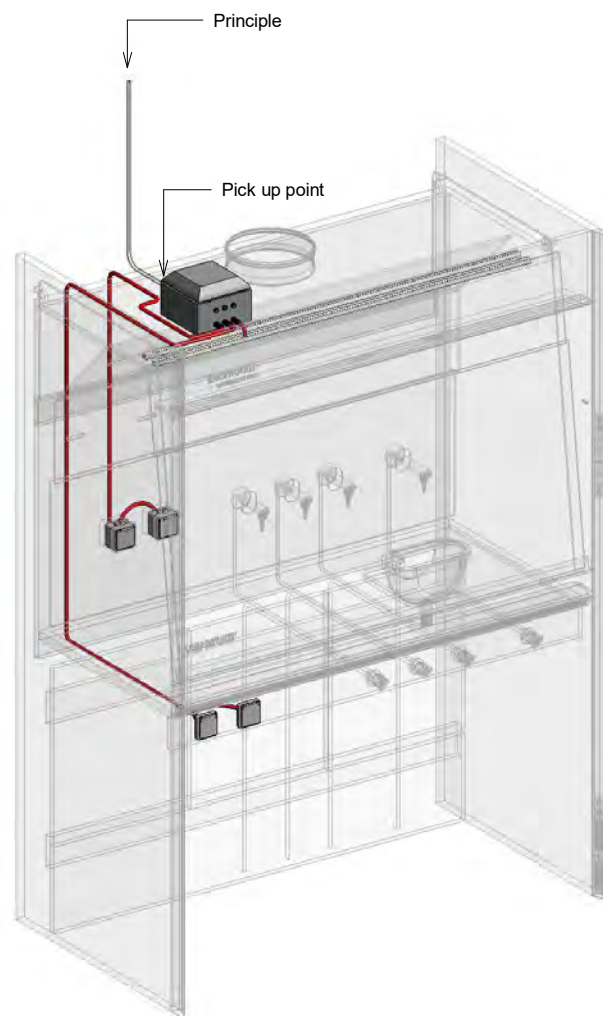
Electrical installations

Internal cable connections are made in 3-wire installation cable with 1-phase distribution. The installation is completed in a junction box located on top of the fume cupboard. From the junction box, a cable length of 130 cm is completed with a CEE plug 16A.

Consumption on the stage up to 2200 watts.

The fume cupboard is supplied with all internal connections made in cable installation and in accordance with the Strong Power Order, Section 6, Electrical Installations.

In case of special fume cupboard that must meet ATEX requirements, this is carried out in accordance with the applicable regulatory requirements.



Plumbing installations

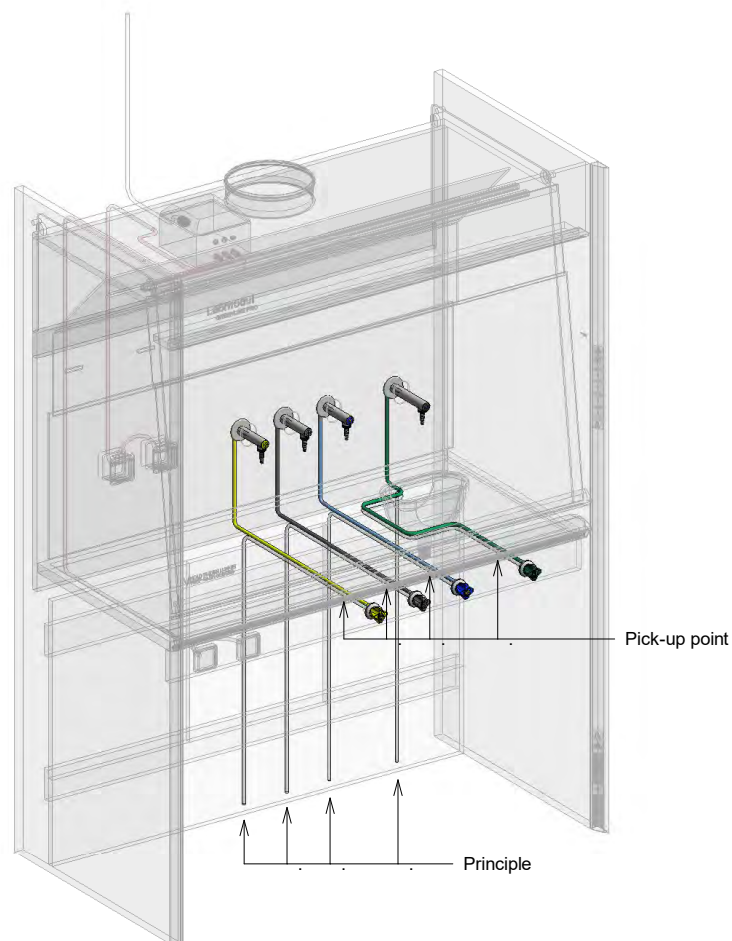
In general

Internal plumbing components are carried out in the BROEN UniFlex system. The system includes a wide range of fixtures and a unique concept of pipes for the connection and connection of plumbing installations.

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Fume cupboards with height adjustable function are performed with flexible pipes after water trap.

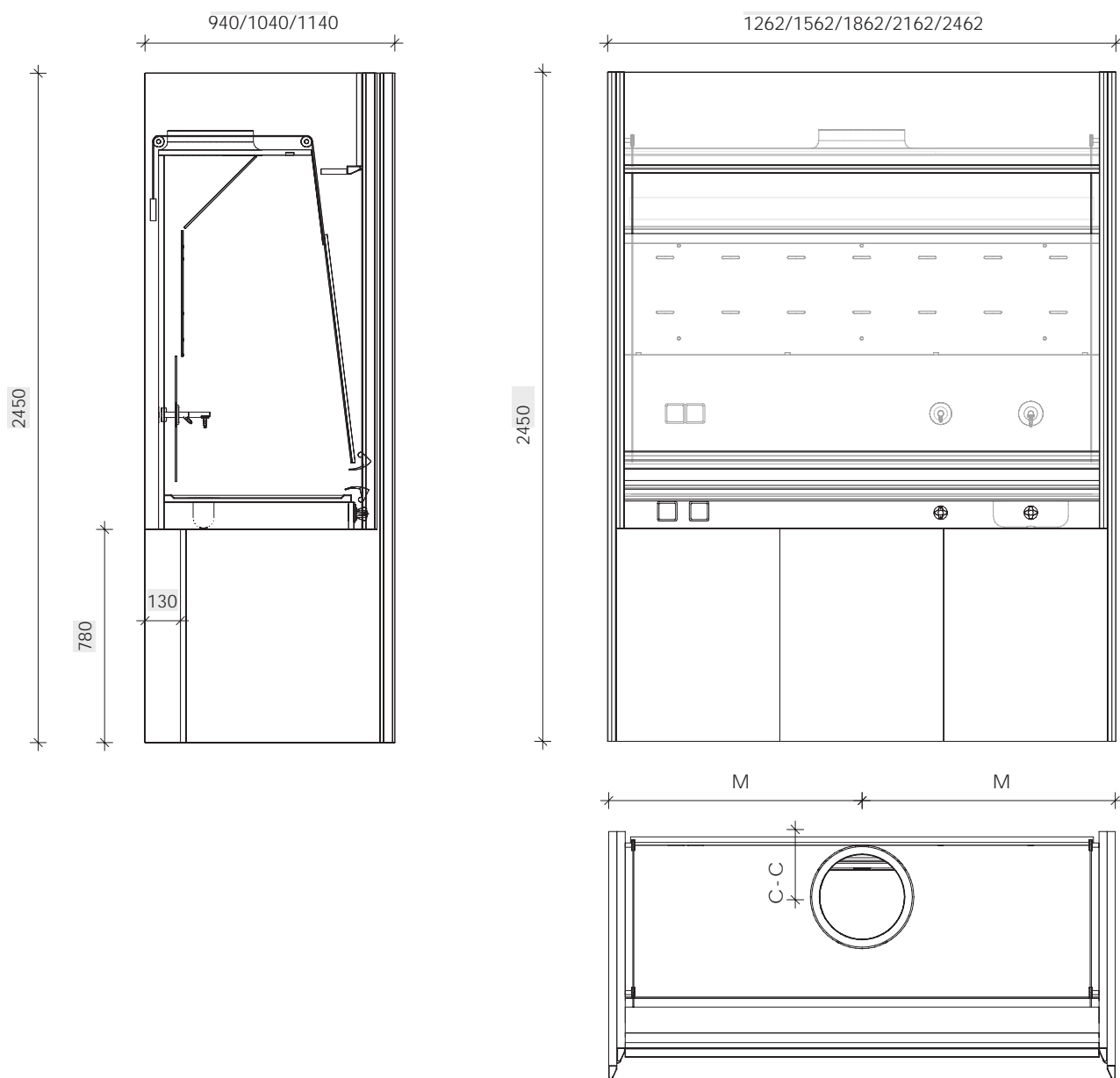
Pressure tested from the factory.



Fume cupboard with electrical height- adjustment



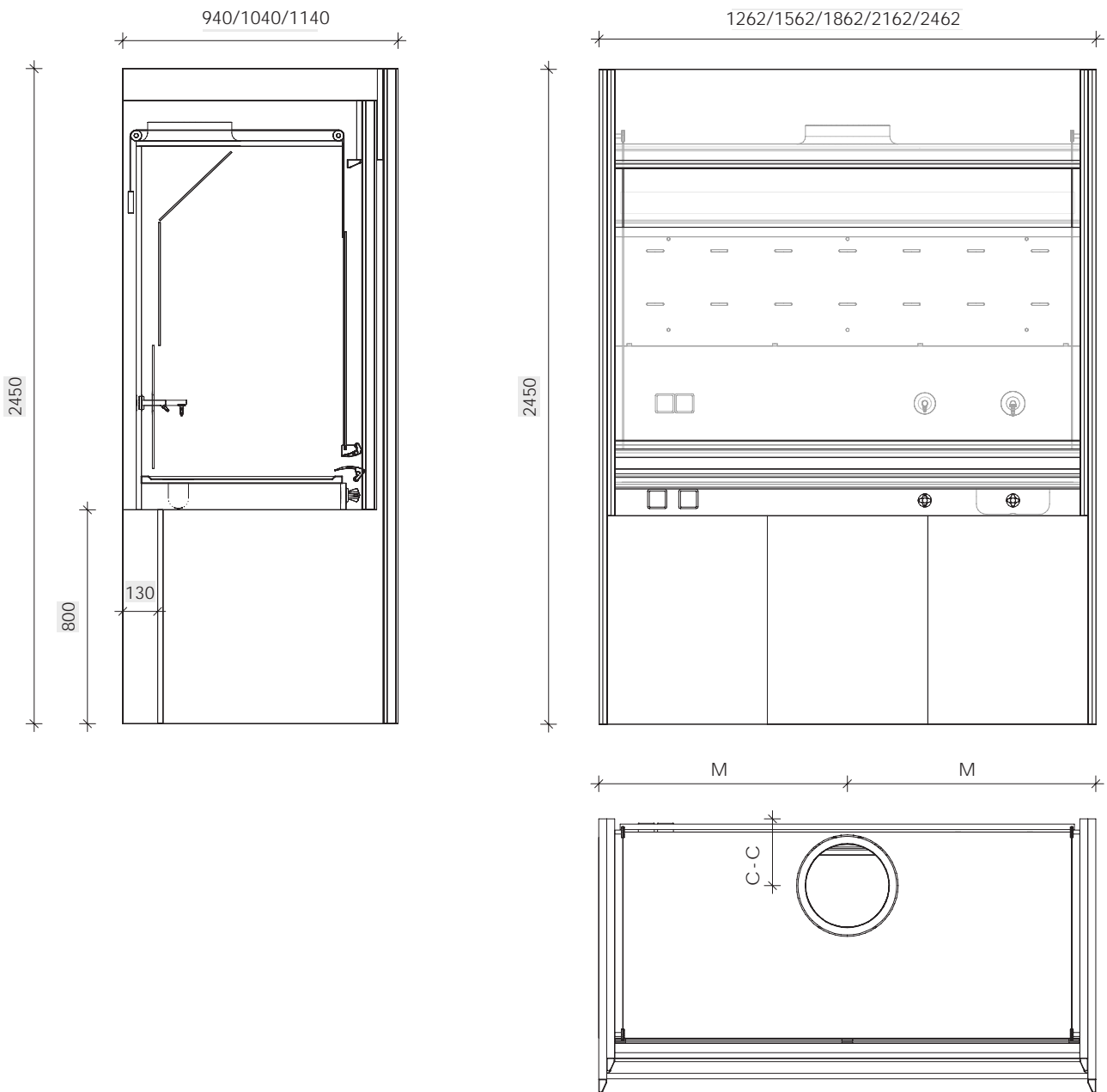
GREENLINE PRO - HEIGHT 2450 mm, SLANTED SASH WINDOW, ELECTRIC HEIGHT ADJUSTABLE



Technical data

Model	Greenline Pro 1262	Greenline Pro 1562	Greenline Pro 1862	Greenline Pro 2162	Greenline Pro 2462
Width outside (mm)	1262	1562	1862	2162	2462
Depth exterior (mm)	940 / 1040 / 1140				
Height exterior (mm)	2450				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1250				
Max Lift pane opening (mm)	850				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	633	783	933	498/498	648/648
Height adjustable movement (mm)	700 - 1000				

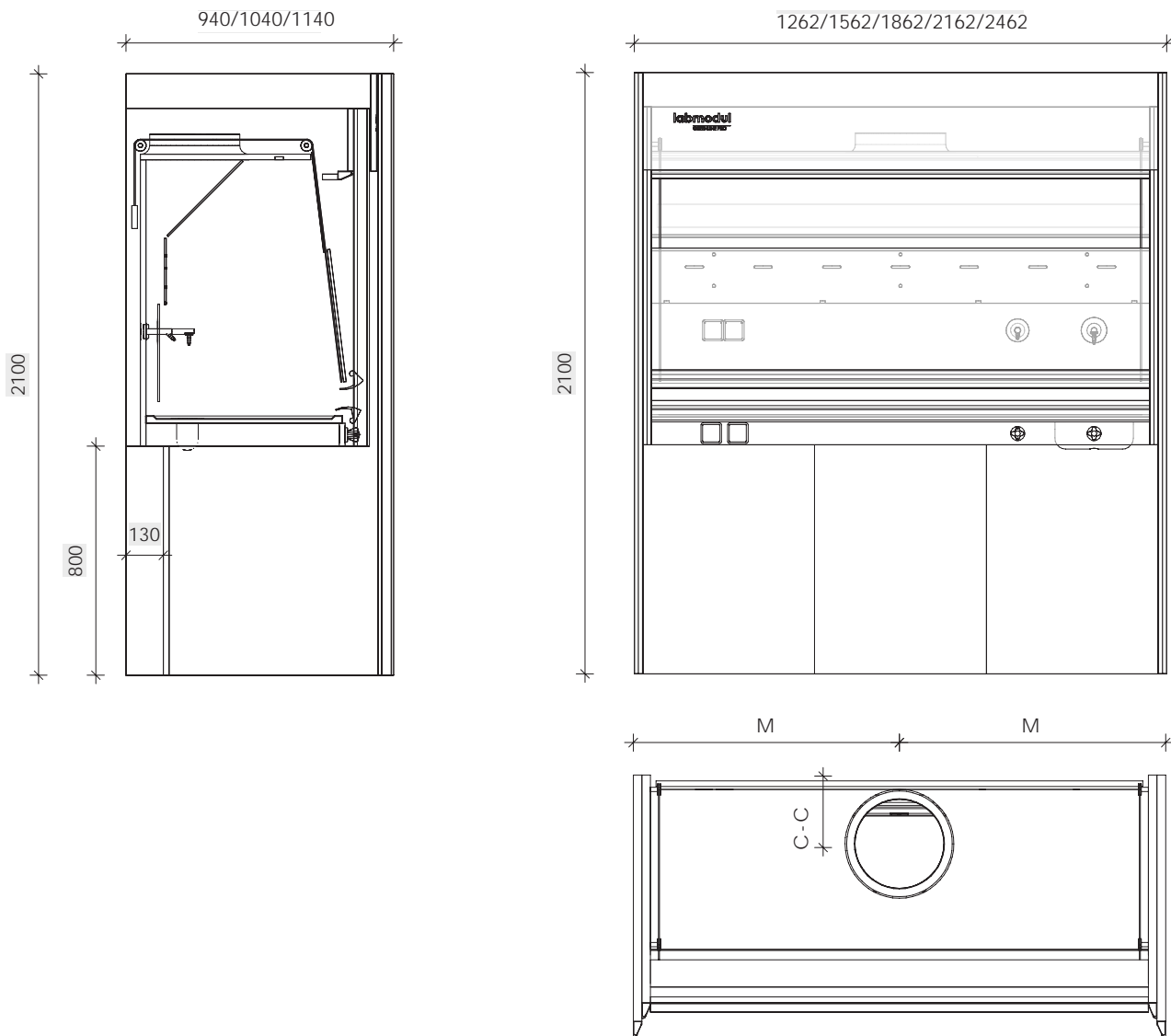
GREENLINE PRO - HEIGHT 2450 mm, VERTICAL SASH WINDOW, ELECTRIC HEIGHT ADJUSTABLE



Technical data

Model	Greenline Pro 1262	Greenline Pro 1562	Greenline Pro 1862	Greenline Pro 2162	Greenline Pro 2462
Width outside (mm)	1262	1562	1862	2162	2462
Depth exterior (mm)	940 / 1040 / 1140				
Height exterior (mm)	2450				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1250				
Max Lift pane opening (mm)	850				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	633	783	933	498/498	648/648
Height adjustable movement (mm)	700 - 1000				

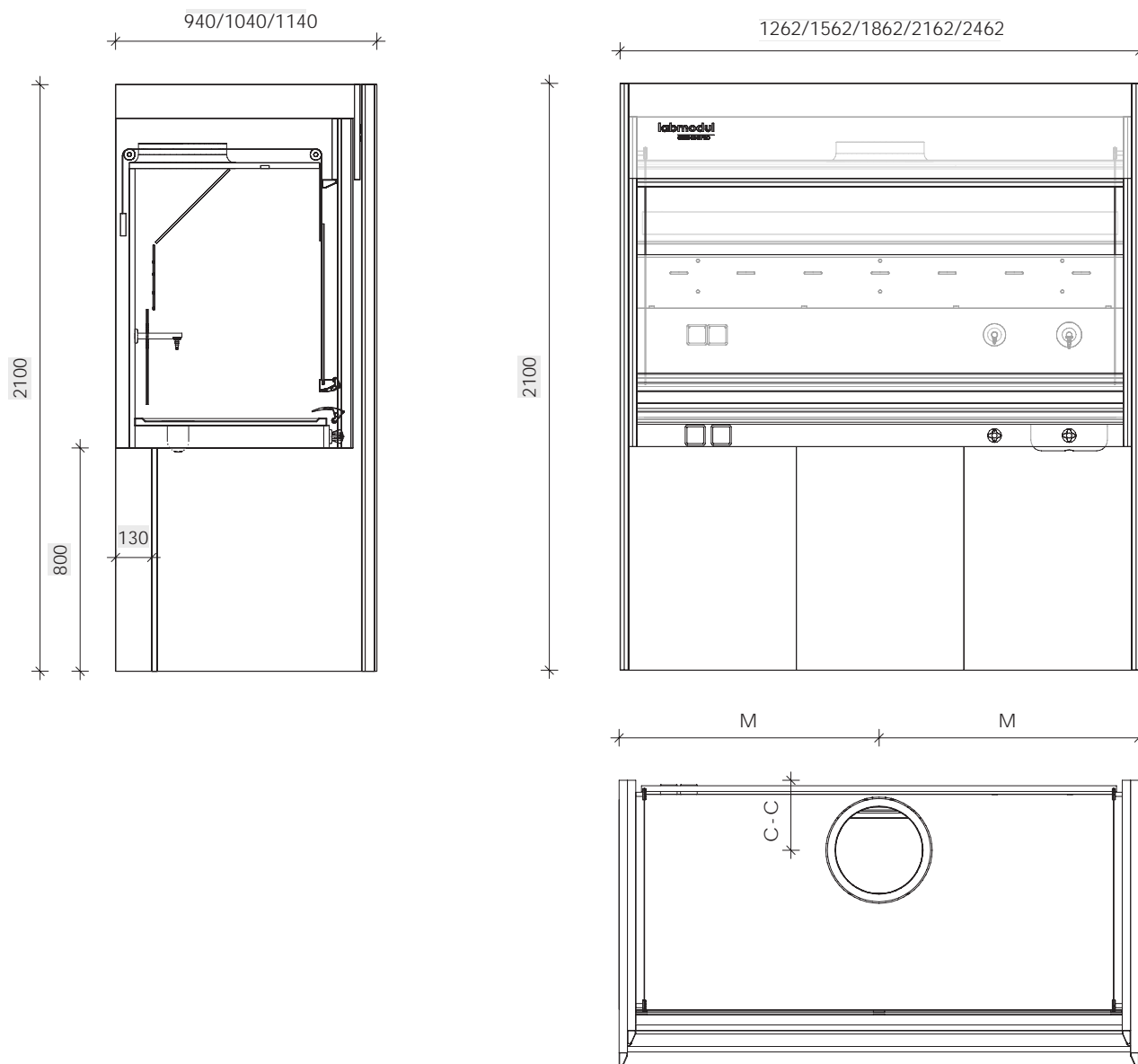
GREENLINE PRO - HEIGHT 2100 mm, SLANTED SASH WINDOW, ELECTRIC HEIGHT ADJUSTABLE



Technical data

Model	Greenline Pro 1262	Greenline Pro 1562	Greenline Pro 1862	Greenline Pro 2162	Greenline Pro 2462
Width outside (mm)	1262	1562	1862	2162	2462
Depth exterior (mm)	940 / 1040 / 1140				
Height exterior (mm)	2100				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1025				
Max Lift pane opening (mm)	700				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	633	783	933	498/498	648/648
Height adjustable movement (mm)	700 - 1000				

GREENLINE PRO - HEIGHT 2100 mm, VERTICAL SASH WINDOW, ELECTRIC HEIGHT ADJUSTABLE



Technical data

Model	Greenline Pro 1262	Greenline Pro 1562	Greenline Pro 1862	Greenline Pro 2162	Greenline Pro 2462
Width outside (mm)	1262	1562	1862	2162	2462
Depth exterior (mm)	940 / 1040 / 1140				
Height exterior (mm)	2100				
Width inside cabin (mm)	1140	1440	1740	2040	2340
Depth countertops (mm)	680 / 780 / 880				
Height inside cabin (mm)	1025				
Max Lift pane opening (mm)	700				
Connector for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Position from the back wall to ventilations c-c (mm)	207.5	207.5	240	207.5	207.5
Position from fume cupboard side to c-c (mm)	633	783	933	498/498	648/648
Height adjustable movement (mm)	700 - 1000				

Installations for fume cupboards with height adjustable parts

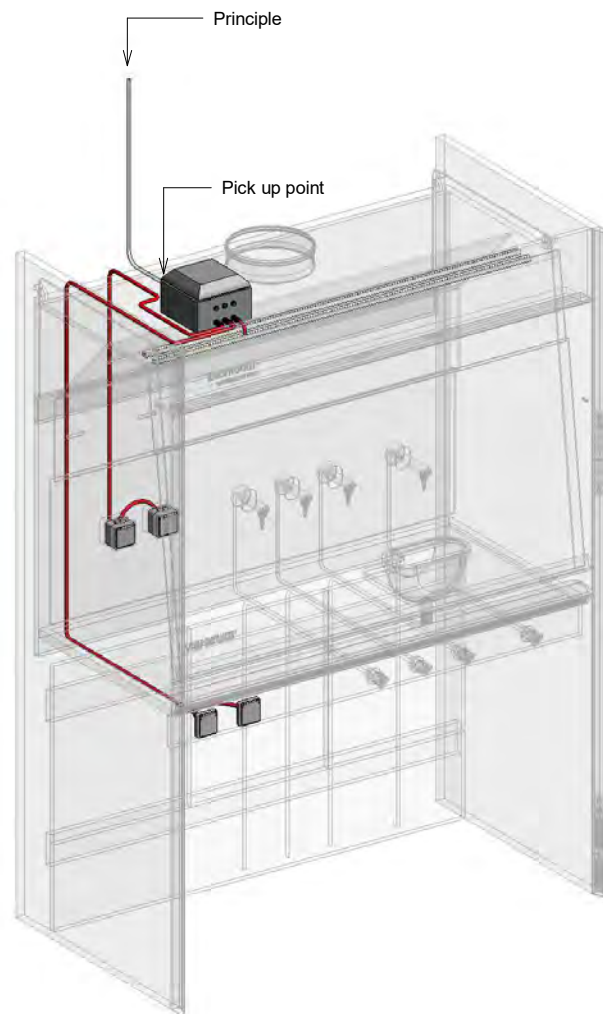
Electrical installations

Internal cable connections are made in 3-wire installation cable with 1-phase distribution. The installation is completed in a junction box located on top of the fume cupboard. From the junction box, a cable length of 130 cm is completed with a CEE plug 16A.

Consumption on the stage up to 2200 watts.

The fume cupboard is supplied with all internal connections made in cable installation and in accordance with the Strong Power Order, Section 6, Electrical Installations.

In case of special fume cupboards that must meet ATEX requirements, this is carried out in accordance with the applicable regulatory requirements.



Plumbing installations

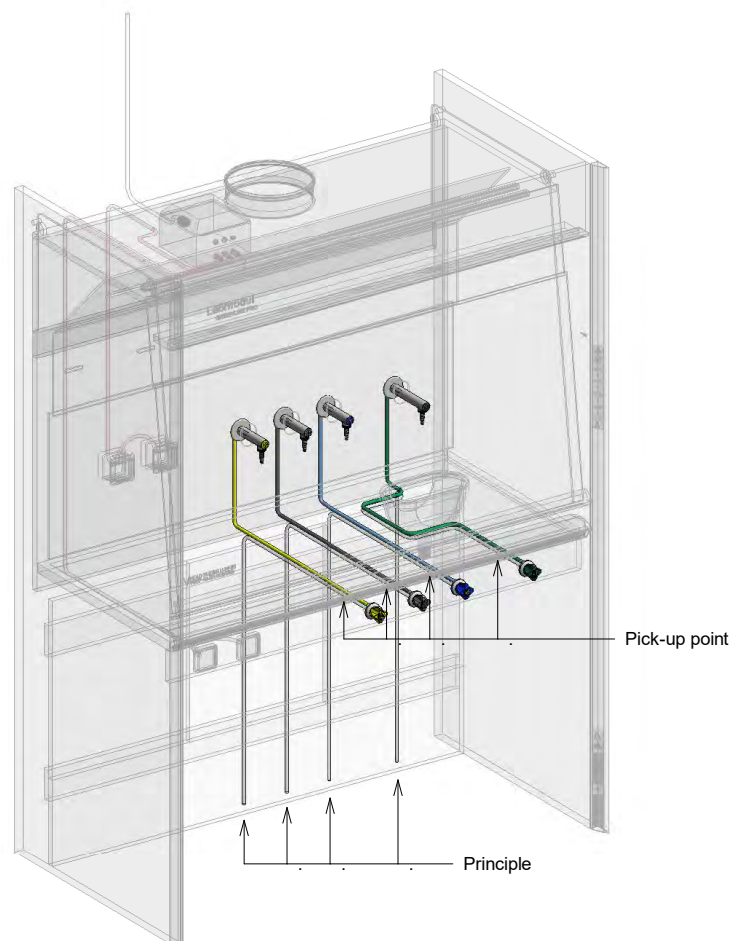
In general

Internal plumbing components are carried out in the BROEN UniFlex system. The system includes a wide range of fixtures and a unique concept of pipes for the connection and connection of plumbing installations.

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Fume cupboards with height adjustable function are performed with flexible pipes after water trap.

Pressure tested from the factory.



Medieoversigt

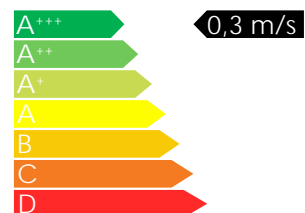
- | | |
|---|--|
|  01 - Water potable, cold (WPC) |  23 - Nitrogen (N ₂) |
|  02 - Water potable, hot (WPH) |  24 - Carbon Dioxide (CO ₂) |
|  03 - Distilled water (WDI) |  25 - Argon (Ar) |
|  07 - Water non-potable, cold (WNC) |  26 - Helium (He) |
|  08 - Water non-potable, hot (WNH) |  27 - Dinitrogen monoxide, nitrous oxide (N ₂ O)** |
|  10 - Natural gas (G) |  28 - Low vacuum - 100 kPa to 0,1 kPa (V) |
|  12 - Liquefied petrol gas (LPG) |  29 - Fine vacuum - 0,1 kPa to 0,001 kPa (VF) |
|  14 - Butane (C ₄ H ₁₀) |  30 - High vacuum - 0,1 kPa to 0,0000001 kPa (VH) |
|  16 - Propane (C ₃ H ₈) |  35 - Tempered water (one handle mixer) |
|  18 - Acetylene (C ₂ H ₂) |  36 - Deionised water, cold (WDC) |
|  20 - Hydrogen (H ₂) |  39 - Water potable (WPC /WPH) |
|  21 - Compressed air (CA) |  40 - Water non-potable (WNC /WNH) |
|  22 - Oxygen (O ₂)** | 46 - Methane (CH ₄) |

Internal / external hose types & connections

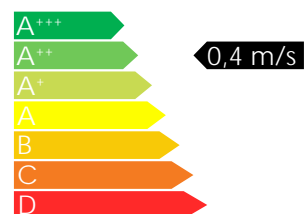
Labmodul					INTERNAL / EXTERNAL HOSE TYPE & CONNECTIONS	installation-related			
Media	Tube	Pressure	Collection	Dimension		Dimension	Collection	Valve	Zone
Domestic Water	Uniflex (SPX)	Max. 10 bar	G½"	G½"		G½"	Nippel	Shut-off valve	A
DEM water	PA	Max. 6 bar	G½"	G½"		G½"	Nippel	Shut-off valve	A
Technic gas	Uniflex (SPX)	Max. 16 bar	G½"	G½"		G½"	Nippel	Shut-off valve	A
Burning gas	Uniflex (SS)	Max. 132 bar	G½"	G½"		G½"	Nippel	Shut-off valve	A
Clean gas	Uniflex (PTFE)	Max. 21 bar	OD10/Ø10	OD10/Ø10		OD10/Ø10	Nippel	Shut-off valve	A
Strainer	PP	-		G1½"		G1½"			B

Air volumes in m³/h at 0,3 m/s

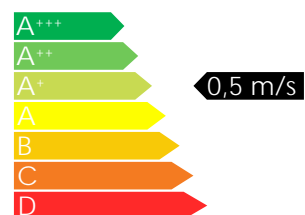
Opening cm	10	15	20	25	30	35	40	45	50
Greenline Pro 120	130	194	259	324	389	454	518	583	648
Greenline Pro 150	162	243	324	405	486	567	648	729	810
Greenline Pro 180	194	292	389	486	583	680	778	875	972
Greenline Pro 210	227	340	454	567	680	794	907	1021	1134
Greenline Pro 240	259	389	518	648	778	907	1037	1166	1296

Air volumes in m³/h at 0,4 m/s

Opening cm	10	15	20	25	30	35	40	45	50
Greenline Pro 120	173	259	346	432	518	605	691	778	864
Greenline Pro 150	216	324	432	540	648	756	864	972	1080
Greenline Pro 180	259	389	518	648	778	907	1037	1166	1296
Greenline Pro 210	302	454	605	756	907	1058	1210	1361	1512
Greenline Pro 240	346	518	691	864	1037	1210	1382	1555	1728

Air volumes in m³/h at 0,5 m/s

Opening cm	10	15	20	25	30	35	40	45	50
Greenline Pro 120	216	324	432	540	648	756	864	972	1080
Greenline Pro 150	270	405	540	675	810	945	1080	1215	1350
Greenline Pro 180	324	486	648	810	972	1134	1296	1458	1620
Greenline Pro 210	378	567	756	945	1134	1323	1512	1701	1890
Greenline Pro 240	432	648	864	1080	1296	1512	1728	1944	2160



Ventilation connection

Model (Fast)	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Outside width (mm)	1200	1500	1800	2100	2400
Connection pipe for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Height from floor to OK stud (mm)	2385				

Model (hæve-sænkefunktion)	Greenline Pro 120	Greenline Pro 150	Greenline Pro 180	Greenline Pro 210	Greenline Pro 240
Outside width (mm)	1262	1562	1862	2162	2462
Connection pipe for ventilation (mm)	Ø250	Ø250	Ø315	2 x Ø250	2 x Ø250
Height from floor to OK stud (mm)	2085 - 2385 (flexible pipe)				

labmodul
GREENLINE PRO



V HOLD PULLER LUXET
KEEP SASH CLOSED

Tabletops

Compact laminate is made in 12, 16 or 20 mm thickness. Available in white with a black core, but also available in black and white. The edges are rounded and polished and can be delivered in different profiles. Sinks and dripping cups can be integrated by either loading, planing or sublimation.

Trespa + is performed in 16 or 20 mm thickness. Supplied standard in white with a black core, but also available in black and gray. All edges rounded and polished. Sinks and dripping cups can be integrated by either loading, sinking or sublimation.

Stainless steel is made of 1.25 mm Scotch Bright AISI 316 steel glued to a waterproof wood core. Available with or without beads, 25 mm thick and at edge 30 mm. Sinks, dripping cups, chemical drains and garbage can be integrated with ice welding.

Epoxy Resin is performed as a solid table top with or without edges. The table top has a thickness of 19 mm and at the rim 25 mm, or 26/32 mm. Epoxy sinks and dripping cups can be integrated by either loading, planing or sublimation.

Polypropylene is done as a solid table top with or without marine edges. The table top has a thickness of 20 mm and with a marine edge of 30 mm. Sinks and dripping cups in PP can be integrated by ice welding or loading.

Ceramic is done as a solid table top with or without marine edges. The table top is glazed and has a thickness of 26 mm and a marine edge of 33 mm. Ceramic sinks and dripping cups can be integrated by either loading, planing or sublimation.

Resistance Overview

Material	Critical media	Malicious media	Advantage	Application
Compact laminate	Acids > 10 %	Salt Acids Nitric acids Sulfur Acids	Water Resistant Shockproof Inorganic material Sinks and dripping cups are integrated	Worktop Fronts Fume cupboards
Trespa+	Acids > 10 %	Salt Acids Nitric acids Sulfur Acids	Water Resistant Antibacterial High chemical resistance Shockproof Sinks and dripping cups are integrated	Worktop Fronts Fume cupboards
Stainless steel ASI 316L	Cadmium Lactic acid Oxalic acid	Fabrics with chlorine and bromine Formic acid Sulfur Acids	Water Resistant No collections High resistance to solvents Withstand high temperatures Easy to clean Sinks and dripping cups are integrated	Worktop Fume cupboards
Epoxy Resin	Acids > 20 %	Hydrofluoric acid Mineral acids	Water Resistant Shockproof High chemical resistance Withstand high temperatures Durable	Worktop Fume cupboards
Polypropylene	Acids > 10 %	Salt Acids Nitric acids Sulfur Acids Heat > 60 degrees	Water Resistant No collections High chemical resistance	Worktop Fume cupboards
Ceramic	None	Hydrofluoric acid	Water Resistant Best chemical resistance Withstand high temperatures Easy to clean Durable	Worktop Fume cupboards

For worktop	Acid / base	Solvent	discoloration	Heat
Compact laminate	•	•	•	•
Trespa +	•	•	•	•
Stainless steel ASI 316L	•	•	•	•
Epoxy Resin	•	•	•	•
Polypropylene	•	•	•	•
Ceramic	•	•	•	•

- Unsuitable Not resilient
- Suitable Resistant, weak discoloration after prolonged exposure
- Suitable Resistant, no impact

Sinks



Stainless steel



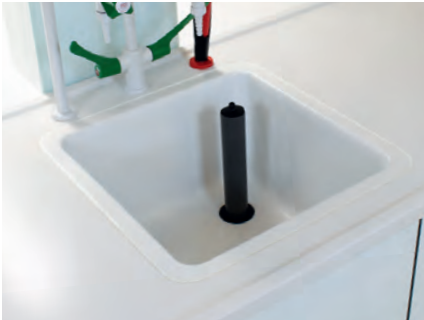
PP

Polypropylene sinks

- 320 x 320 x 200 mm
- 400 x 300 x 250 mm
- 400 x 400 x 250 mm
- 500 x 400 x 250 mm
- 600 x 400 x 250 mm

Ceramic sinks

- 400 x 400 x 250 mm
- 500 x 400 x 250 mm
- 600 x 400 x 250 mm



Epoxy



Ceramic

Epoxy resin sinks

- 300 x 200 x 200 mm
- 356 x 254 x 157 mm
- 400 x 400 x 300 mm
- 406 x 305 x 203 mm
- 450 x 365 x 200 mm
- 600 x 450 x 300 mm
- 635 x 381 x 254 mm

Stainless steel sinks

- 340 x 300 x 145 mm
- 400 x 340 x 145 mm
- 480 x 340 x 180 mm
- 500 x 400 x 160 mm
- 600 x 400 x 200 mm

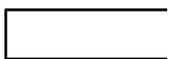


Placement possibilities of drip cup and sink on fume cupboard worktop

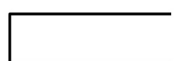
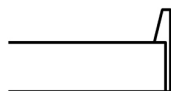
Worktops profiles

Front edges

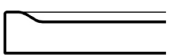
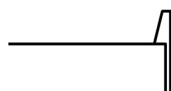
Rear edges



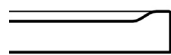
Compact laminate with Alu edge



Trespa+ compact laminate with Alu upturned edge

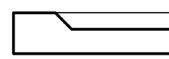


Stainless steel with steel marine edges

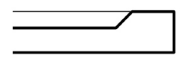


Front edges

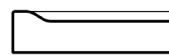
Rear edges



Epoxy Resin with marine edges



Polypropylene with marine edges



Ceramic with marine edges

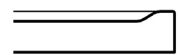
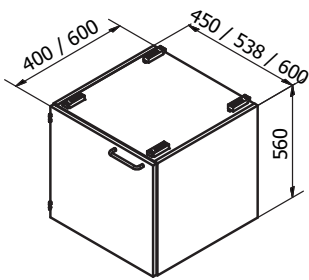


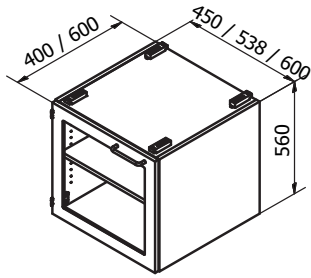
Illustration of Suspended Underbench Cabinet for Fume Cupboard



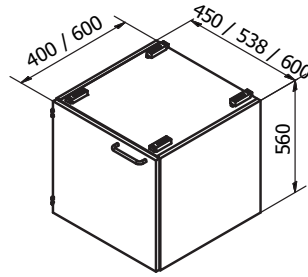
Fume cupboard underbench cabinet - suspended



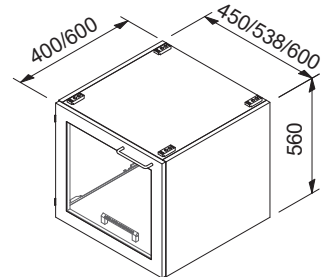
Cabinet with 1 solid door



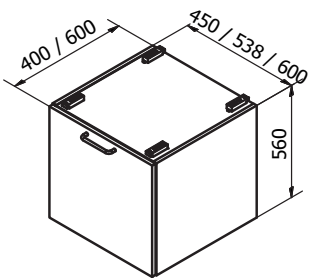
Cabinet with 1 glass door



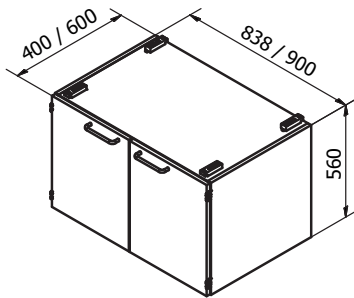
Cabinet, with 1 solid door + pull-out shelf



Cabinet, with 1 glass door + pull-out shelf

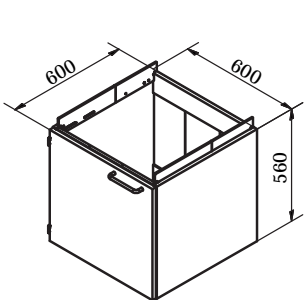


Cabinet with 1 pull-out drawer

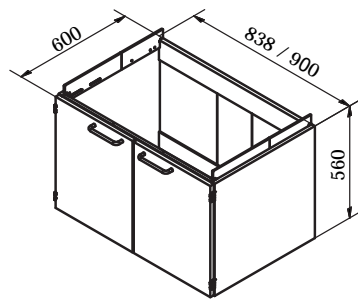


Cabinet with 2 solid door

Fume cupboard sink cabinet - suspended



Cabinet with 1 solid door



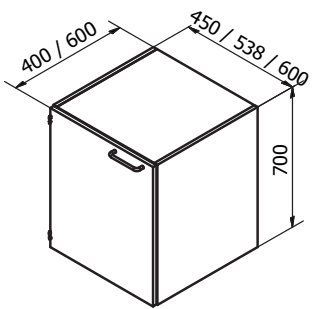
Cabinet with 2 solid door

Illustration of Underbench Cabinet for Fume Cupboard on Plinth

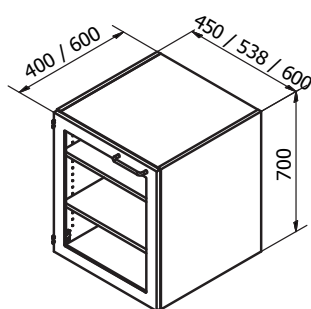


Without ventilation

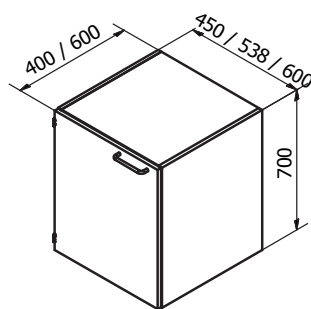
Fume cupboard underbench cabinet - on plinth



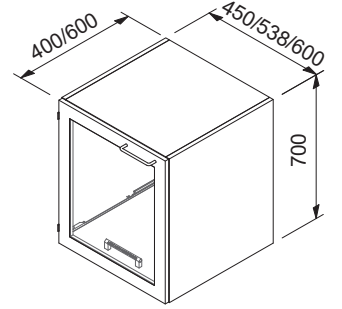
Cabinet with 1 solid door



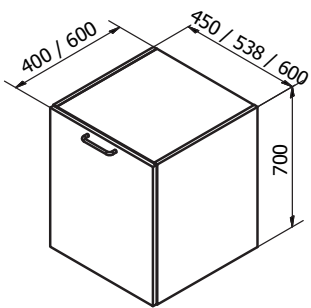
Cabinet with 1 glass door



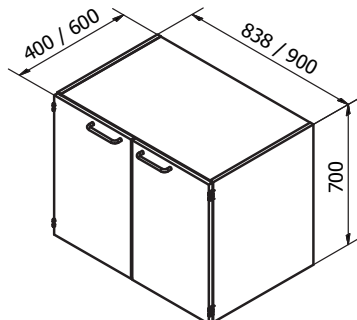
Cabinet, with 1 solid door + pull-out shelf



Cabinet, with 1 glass door + pull-out shelf

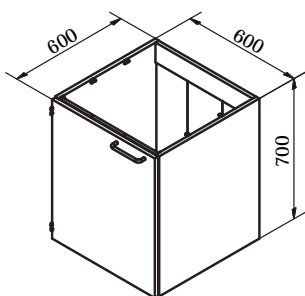


Cabinet with 1 pull-out drawer

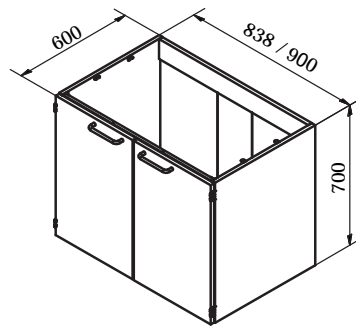


Cabinet with 2 solid door

Fume cupboard sink cabinet - on plinth



Cabinet with 1 solid door



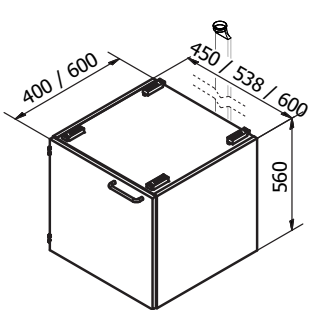
Cabinet with 2 solid door

Illustration of Suspended Chemical Underbench Cabinet for Fume Cupboard

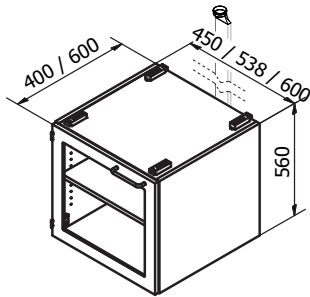


With ventilation

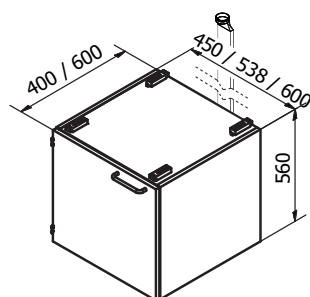
Chemical cabinet - Suspended



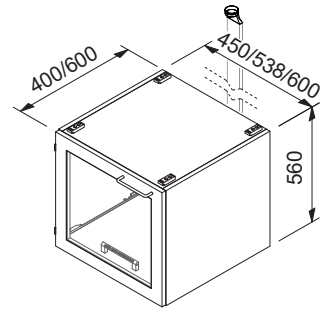
Cabinet with 1 solid door



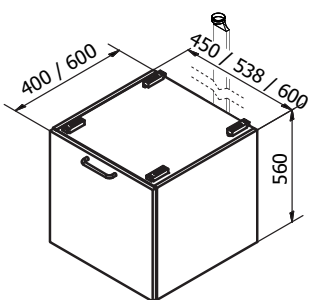
Cabinet with 1 glass door



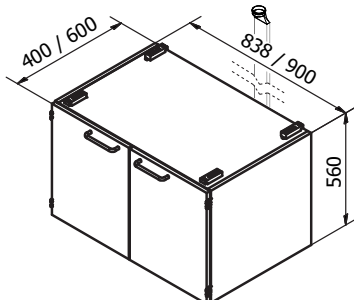
Cabinet, with 1 solid door + pull-out shelf



Cabinet, with 1 glass door + pull-out shelf



Cabinet with 1 pull-out drawer

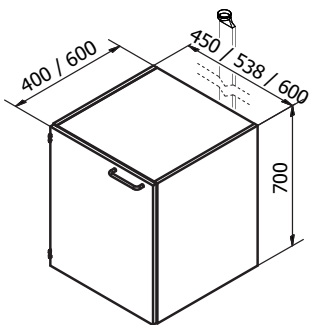


Cabinet with 2 solid door

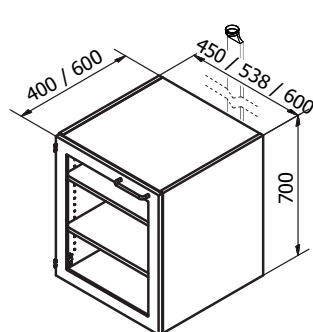
Illustration of Chemical Underbench Cabinet for Fume Cupboard on Plinth



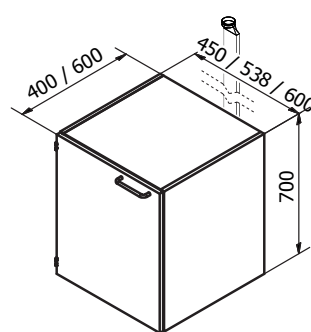
Chemical cabinet - on plinth



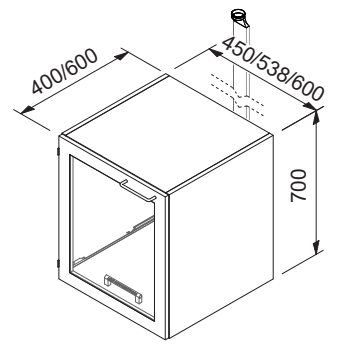
Cabinet with 1 solid door



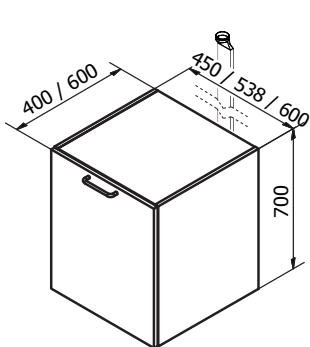
Cabinet with 1 glass door



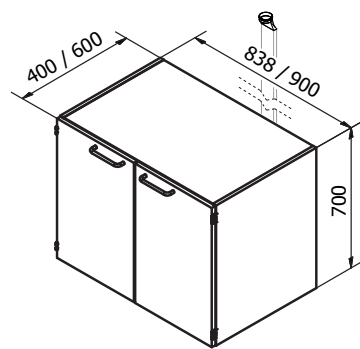
Cabinet, with 1 solid door + pull-out shelf



Cabinet, with 1 glass door + pull-out shelf



Cabinet with 1 pull-out drawer



Cabinet with 2 solid door



labmodul
GREENLINE PRO

biohazard
90

VOLT RUSH LURED
KEEP SHARP CLOSED

LOW WASTE / VANDROUPLING

Other regulations

All standards, regulations, guides, etc. for materials, workmanship and safety measures are complied with.

EN/DS Standards

- ◆ EN/DS 14175 Danish/Europe standard for fume cupboards,
- ◆ EN/DS 1030
- ◆ EN/DS 12600: $\alpha(\beta)\phi$ 6mm tempered glass: 1(C)2,

SBI-instructions

Nr. 108 Moisture and facade joints

- ◆ DIN-standards
- ◆ DIN-standards 68761, pages 1, 2 og 3
- ◆ DIN-standards 1052

Notices

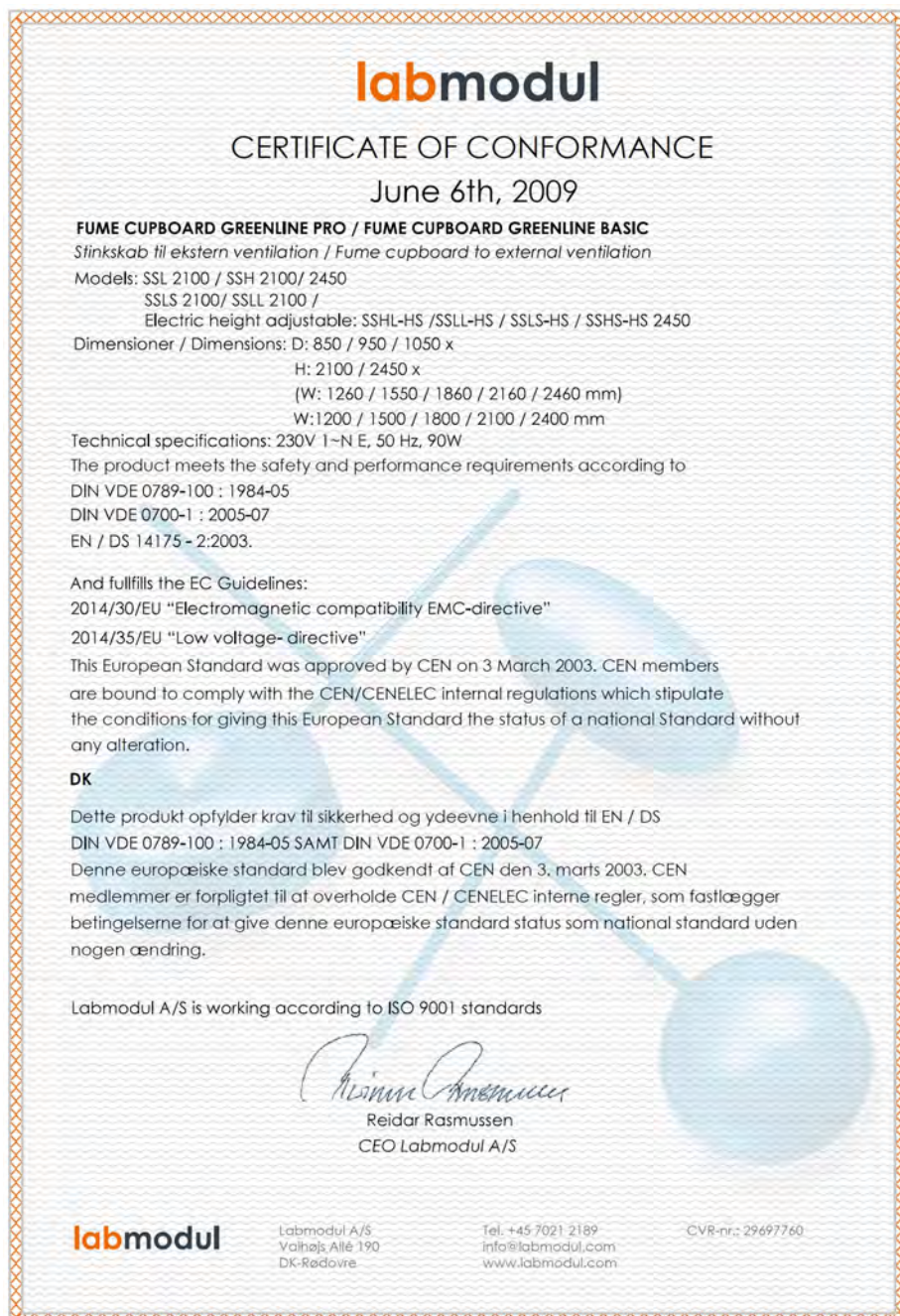
- ◆ Strong Power Order Section 6, Electrical Installations 1st Edition.
- ◆ Ministry of the Environment's Order No. 289.
- ◆ Ministry of Labor's Order No. 642 on Genetic Engineering and the Working Environment.
- ◆ Executive Order No. 864 on biological agents and occupational health and safety.
- ◆ Danish National Board of Health Order No. 954 on the use of open radioactive sources in hospitals, laboratories, etc.

Instructions

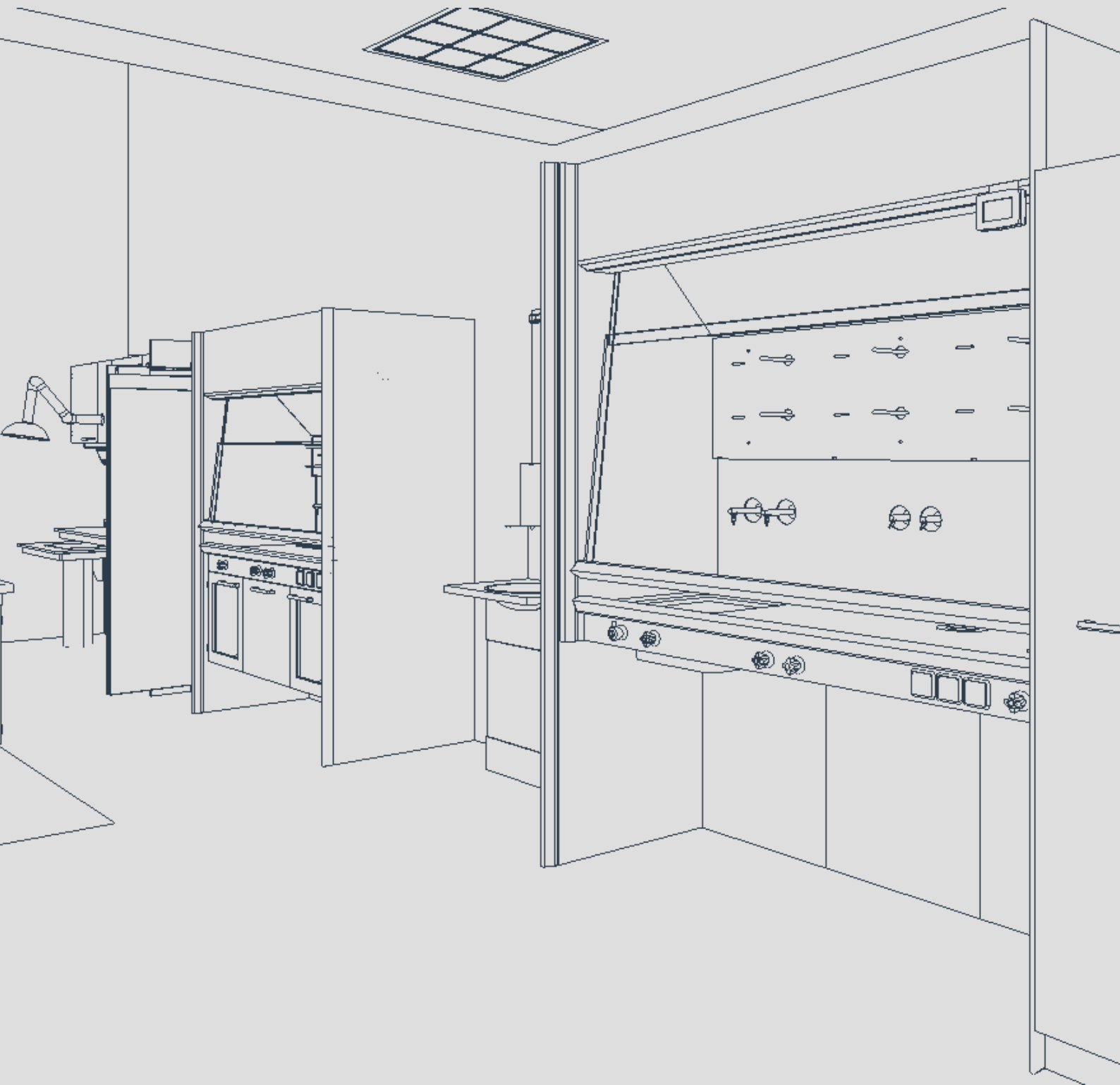
- ◆ AT guidance C.0.4. December 2009 Guidance on the classification of laboratories, plants for production, etc., where work is done with genetically modified organisms.
- ◆ Industry's Industrial Work Environment Council Guidelines on fume cupboards - Guide to Work in fume cupboards, 2010.
- ◆ SIS - Radiation Protection Guidelines for Working with Open Radioactive Sources (Used in Isotope Laboratories). Edition 10, September 2005.

Industry Publications

- ◆ MBK Painting Processing Directory
- ◆ FSO Sealing industry's Cooperation and Information Council
- ◆ V.S.O. Guidance from the Glass Industry Cooperation Organizations
- ◆ Various supplier information.







FIRE AND CHEMICAL CABINETS



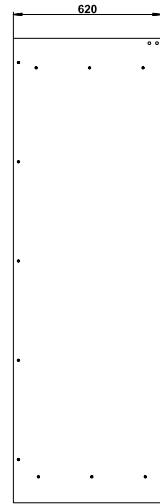
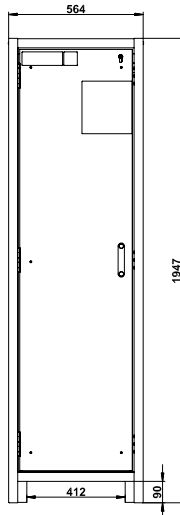
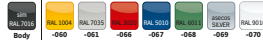
Steel special cabinets

Fire resistant tall storage cabinet 30 minutes

With self-closing door in case of fire. The cabinet is equipped with 4 pull-out trays; Load capacity of 25 kg / pc. Collection pots in PP or PE are offered separately.
Model nr. Q30.195.056



Standard colors

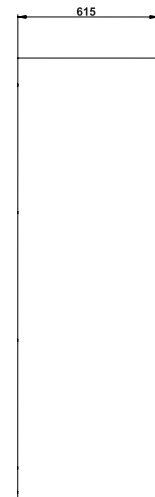
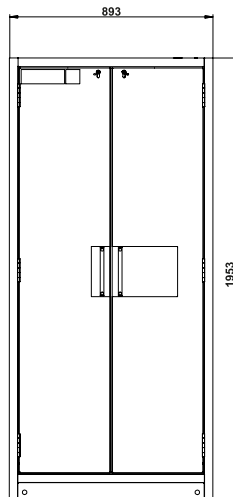
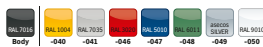


Fire resistant tall storage cabinet 90 minutes

With self-closing door in case of fire. Integrated ventilation duct for extraction. The cabinet is equipped with 3 shelves; Load capacity of 75 kg / pc. Collection pots in PP or PE are offered separately.
Model nr. Q90.195.090



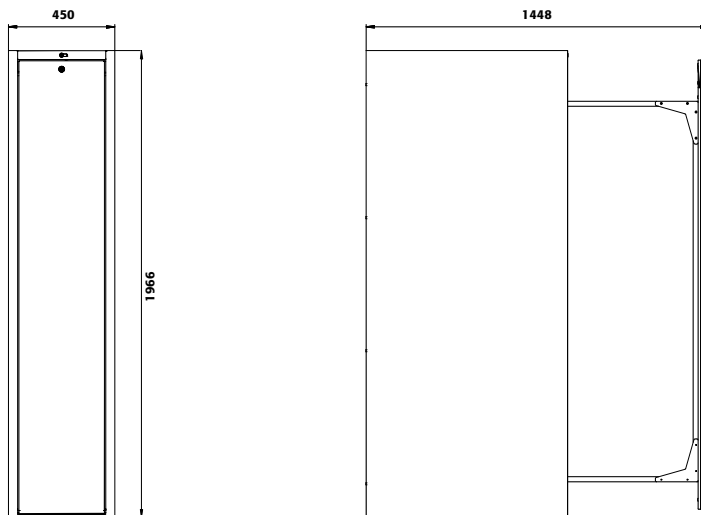
Standard colors



Fire resistant tall chemical storage cabinet 90 minutes

Pull-out cabinet with electric open/close function. Self-closing door in case of fire. Integrated ventilation duct for extraction. Supplied with 5 shelves and 1 x bottom with collecting swamp.

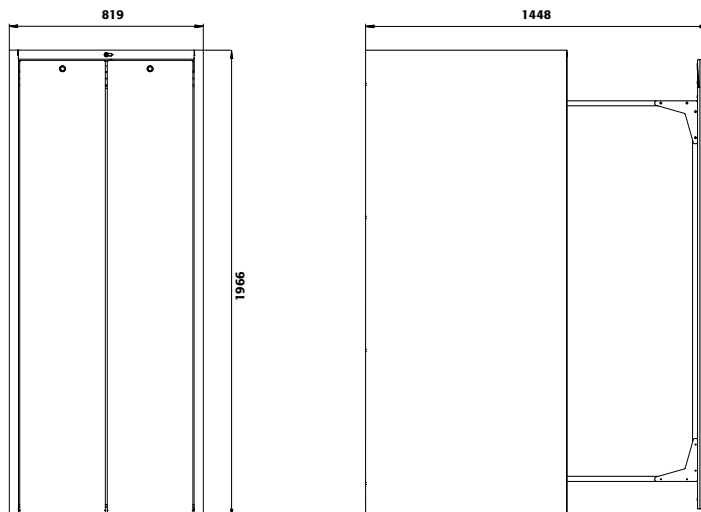
Model nr. Single Cabinet:
V90.196.045.VDAC



Fire resistant tall chemical storage cabinet 90 minutes

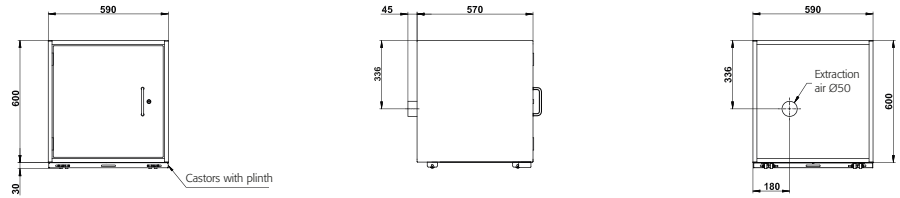
Double pull-out cabinet with electric open/close function. Self-closing door in case of fire. Integrated ventilation duct for extraction. Supplied with 10 shelves and 2 x bottom with collecting swamp.

Model nr. double cabinet:
V90.196.081.VDAC

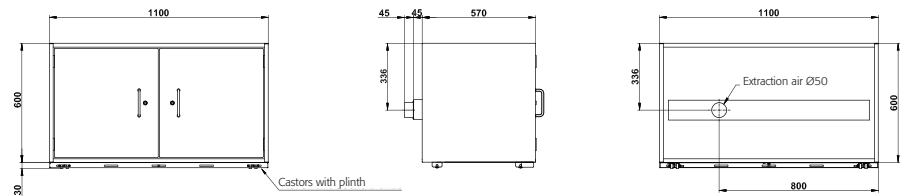


Acid / Base cabinet with pull-out shelves

Ventilated under cabinet with 2 pull-out shelves, prepared for connection of ventilation. For storing aggressive and non-combustible chemicals.
Model nr.: SL.060.059.UB.2T

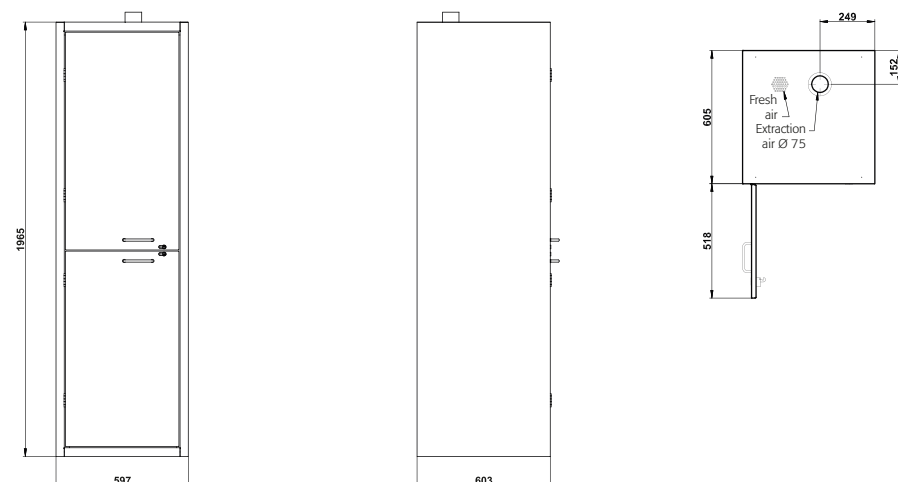


Ventilated double under cabinet with 4 pull-out shelves, prepared for connection of ventilation. For storing aggressive and non-combustible chemicals.
Model nr.: SL.060.110.UB.2T



Acid / Base tall storage cabinet with pull-out shelves

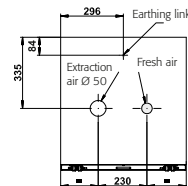
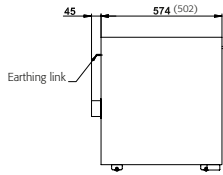
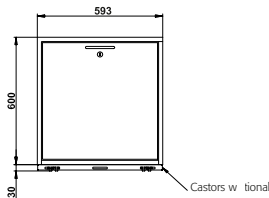
Ventilated 2 split tall storage cabinet with 6 pull-out shelves, prepared for connection of ventilation. For storing aggressive and non-combustible chemicals.
Model nr.: SL.196.060.MH



Fire resistant under cabinet 90 minutes / with pull-out door

Fire resistant under cabinet 90 minutes, with drawers.

Model nr.: UB90.060.059.S



Fire resistant under cabinet 90 minutes, for chemical collection

Fire resistant under cabinet 90 minutes, for chemical collection in a drawer, prepared for the liquid level gauge with alarm.

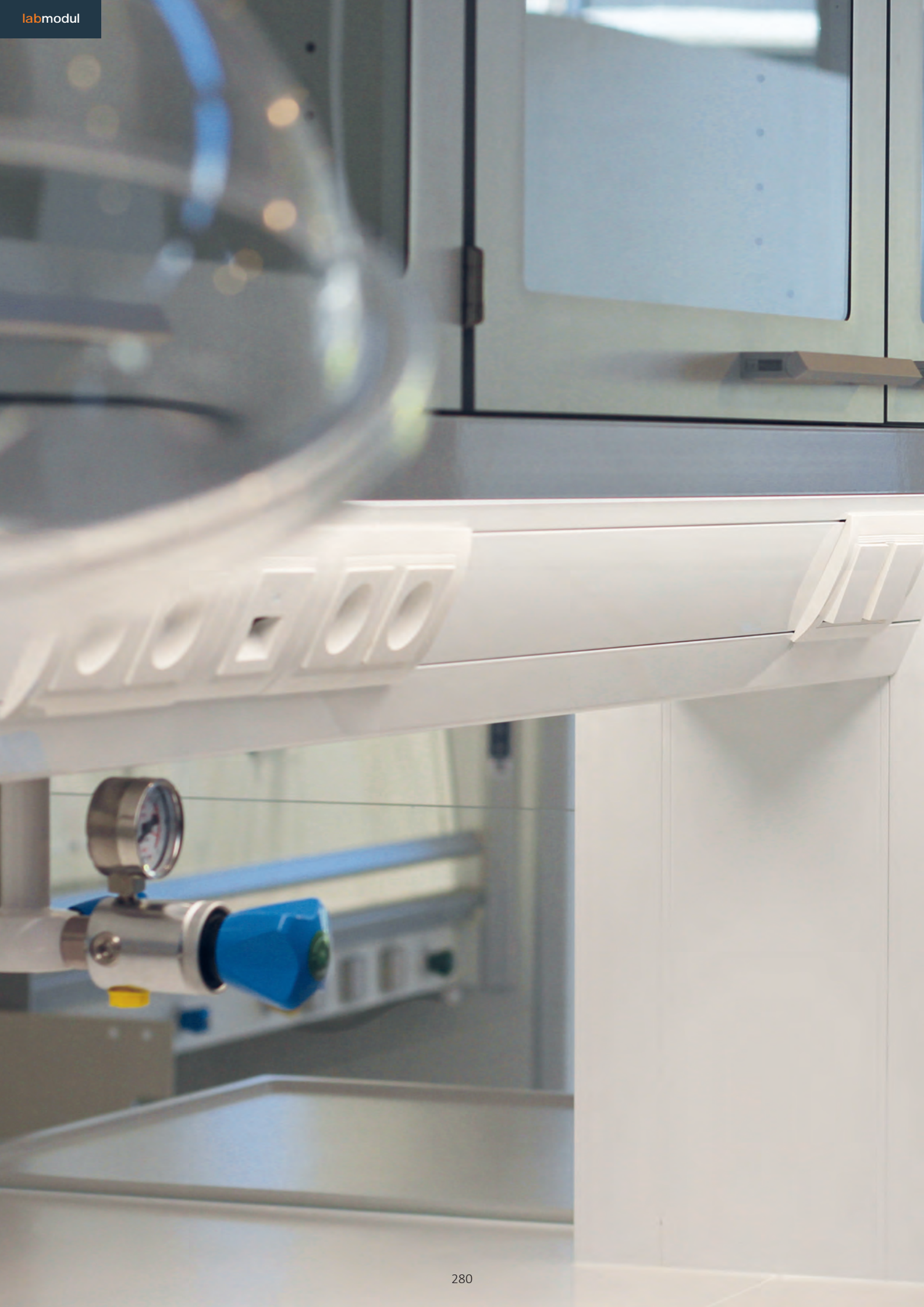
Model nr.: UB90.060.059.T



Accessories:
Table-mounted waste suit for collecting in the dunk located in the under cabinet.
Varenr.: 28931







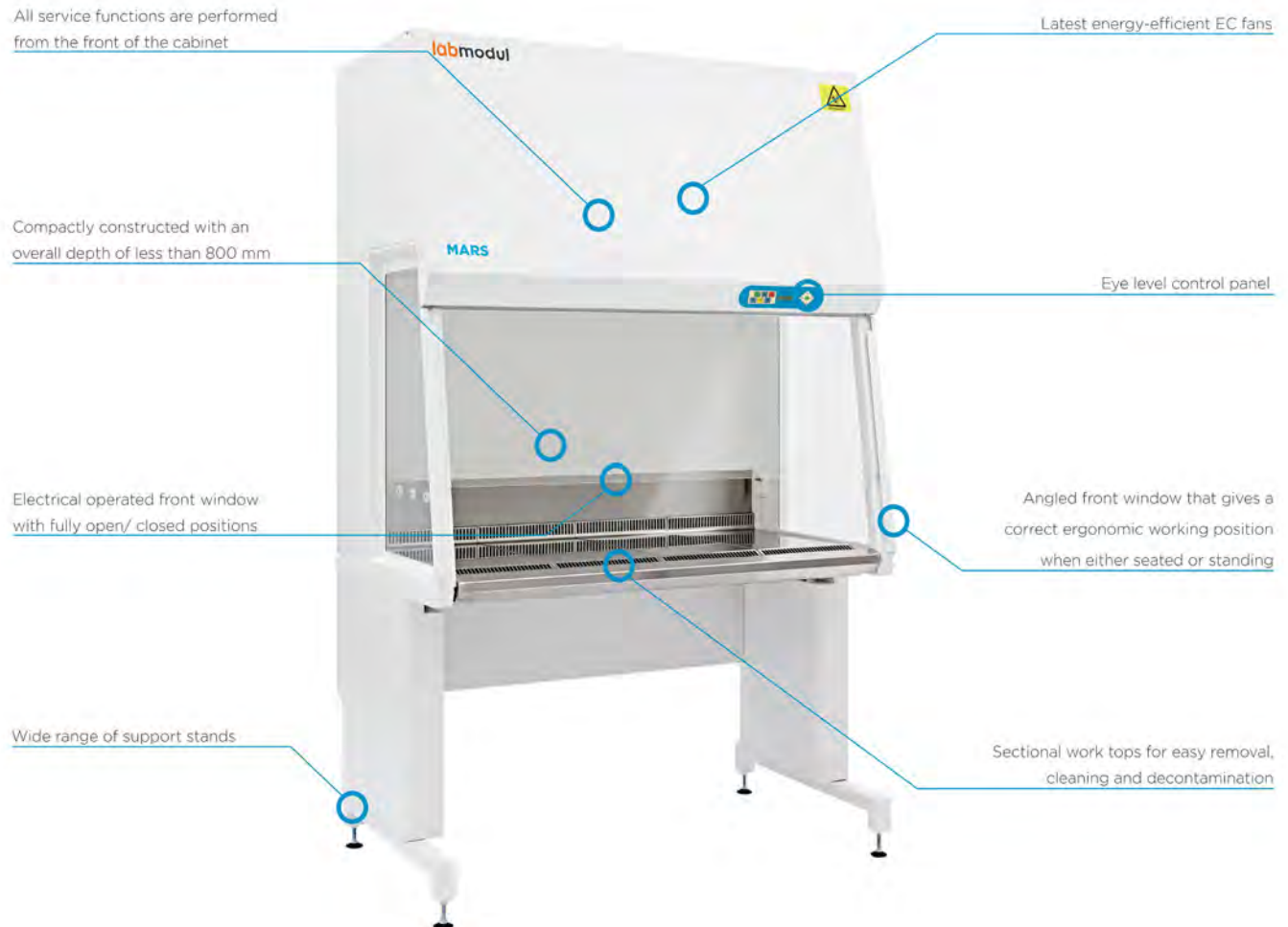


BIO SAFETY CABINET



MARS CLASS 2 CABINET

The Mars Class 2 cabinet is the ideal choice for your laboratory whenever operator, environmental and product protection is required. Designed for all biological, microbiological, tissue culture materials, whether for research or for routine applications



Optimal operator comfort

- ◆ New features of the range include: New innovative EC fans and optimized air flow, contributing up to a 6 dB(A) reduction in the noise level. (Compared to previous models). For a Mars 1200 that equates to a 47 dB(A) noise level at factory settings and 37 dB(A) in Eco-save mode.**
- ◆ V-shaped angled inflow grills allowing a comfortable working position whilst preventing restriction of the airflow.
- ◆ Panoramic front & side windows for ultimate supervision and glare-free lighting, giving a comfortable stress-free working environment.
- ◆ Diffused laminator allows shadow-free, variable light distribution within the chamber.
- ◆ The integrated control panel with LCD display is conveniently positioned for ease of viewing and operation, ensuring optimal performance and safety characteristics at all times.

*Compared to previous Mars models.

** According to EN 11201.

Principle of operation:

The air flow enters the work chamber of the cabinet via the front aperture and continues under the worktop and up the back plenum, where 70% is recirculated through the main HEPA filter, to provide the down flow protection and 30 % exits out through the HEPA filter to exhaust.

The Mars unique design incorporating laminator technology with down flow fans and a single exhaust fan, digitally controlled, ensures true laminar flow and turbulent-free air distribution throughout the work chamber. This advancement results in lower noise levels, a vibration free work area, a longer filter lifetime and lower energy consumption. The vertical laminar flow recirculation provides operator protection by means of the inflow, product protection by means of the down flow and environmental protection by means of the filtered exhaust.

Mars Class 2 is the cabinet of choice when working with microbiological samples, tissue culture, viral work, non-pathogenic manipulations, research and sampling procedures.



MODEL	UNIT	M900	M1200	M1500	M1800
CATALOGUE NO.		9.001.023.000	9.001.020.000	9.001.022.000	9.001.021.000
EXTERNAL DIMENSIONS (DxWxH)	mm	798x1003x1248	798x1303x1248	798x1603x1248	798x1903x1248
WORKING CHAMBER, DIMENSIONS (DxWxH)	mm	650x900x720	650x1200x720	650x1500x720	650x1800x720
WORKING HEIGHT	m	« Work height off 0.75-110 in 2.50 rooms »			
FRONT OPENING	mm	« 200 optional 300 »			
AIR VELOCITY, VERTICAL FLOW	m/s	« 0,28 (adjustable 0,25-0,55) »			
AIR VELOCITY, DEVIATION	±%	10	10	10	10
DOWN FLOW RATE	m ³ /h	500	650	810	975
EXHAUST FLOW RATE	m ³ /h	260	350	440	520
NOISE LEVEL, ISO 6081	dB(A)	<48	<48	<49	<49
LIGHT INTENSITY VARIABLE	Lux	0-2000	0-2000	0-2000	0-2000
HEPA FILTERS, EN 1822		« Efficiency is 99.999 % against 0.3 µm particle H-14 size 99.995 % in MPPS »			
V-SHAPED TABLE TOPS		Yes	Yes	Yes	Yes
CLEAN ROOM DESIGN		Yes	Yes	Yes	Yes
EXCELLENT LIGHT DISTRIBUTION		Yes	Yes	Yes	Yes
ELECTRIC SLIDING WINDOWS		Yes	Yes	Yes	Yes
WINDOW CLEANABLE ON BOTH SIDES		« Yes (side windows only if space around allows cleaning) »			
VOLTAGE/FREQUENCY	V/Hz	« 220-240/50-60 or 110-120/50-60 »			
POWER CONSUMPTION	W	150	175	200	225
FUSES	A	10	10	10	10
NET WEIGHT	kg	225	250	275	300
SHIPPING VOLUME	m ³	2.2	2.9	3.2	4.1
WINDOW MATERIAL		« Hardened/laminated safety glass »			
CABINET MATERIAL		« Polyester coated steel/AISI 304 Stainless steel »			

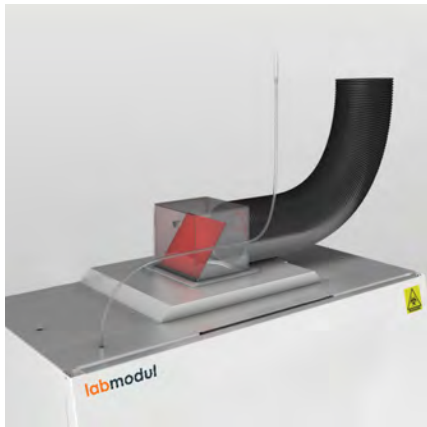
MARS - Range of options

We offer a range of options to tailor the Mars cabinet to your specific requirements!

- ◆ A wide range of different support stands can be supplied including an electrical operated elevation stand. With an overall height of just above 2 meters the cabinets offer full operational performance in rooms with low ceilings, even when fitted with the electrical elevation support stand.

Connection of your Mars cabinet to external ducting system

- ◆ HEPA filters do not trap gases and toxic chemicals that may be used as an adjunct to microbiological studies. In these applications it is important to select an exhaust ducting route to lead the exhausted air safely out of the laboratory to an external ventilation system.
- ◆ It is possible to connect the cabinet to an external ducting system via an anti-blow back valve. The extract connection can be either referred to as a hard duct or a thimble duct, where the latter is also extracting air from the laboratory.
- ◆ The compact construction of the Mars Class 2 cabinet makes it possible for it to be used – ducted either way – with a working height of up to 1000 mm in a laboratory with a ceiling height of 2,5 meters.



Ultra clean environment – Safety first

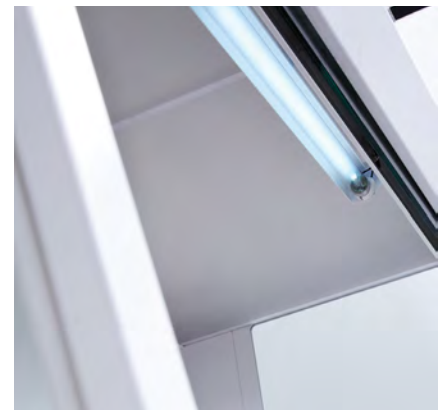
- ◆ 110 mm HEPA filters with efficiency at 99,999 % against 0,3 µm particles, ensuring a clean sterile work chamber environment.
- ◆ Unique laminator/diffuser technology giving turbulent-free air flow, protecting your samples against particle contamination.
- ◆ Down flow & exhaust fans are constantly monitored via the flow sensors to ensure safe operating conditions are maintained.
- ◆ Alarms, both acoustic and visual for unsafe airflow conditions or any interruption.
- ◆ Angled pre-filter for easy inspection and filter exchange.
- ◆ Sectional 300 mm work tops allowing loads up to 50 kg. per 300 mm, easy removal for cleaning and decontamination of all surfaces.
- ◆ Easy to maintain as all service functions are performed from the front of the cabinet, including changing of the HEPA filters, pcb's and sensors, and adjustments/monitoring of alarms and fan speed.



Built-in LAF-LCD screen mounted on the rear wall or alternatively magnetically mounted for easy removal or positioning to suit the operator's convenience and comfort.



A marble stone can be inserted to the work top section for weighing application to 6 decimals.



An UV light for decontamination of the work surfaces or for deactivating DNA, can be fitted in the interior of the work chamber.



Sectional work tops can be provided in different sizes from 300 mm to 1800 mm and also in AISI 316 to enable the Mars to be configured suit to your exact practical requirements.





FRIDGES, FREEZERS AND ULTRA FREEZERS



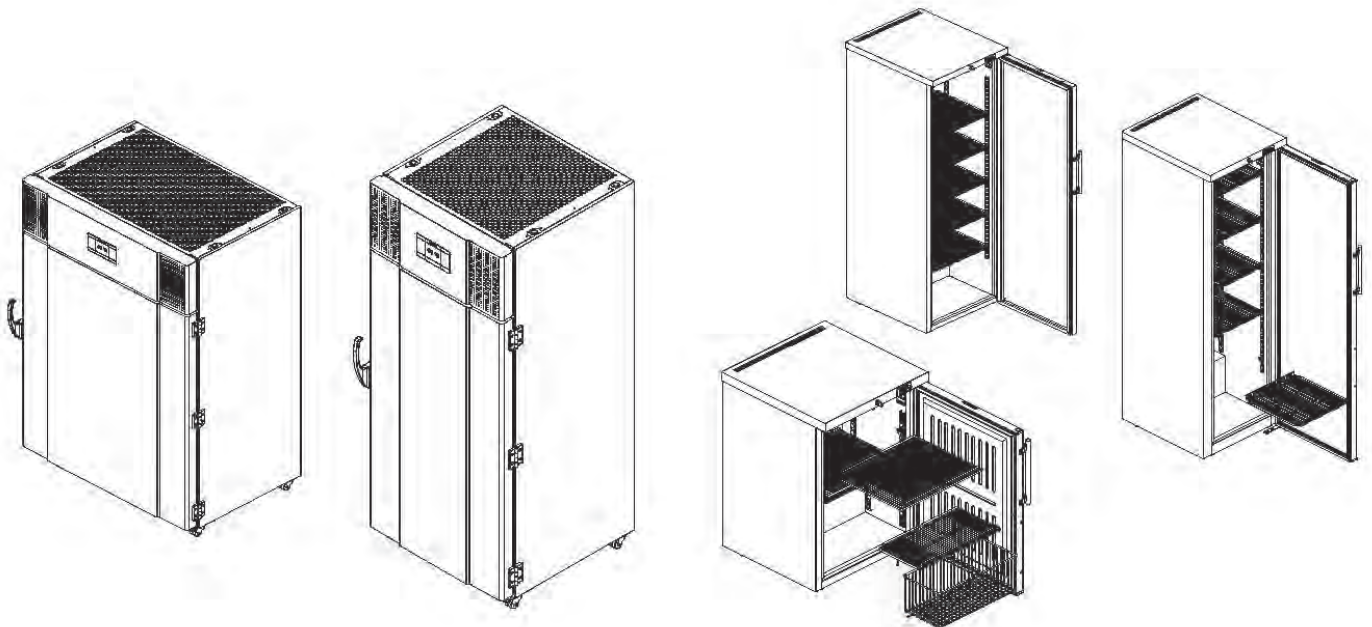
LABMODUL FRIDGES, FREEZERS & ULTRA FREEZERS

- ┌ Cleaner working environment
- ┌ Flexible interior
- ┌ User-friendly
- ┌ High storage capacity
- ┌ Door key lock
- ┌ LED Lightning
- ┌ Easy to clean
- ┌ Robust and durable

NEW GENERATION OF FRIDGES AND FREEZERS

Our fridges and freezer features a dual cooling system, that consists of two independent systems offering you the best security. In case of any failure with one of the cooling systems, the other system will still maintain the temperature at -80°C . Thereby, your samples will not be affected by any challenge caused by an unexpected system failure, until service is provided. This is possible due to our highly reliable single compressor technology.

All our refrigerator has a flexible interior and are user-friendly with automatic door closing and adjustable shelves. They also have a high storage capacity, a high temperature stability and many features, which all come as standard.





PRE 440

A STABLE RUNNING UNIT THAT OFFERS A GREAT LEVEL OF FLEXIBILITY
THE FLEXA RANGE OFFERS AIR FORCED COOLING FOR HIGH TEMPERATURE STABILITY AND QUICK TEMPERATURE RECOVERY AFTER DOOR OPENINGS.

EXTRA SECURITY

The FLEXA range has multiple safety features as standard. The range comes with a built-in lock to restrict access to the stored samples. Besides the physical security features, the FLEXA range comes with electronic safety features. The temperature display has a high/low temperature audio and visual alarms along with a door open alarm. The controller records the minimum and maximum temperature since the last reset, and this ensures that your samples have never gone out of the set temperature range.

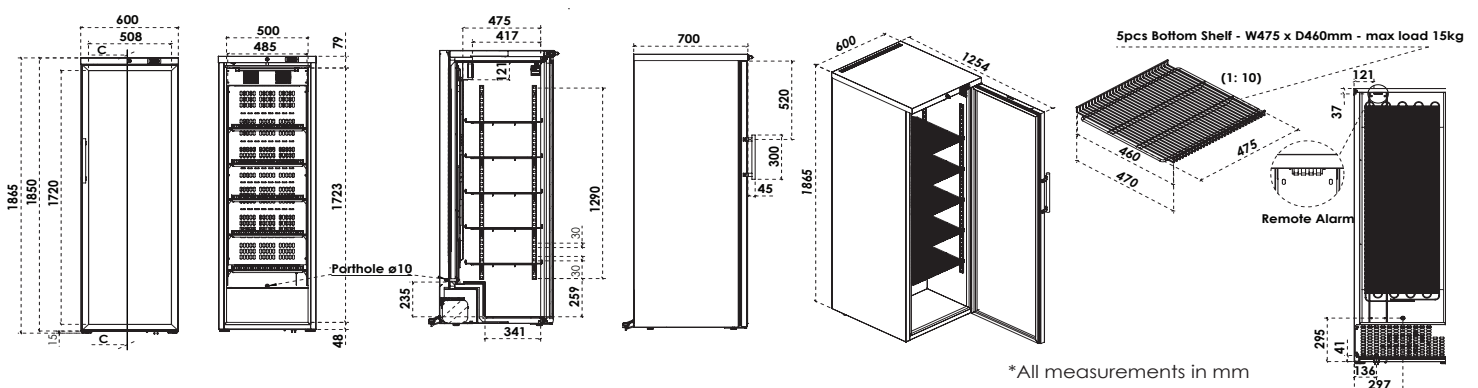
FLEXIBLE STORAGE

The FLEXA range offers a great level of flexibility and covering a large spectrum of different storage needs. The shelves in the FLEXA range are specially designed for easy adjustments in order to offer the best flexibility for your storage needs. This allows the user to organize their unit exactly as desired.

OPTIONAL ACCESSORIES

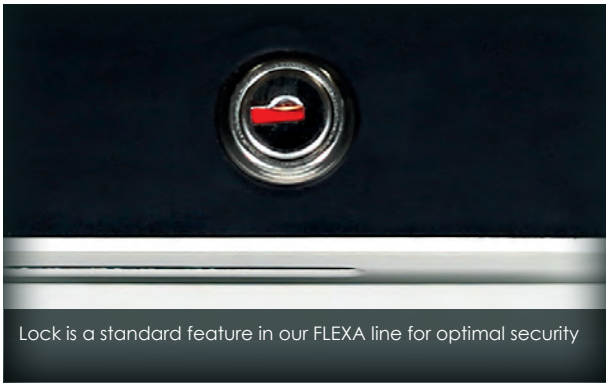
SVS voltage stabilizer
GSM alarm module
Shelves
Basket

MAIN DIMENSION FOR PRE 440





The Carel controller features, among others, visual and acoustic alarm, high/low temperature alarm and open door alarm.



Lock is a standard feature in our FLEXA line for optimal security



The shelves in the new FLEXA models are easy adjustable in order to offer best flexibility for your storage needs



All models in our new FLEXA range feature LED lighting offering long time durability and lowest possible operating cost

UNIT INFORMATION

Item code	DAI 6045
Dimensions exterior WxDxH (mm)	600x700x1865
Controller (name)	Carel
Capacity (L)	437
Dimensions interior WxDxH (mm)	475x500/365x1723
Insulation (mm)	50
Temperature range (°C)	+2/ +8
Max. ambient temperature (°C)	32
Cooling technology	Air forced cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	2,3
AMP (A)	0,9
Power (Watt)	170
Horse power (HP)	1/4
Battery backup for alarms and temperature display in the event of power cut (approx hours)	no
ALARM FUNCTIONS	
Alarm display as text - not codes	no
Visual / Acoustic alarm	yes
Power failure alarm	no
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	no
Compressor alarm	no
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	no
RS 232 interface	no
USB for software upload	no
USB readout for logged data	no
Chart recorder	no
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	yes
2 extra probes can be mounted inside	no
Password protection for turning unit on/off	no
Temperature graph on display	no
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter	11
Temperature sensor	NTC
Lighting	yes
Key lock / Card lock	yes / no
Castors / with break in front	4 small / no
Shelves (pcs.) / drawers (pcs.)	5
Adjustable shelves (pcs.) / drawers (pcs.)	5
Max load per shelf	15kg
Vaccum release port	1
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	yes
Reversible doors (pcs.)	yes
REFRIGERATION & CABINET	
No. of compressors	1
Refrigerant	R600a
Inner liner material	Coated steel
Cabinet material	Ccoated steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	105
Shipping weight (KG)	115
Shipping dimensions WxDxH (cm)	620x730x202,5
Shipping volume (m³)	0,92



PRE 120

A STABLE RUNNING UNIT THAT OFFERS A GREAT LEVEL OF FLEXIBILITY
THE FLEXA RANGE OFFERS AIR FORCED COOLING FOR HIGH TEMPERATURE STABILITY AND QUICK TEMPERATURE RECOVERY AFTER DOOR OPENINGS.

EXTRA SECURITY

The FLEXA range has multiple safety features as standard. The range comes with a built-in lock to restrict access to the stored samples. Besides the physical security features, the FLEXA range comes with electronic safety features. The temperature display has a high/low temperature audio and visual alarms along with a door open alarm. The controller records the minimum and maximum temperature since the last reset, and this ensures that your samples have never gone out of the set temperature range.

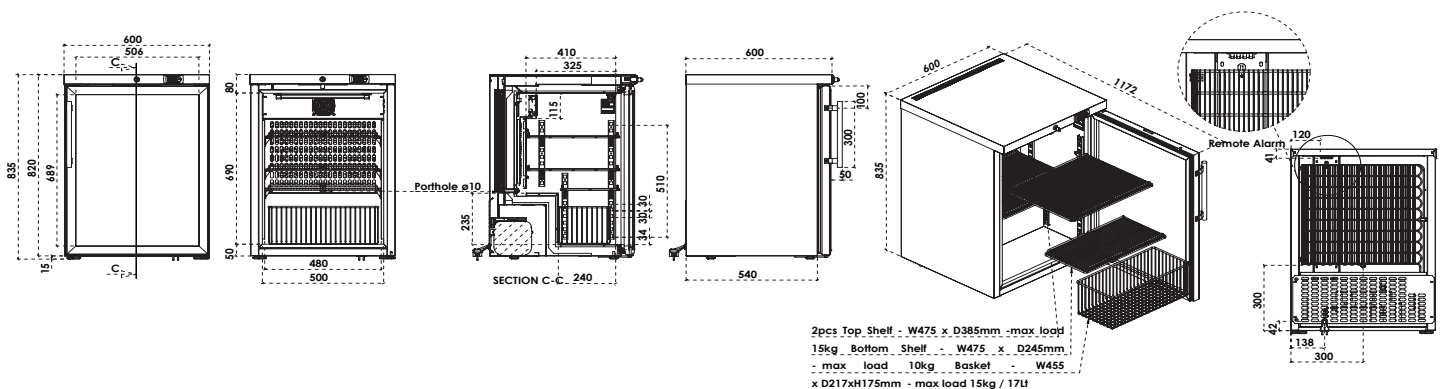
FLEXIBLE STORAGE

The FLEXA range offers a great level of flexibility and covering a large spectrum of different storage needs. The shelves in the FLEXA range are specially designed for easy adjustments in order to offer the best flexibility for your storage needs. This allows the user to organize their unit exactly as desired.

OPTIONAL ACCESSORIES

SVS voltage stabilizer
GSM alarm module
Shelves
Basket

MAIN DIMENSION FOR PRE 120



*All measurements in mm



The Carel controller features, among others, visual and acoustic alarm, high/low temperature alarm and open door alarm



Lock is a standard feature in our FLEXA line for optimal security



The shelves in the new FLEXA models are easy adjustable in order to offer best flexibility for your storage needs



All models in our new FLEXA range feature LED lighting offering long time durability and lowest possible operating cost

UNIT INFORMATION

Item code	DAI 6040
Dimensions exterior WxDxH (mm)	600x600x835
Controller (name)	Carel
Capacity (L)	117
Dimensions interior WxDxH (mm)	480x410/240x690
Insulation (mm)	50
Temperature range (°C)	+2/ +8
Max. ambient temperature (°C)	32
Cooling technology	Air forced cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	1,2
AMP (A)	0,5
Power (Watt)	107
Horse power (HP)	1/6
Battery backup for alarms and temperature display in the event of power cut (approx hours)	no
ALARM FUNCTIONS	
Alarm display as text - not codes	no
Visual / Acoustic alarm	yes
Power failure alarm	no
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	no
Compressor alarm	no
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	no
RS 232 interface	no
USB for software upload	no
USB readout for logged data	no
Chart recorder	no
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	yes
2 extra probes can be mounted inside	no
Password protection for turning unit on/off	no
Temperature graph on display	no
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter	11
Temperature sensor	NTC
Lighting	yes
Key lock / Card lock	yes / no
Castors / with break in front	2 small back / no
Shelves (pcs.) / drawers (pcs.)	2+1 / no
Adjustable shelves (pcs.) / drawers (pcs.)	3 / no
Max load per shelf	2 - 15kg & 1 - 10
Vacuum release port	1
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	yes
Reversible doors (pcs.)	yes
REFRIGERATION & CABINET	
No. of compressors	1
Refrigerant	R600a
Inner liner material	Coated steel
Cabinet material	Ccoated steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	51
Shipping weight (KG)	59
Shipping dimensions WxDxH (cm)	61,2x80x99,5
Shipping volume (m³)	0,49

labmodul
Designing safety

+2/+8°C
BIOMEDICAL FLEXA RANGE



LRE 440

A STABLE RUNNING UNIT THAT OFFERS A GREAT LEVEL OF FLEXIBILITY
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EXTRA SECURITY

The FLEXA range has multiple safety features as standard. The range comes with a built-in lock to restrict access to the stored samples. Besides the physical security features, the FLEXA range comes with electronic safety features. The temperature display has a high/low temperature audio and visual alarms along with a door open alarm. The controller records the minimum and maximum temperature since the last reset, and this ensures that your samples have never gone out of the set temperature range.

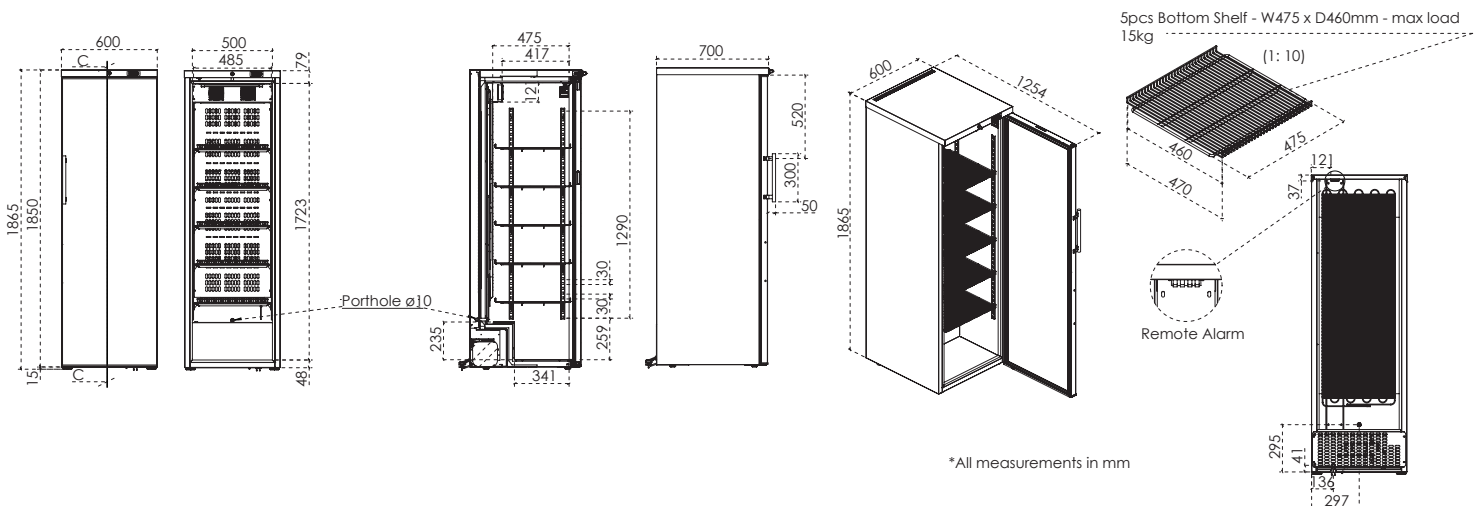
FLEXIBLE STORAGE

The FLEXA range offers a great level of flexibility and covering a large spectrum of different storage needs. The shelves in the FLEXA range are specially designed for easy adjustments in order to offer the best flexibility for your storage needs. This allows the user to organize their unit exactly as desired.

OPTIONAL ACCESSORIES

SVS voltage stabilizer
GSM alarm module
Shelves
Basket

MAIN DIMENSION FOR LRE 440





The Carel controller features, among others, visual and acoustic alarm, high/low temperature alarm and open door alarm.



Lock is a standard feature in our FLEXA line for optimal security



The shelves in the new FLEXA models are easy adjustable in order to offer best flexibility for your storage needs



All models in our new FLEXA range feature LED lighting offering long time durability and lowest possible operating cost

UNIT INFORMATIO

Item code	DAI 6025
Dimensions exterior WxDxH (mm)	600x700x1865
Controller (name)	Carel
Capacity (L)	437
Dimensions interior WxDxH (mm)	475x500/341x1723
Insulation (mm)	50
Temperature range (°C)	+2/ +8
Max. ambient temperature (°C)	32
Cooling technology	Air forced cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	1,9
AMP (A)	0,9
Power (Watt)	168
Horse power (HP)	1/4
Battery backup for alarms and temperature display in the event of power cut (approx hours)	no
ALARM FUNCTIONS	
Alarm display as text - not codes	no
Visual / Acoustic alarm	yes
Power failure alarm	no
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	no
Compressor alarm	no
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	no
RS 232 interface	no
USB for software upload	no
USB readout for logged data	no
Chart recorder	no
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	yes
2 extra probes can be mounted inside	no
Password protection for turning unit on/off	no
Temperature graph on display	no
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter	11
Temperature sensor	NTC
Lighting	yes
Key lock / Card lock	yes / no
Castors / with break in front	4 small / no
Shelves (pcs.) / drawers (pcs.)	5
Adjustable shelves (pcs.) / drawers (pcs.)	5
Max load per shelf	15kg
Vacuum release port	1
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	yes
Reversible doors (pcs.)	yes
REFRIGERATION & CABINET	
No. of compressors	1
Refrigerant	R600a
Inner liner material	Coated steel
Cabinet material	Ccoated steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	93
Shipping weight (KG)	103
Shipping dimensions WxDxH (cm)	62x73x202,5
Shipping volume (m³)	0,92



LRE 120

A STABLE RUNNING UNIT THAT OFFERS A GREAT LEVEL OF FLEXIBILITY
THE FLEXA RANGE OFFERS AIR FORCED COOLING FOR HIGH TEMPERATURE STABILITY AND QUICK TEMPERATURE RECOVERY AFTER DOOR OPENINGS.

EXTRA SECURITY

The FLEXA range has multiple safety features as standard. The range comes with a built-in lock to restrict access to the stored samples. Besides the physical security features, the FLEXA range comes with electronic safety features. The temperature display has a high/low temperature audio and visual alarms along with a door open alarm. The controller records the minimum and maximum temperature since the last reset, and this ensures that your samples have never gone out of the set temperature range.

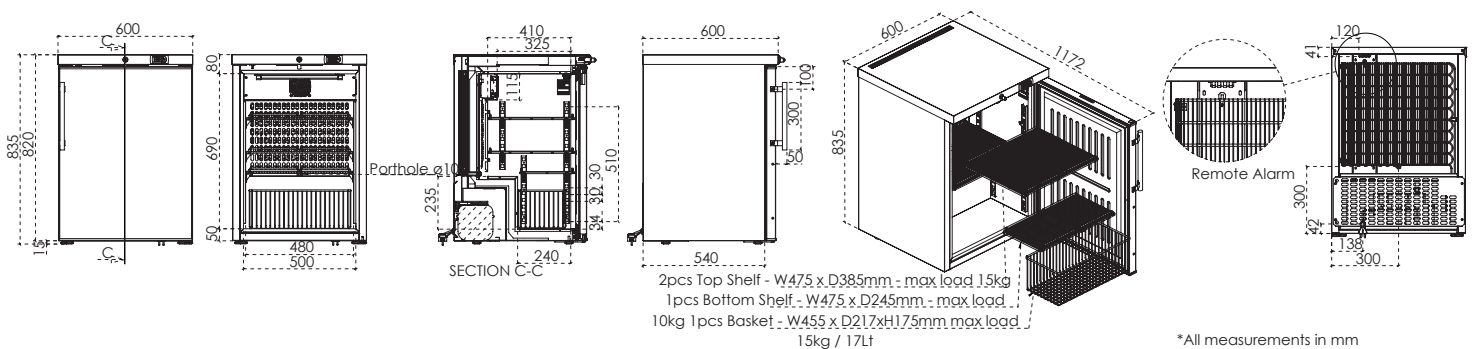
FLEXIBLE STORAGE

The FLEXA range offers a great level of flexibility and covering a large spectrum of different storage needs. The shelves in the FLEXA range are specially designed for easy adjustments in order to offer the best flexibility for your storage needs. This allows the user to organize their unit exactly as desired.

OPTIONAL ACCESSORIES

SVS voltage stabilizer
GSM alarm module
Shelves
Basket

MAIN DIMENSION FOR LRE 120





The Carel controller features, among others, visual and acoustic alarm, high/low temperature alarm and open door alarm.



Lock is a standard feature in our FLEXA line for optimal security



The shelves in the new FLEXA models are easy adjustable in order to offer best flexibility for your storage needs



All models in our new FLEXA range feature LED lighting offering long time durability and lowest possible operating cost

UNIT INFORMATION

Item code	DAI 6020
Dimensions exterior WxDxH (mm)	600x600x835
Controller (name)	Carel
Capacity (L)	117
Dimensions interior WxDxH (mm)	480x410/240x690
Insulation (mm)	50
Temperature range (°C)	+2/ +8
Max. ambient temperature (°C)	32
Cooling technology	Air forced cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	0,9
AMP (A)	0,5
Power (Watt)	107
Horse power (HP)	1/6
Battery backup for alarms and temperature display in the event of power cut (approx hours)	no
ALARM FUNCTIONS	
Alarm display as text - not codes	no
Visual / Acoustic alarm	yes
Power failure alarm	no
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	no
Compressor alarm	no
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	no
RS 232 interface	no
USB for software upload	no
USB readout for logged data	no
Chart recorder	no
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	yes
2 extra probes can be mounted inside	no
Password protection for turning unit on/off	no
Temperature graph on display	no
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter	11
Temperature sensor	NTC
Lighting	yes
Key lock / Card lock	yes / no
Castors / with break in front	2 small back / no
Shelves (pcs.) / drawers (pcs.)	2+1 / no
Adjustable shelves (pcs.) / drawers (pcs.)	3 / no
Max load per shelf	2 - 15kg & 1 - 10
Vacuum release port	1
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	yes
Reversible doors (pcs.)	yes
REFRIGERATION & CABINET	
No. of compressors	1
Refrigerant	R600a
Inner liner material	Coated steel
Cabinet material	Coated steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	51
Shipping weight (KG)	59
Shipping dimensions WxDxH (cm)	61,2x80x99,5
Shipping volume (m³)	0,49



LFE 360

A STABLE RUNNING UNIT THAT OFFERS A GREAT LEVEL OF FLEXIBILITY
THE FLEXA RANGE OFFERS STATIC COOLING FOR HIGH TEMPERATURE STABILITY AND QUICK TEMPERATURE RECOVERY AFTER DOOR OPENINGS.

EXTRA SECURITY

The FLEXA range has multiple safety features as standard. The range comes with a built-in lock to restrict access to the stored samples. Besides the physical security features, the FLEXA range comes with electronic safety features. The temperature display has a high/low temperature audio and visual alarms along with a door open alarm. The controller records the minimum and maximum temperature since the last reset, and this ensures that your samples have never gone out of the set temperature range.

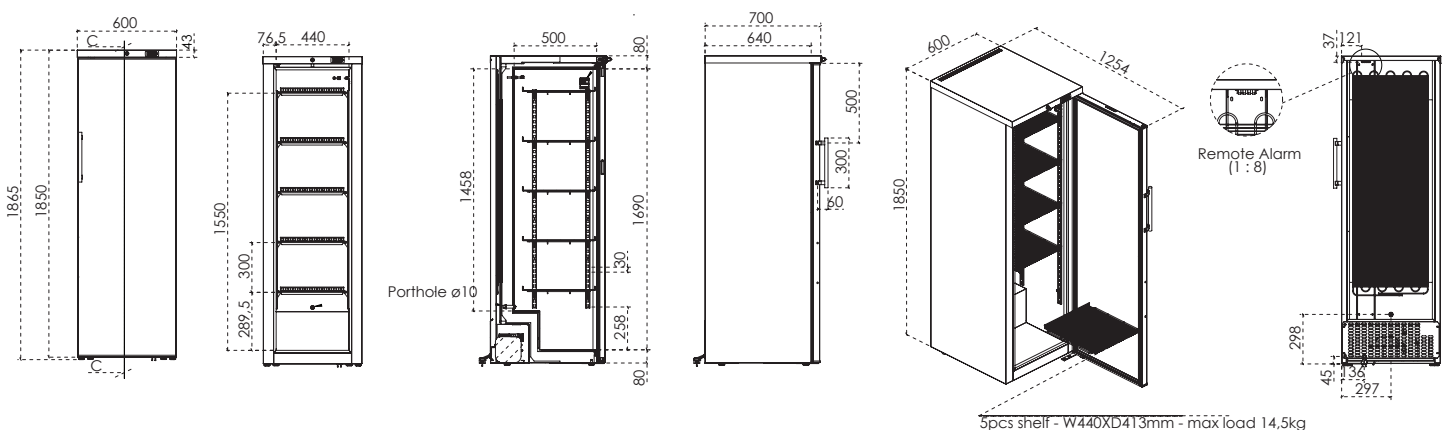
FLEXIBLE STORAGE

The FLEXA range offers a great level of flexibility and covering a large spectrum of different storage needs. The shelves in the FLEXA range are specially designed for easy adjustments in order to offer the best flexibility for your storage needs. This allows the user to organize their unit exactly as desired.

OPTIONAL ACCESSORIES

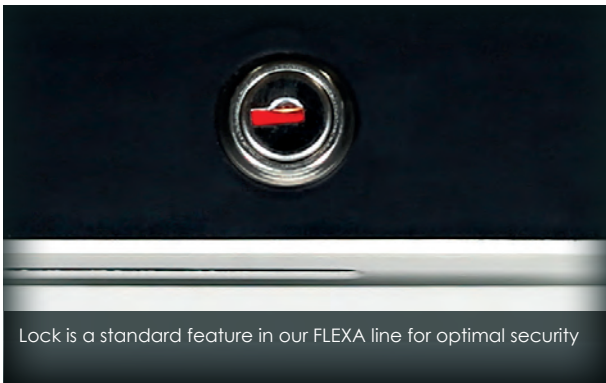
- SVS voltage stabilizer
- GSM alarm module
- Shelves
- Basket

MAIN DIMENSION FOR LFE 360





The Carel controller features, among others, visual and acoustic alarm, high/low temperature alarm and open door alarm.



Lock is a standard feature in our FLEXA line for optimal security



The shelves in the new FLEXA models are easy adjustable in order to offer best flexibility for your storage needs



All models in our new FLEXA range feature LED lighting offering long time durability and lowest possible operating cost

UNIT INFORMATION

Item code	DAI 6000
Dimensions exterior WxDxH (mm)	600x700x1865
Controller (name)	Carel
Capacity (L)	356
Dimensions interior WxDxH (mm)	440x500/311x1690
Insulation (mm)	80
Temperature range (°C)	-15/ -25
Max. ambient temperature (°C)	32
Cooling technology	Static cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	TBA
AMP (A)	TBA
Power (Watt)	TBA
Horse power (HP)	TBA
Battery backup for alarms and temperature display in the event of power cut (approx hours)	no
ALARM FUNCTIONS	
Alarm display as text - not codes	no
Visual / Acoustic alarm	yes
Power failure alarm	no
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	no
Compressor alarm	no
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	no
RS 232 interface	no
USB for software upload	no
USB readout for logged data	no
Chart recorder	no
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	manual
2 extra probes can be mounted inside	no
Password protection for turning unit on/off	no
Temperature graph on display	no
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter	11
Temperature sensor	NTC
Lighting	no
Key lock / Card lock	yes / no
Castors / with break in front	4 small / no
Shelves (pcs.) / drawers (pcs.)	5
Adjustable shelves (pcs.) / drawers (pcs.)	5
Max load per shelf	14,5kg
Vacuum release port	no
Basket (pcs.)	1
Sub lids / sub doors (pcs.)	no
Reversible doors (pcs.)	yes
REFRIGERATION & CABINET	
No. of compressors	1
Refrigerant	R290
Inner liner material	Coated steel
Cabinet material	Coated steel
Colour (exterior)	White
Foam agent	Polyurethane
SHIPPING	
Weight (KG)	TBA
Shipping weight (KG)	TBA
Shipping dimensions WxDxH (cm)	62x73x202,5
Shipping volume (m³)	0,92

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Designing safety

-90° C
INTEGRA LINE



ULUF P390

HIGHLY RELIABLE ULTRA LOW FREEZER WITH DOUBLE SECURITY.

ULUF P390 FREEZERS COMES WITH DUAL COOLING TECHNOLOGY THAT OFFERS THE HIGHEST LEVEL OF SECURITY FOR YOUR VALUABLE SAMPLES.



**NOISE
REDUCTION
TECHNOLOGY**



**DUAL
COOLING
SYSTEM**



**VACUUM
INSULATED
PANELS**



**AIRFLOW
CONTROL**

WORKING ENVIRONMENT

The INTEGRA range helps provide a pleasant work environment where they are installed by placing the compressor and other heat and noise generating components on top of the unit, rather than the bottom. By placing the components on top of the freezer, there is never a compartment that you will have difficulties overlooking or using fully. Ensuring an ergonomically correct unit, which is easy and pleasant to use on a day-to-day basis. We are also able to reduce the noise level to only 49 dBA with our Noise Reduction Technology, ensuring a pleasant work environment.

RELIABLE AND ENERGY EFFICIENT

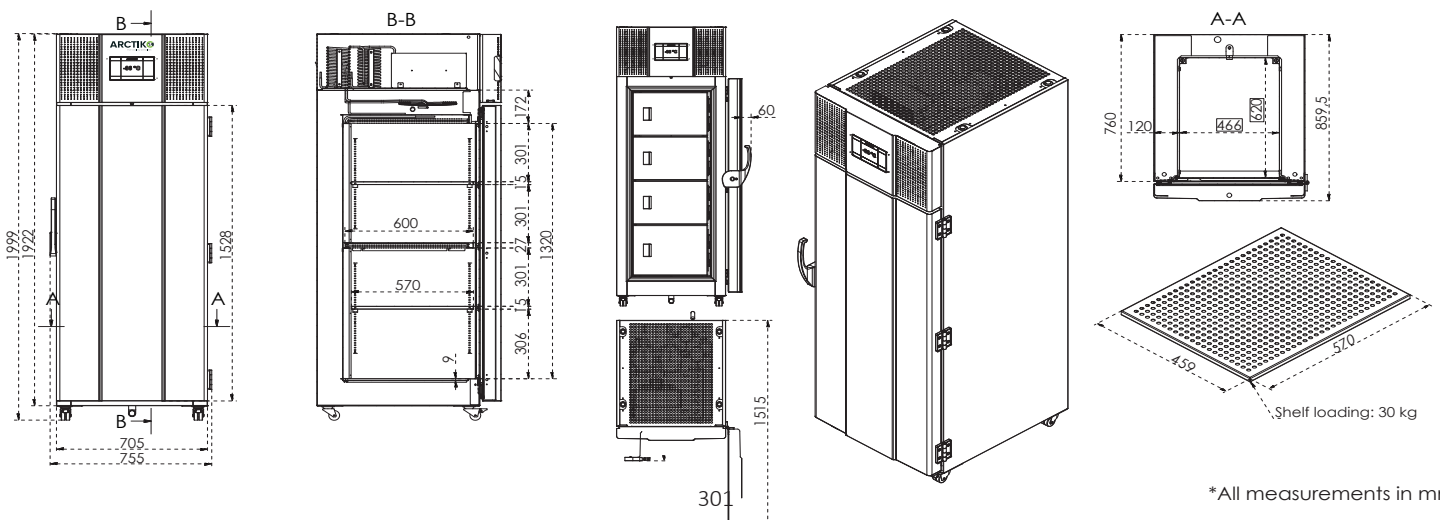
The INTEGRA range is developed with our advanced technologies and with the best components to secure the best performance. Besides of the regular polyurethane foam the INTEGRA range has a layer of vacuum insulated panels (VIP), that provides an even better insulating effect, this helps provide a stable cooling performance while also lowering the energy consumption. Our filter less construction makes cleaning unnecessary. With our compressors located on top, the dust intake is minimal - eliminating the need for filters entirely, saving you maintenance time and cost.

ULTIMATE SAMPLE PROTECTION

The dual cooling system is standard in the new INTEGRA range, offering great advantages.

In the event of any failure on one of the cooling systems, the other system will still maintain the temperature of -80°C meaning your valuable samples at all times are stored with best possible security.

MAIN DIMENSION FOR ULUF P390

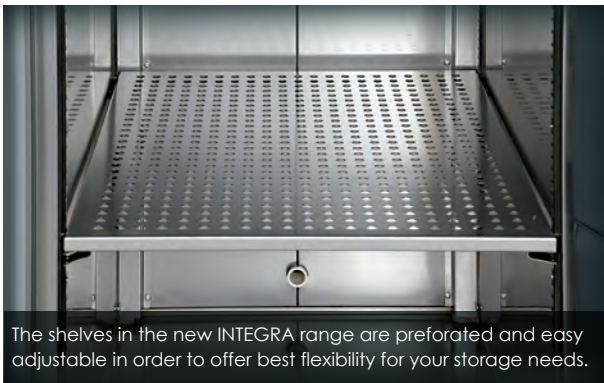




The sublids are all easy detachable to ease and speed up the cleaning process.



The new developed V700 controller comes as standard on the new INTEGRA range.



The shelves in the new INTEGRA range are perforated and easy adjustable in order to offer best flexibility for your storage needs.

OPTIONAL ACCESSORIES

CO2 backup
 Chart recorder
 SVS voltage
 stabilizer GSM
 alarm module
 Racks & boxes
 Cryo gloves
 Drawer systems
 Modbus adapter

UNIT INFORMATION

Item code	DAI 1800
Dimensions exterior WxDxH (mm)	705x860x1999
Controller (name)	V700
Capacity (L)	381
Dimensions interior WxDxH (mm)	466x600x1320
Insulation (mm)	120
Temperature range (°C)	-90/ -40
Max. ambient temperature (°C)	25
Cooling technology	Dual cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	14,9
AMP (A)	8,6
Power (Watt)	1152
Horse power (HP)	2 x 3/4
Battery backup for alarms and temperature display in the event of power cut (approx hours)	72 hours
ALARM FUNCTIONS	
Alarm display as text - not codes	yes
Visual / Acoustic alarm	yes
Power failure alarm	yes
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	yes
Compressor alarm	yes
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	yes
RS 232 interface	yes
USB for software upload	yes
USB readout for logged data	yes
Chart recorder	optional
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	manual
2 extra probes can be mounted inside	yes
Password protection for turning unit on/off	yes
Temperature graph on display	yes
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter (mm)	ø10
Temperature sensor	PT100
Lighting	yes
Key lock / Card lock	yes / optional
Castors / with break in front	yes / yes
Shelves (pcs.) / drawers (pcs.)	3 / no
Adjustable shelves (pcs.) / drawers (pcs.)	2 / no
Max load per shelf	30kg
Vacuum release port	yes
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	no / 4
Reversible doors (pcs.)	no
REFRIGERATION & CABINET	
No. of compressors	2
Refrigerant	EP88
Inner liner material	stainless steel
Cabinet material	varnished steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	180
Shipping weight (KG)	250
Shipping dimensions WxDxH (cm)	84x127x223
Shipping volume (m³)	2,38

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-90° C
INTEGRA LINE



ULUF P500

HIGHLY RELIABLE ULTRA LOW FREEZER WITH DOUBLE SECURITY.

ULUF P500 FREEZERS COMES WITH DUAL COOLING TECHNOLOGY THAT OFFERS THE HIGHEST LEVEL OF SECURITY FOR YOUR VALUABLE SAMPLES.



NOISE
REDUCTION
TECHNOLOGY



DUAL
COOLING
SYSTEM



VACUUM
INSULATED
PANELS



AIRFLOW
CONTROL

WORKING ENVIRONMENT

The INTEGRA range helps provide a pleasant work environment where they are installed by placing the compressor and other heat and noise generating components on top of the unit, rather than the bottom. By placing the components on top of the freezer, there is never a compartment that you will have difficulties overlooking or using fully. Ensuring an ergonomically correct unit, which is easy and pleasant to use on a day-to-day basis. We are also able to reduce the noise level to only 49 dBA with our Noise Reduction Technology, ensuring a pleasant work environment.

RELIABLE AND ENERGY EFFICIENT

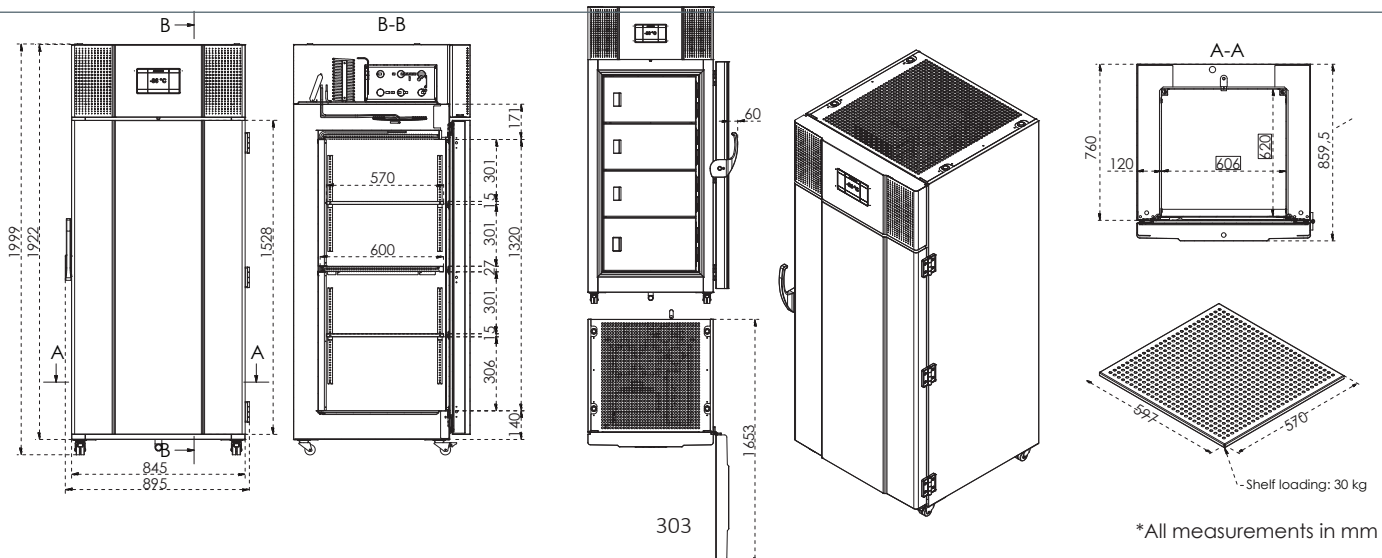
The INTEGRA range is developed with our advanced technologies and with the best components to secure the best performance. Besides of the regular polyurethane foam the INTEGRA range has a layer of vacuum insulated panels (VIP), that provides an even better insulating effect, this helps provide a stable cooling performance while also lowering the energy consumption. Our filter less construction makes cleaning unnecessary. With our compressors located on top, the dust intake is minimal - eliminating the need for filters entirely, saving you maintenance time and cost.

ULTIMATE SAMPLE PROTECTION

The dual cooling system is standard in the new INTEGRA range, offering great advantages.

In the event of any failure on one of the cooling systems, the other system will still maintain the temperature of -80°C meaning your valuable samples at all times are stored with best possible security.

MAIN DIMENSION FOR ULUF P500

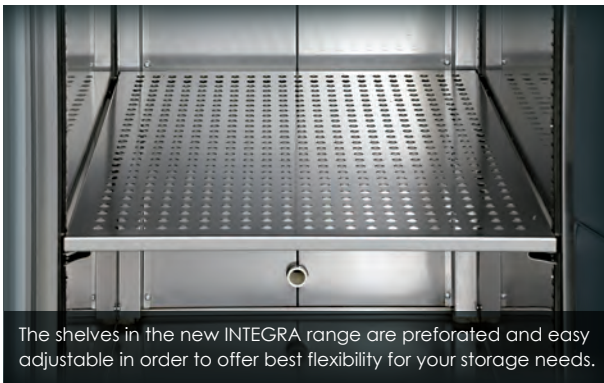




The sublids are all easy detachable to ease and speed up the cleaning process.



The new developed V700 controller comes as standard on the new INTEGRA range.



The shelves in the new INTEGRA range are perforated and easy adjustable in order to offer best flexibility for your storage needs.

OPTIONAL ACCESSORIES

- CO2 backup
- Chart recorder
- SVS voltage stabilizer
- GSM alarm module
- Racks & boxes
- Cryo gloves
- Drawer systems
- Modbus adapter

UNIT INFORMATION

Item code	DAI 1805
Dimensions exterior WxDxH (mm)	895x860x1999
Controller (name)	V700
Capacity (L)	496
Dimensions interior WxDxH (mm)	606x600x1320
Insulation (mm)	120
Temperature range (°C)	-90/ -40
Max. ambient temperature (°C)	25
Cooling technology	Dual cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	15,4
AMP (A)	TBA
Power (Watt)	TBA
Horse power (HP)	2 x 3/4
Battery backup for alarms and temperature display in the event of power cut (approx hours)	72 hours
ALARM FUNCTIONS	
Alarm display as text - not codes	yes
Visual / Acoustic alarm	yes
Power failure alarm	yes
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	yes
Compressor alarm	yes
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	yes
RS 232 interface	yes
USB for software upload	yes
USB readout for logged data	yes
Chart recorder	optional
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	manual
2 extra probes can be mounted inside	yes
Password protection for turning unit on/off	yes
Temperature graph on display	yes
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter (mm)	ø10
Temperature sensor	PT100
Lighting	yes
Key lock / Card lock	yes / optional
Castors / with break in front	yes / yes
Shelves (pcs.) / drawers (pcs.)	3 / no
Adjustable shelves (pcs.) / drawers (pcs.)	2 / no
Max load per shelf	30kg
Vacuum release port	yes
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	no / 4
Reversible doors (pcs.)	no
REFRIGERATION & CABINET	
No. of compressors	2
Refrigerant	EP88
Inner liner material	stainless steel
Cabinet material	varnished steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	235
Shipping weight (KG)	340
Shipping dimensions WxDxH (cm)	103x127x223
Shipping volume (m³)	2,92

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-90° C
INTEGRA LINE



ULUF P820

HIGHLY RELIABLE ULTRA LOW FREEZER WITH DOUBLE SECURITY.

ULUF P820 FREEZERS COMES WITH DUAL COOLING TECHNOLOGY THAT OFFERS THE HIGHEST LEVEL OF SECURITY FOR YOUR VALUABLE SAMPLES.



**NOISE
REDUCTION
TECHNOLOGY**



**DUAL
COOLING
SYSTEM**



**VACUUM
INSULATED
PANELS**



**AIRFLOW
CONTROL**

WORKING ENVIRONMENT

The INTEGRA range helps provide a pleasant work environment where they are installed by placing the compressor and other heat and noise generating components on top of the unit, rather than the bottom. By placing the components on top of the freezer, there is never a compartment that you will have difficulties overlooking or using fully. Ensuring an ergonomically correct unit, which is easy and pleasant to use on a day-to-day basis. We are also able to reduce the noise level to only 49 dBA with our Noise Reduction Technology, ensuring a pleasant work environment.

RELIABLE AND ENERGY EFFICIENT

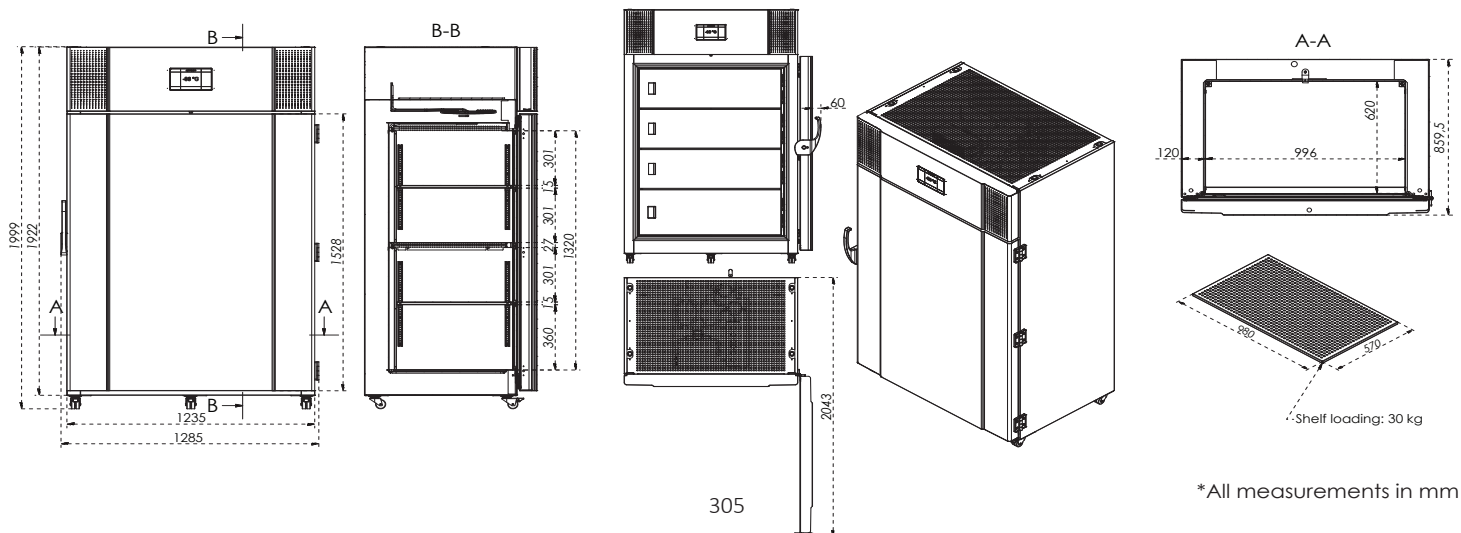
The INTEGRA range is developed with our advanced technologies and with the best components to secure the best performance. Besides of the regular polyurethane foam the INTEGRA range has a layer of vacuum insulated panels (VIP), that provides an even better insulating effect, this helps provide a stable cooling performance while also lowering the energy consumption. Our filter less construction makes cleaning unnecessary. With our compressors located on top, the dust intake is minimal - eliminating the need for filters entirely, saving you maintenance time and cost.

ULTIMATE SAMPLE PROTECTION

The dual cooling system is standard in the new INTEGRA range, offering great advantages.

In the event of any failure on one of the cooling systems, the other system will still maintain the temperature of -80°C meaning your valuable samples at all times are stored with best possible security.

MAIN DIMENSION FOR ULUF P820





The sublids are all easy detachable to ease and speed up the cleaning process.



The new developed V700 controller comes as standard on the new INTEGRA range.



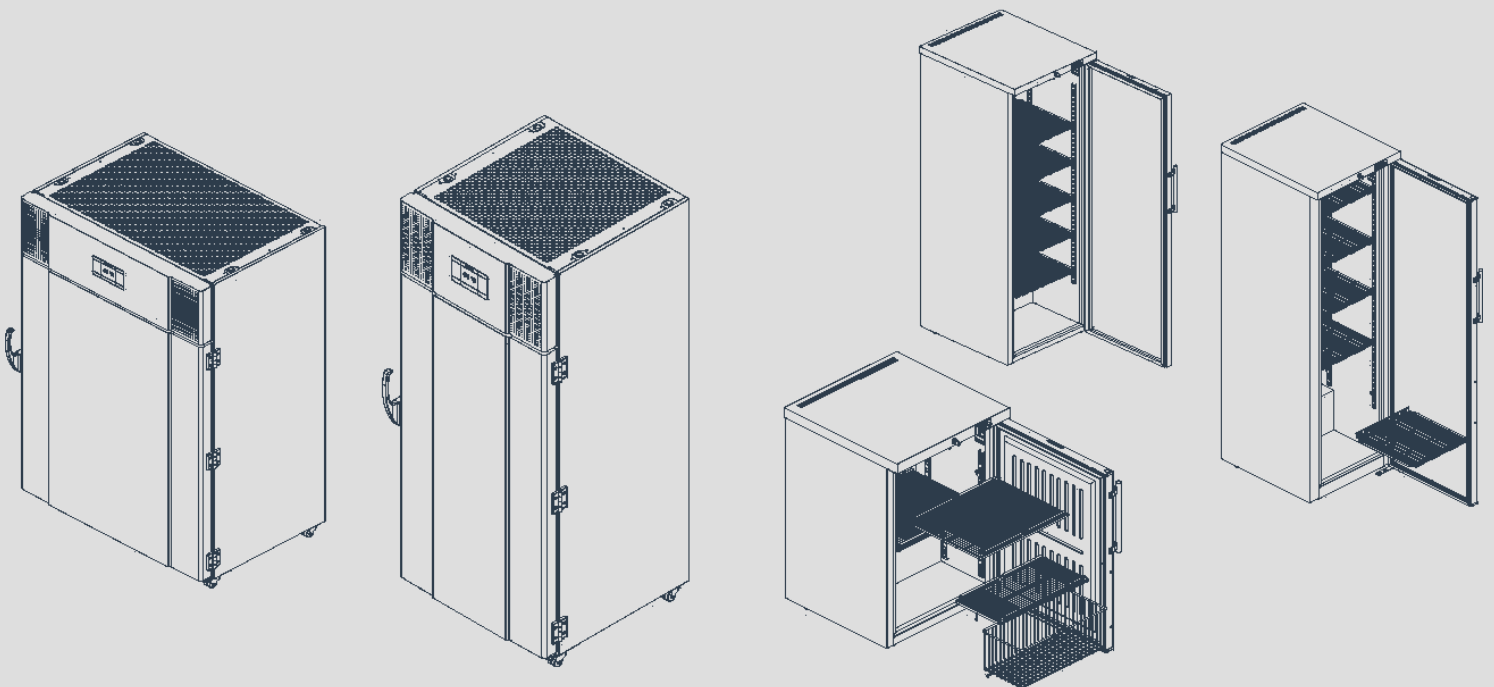
The shelves in the new INTEGRA range are perforated and easy adjustable in order to offer best flexibility for your storage needs.

OPTIONAL ACCESSORIES

- CO2 backup
- Chart recorder
- SVS voltage stabilizer
- GSM alarm module
- Racks & boxes
- Cryo gloves
- Drawer systems
- Modbus adapter

UNIT INFORMATION

Item code	DAI 1815
Dimensions exterior WxDxH (mm)	1285x860x1999
Controller (name)	V700
Capacity (L)	815
Dimensions interior WxDxH (mm)	996x600x1320
Insulation (mm)	120
Temperature range (°C)	+1/ +13
Max. ambient temperature (°C)	25
Cooling technology	Dual cooling
POWER	
Power supply (V)	230
Frequency (Hz)	50/60
Power consumption (KWH/24H)	18,7
AMP (A)	9,6
Power (Watt)	1181
Horse power (HP)	2 x 3/4
Battery backup for alarms and temperature display in the event of power cut (approx hours)	72 hours
ALARM FUNCTIONS	
Alarm display as text - not codes	yes
Visual / Acoustic alarm	yes
Power failure alarm	yes
Adjustable high/low temperature alarm	yes
Open door alarm	yes
Probe failure alarm	yes
Low battery alarm	yes
Compressor alarm	yes
LOGGER & EXT. CONNECTION	
Contact for remote alarm	yes
Prepared for GSM alarm module	yes
Data logger	yes
RS 232 interface	yes
USB for software upload	yes
USB readout for logged data	yes
Chart recorder	optional
DISPLAY FEATURES	
Digital display	yes
Defrost manual / auto	manual
2 extra probes can be mounted inside	yes
Password protection for turning unit on/off	yes
Temperature graph on display	yes
OTHER EQUIPMENT	
Porthole for external probe etc.	yes
Porthole position	back
Porthole diameter (mm)	ø10
Temperature sensor	PT100
Lighting	yes
Key lock / Card lock	yes / optional
Castors / with break in front	yes / yes
Shelves (pcs.) / drawers (pcs.)	3 / no
Adjustable shelves (pcs.) / drawers (pcs.)	2 / no
Max load per shelf	30kg
Vacuum release port	yes
Basket (pcs.)	no
Sub lids / sub doors (pcs.)	no / 4
Reversible doors (pcs.)	no
REFRIGERATION & CABINET	
No. of compressors	2
Refrigerant	EP88
Inner liner material	stainless steel
Cabinet material	varnished steel
Colour (exterior)	white
Foam agent	polyurethane
SHIPPING	
Weight (KG)	317
Shipping weight (KG)	482
Shipping dimensions WxDxH (cm)	142x127x223
Shipping volume (m³)	4,03





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GREENLINE BASIC

WOLDFREI KLEBEN
KEIN SAUGEN
KEIN CLOSING

UBI

ascos

EN 16470-1

90



LAB CHAIRS



LABMODUL LAB CHAIRS

- ┌ Intelligent Flex function
- ┌ Ergonomics and comfort features
- ┌ Hygienic
- ┌ 3D-Flex function
- ┌ Easy to clean
- ┌ Light weight

Good solutions are always characterized by intelligence and simplicity. The characteristics of innovation, in general, are no less relevant to the chair on which these innovations are based. The lab chair is the new chair for all kinds of laboratories. Its intelligent Flex function offers comfort and laboratory ergonomics with minimal adjustments required. It has all the properties required for laboratory work and, at the same time, it is light, universally applicable and unbeatable in terms of price and performance. To put it simply

The best adjustment is one you don't need to make.

Thanks to its innovative Flex functions, the lab chair is perfectly suited for laboratory work and therefore offers intuitively good seating.



Hygienic, flexible, compact – in no other working environment will you find requirements as strict as those in the laboratory. Laboratory chairs from Labmodul not only adapt to the postures typically found in this area, i.e. the forward-leaning position at the microscope, they also boast hygienic design and compact construction.

They can also be flexibly adjusted without confusion. These are seating solutions that thus adapt perfectly to the special challenges faced by laboratory workers.

How do you sit in the world's most innovative location? The demands on laboratory facilities are constantly increasing: hygiene issues, space requirements, ergonomics, comfort, design and technical qualities are all challenges which a laboratory chair has to overcome in the modern working environment. Our chair can do all this with its supreme light-weight design.

How do you sit in the world's most innovative location? The demands on laboratory facilities are constantly increasing: hygiene issues, space requirements, ergonomics, comfort, design and technical qualities are all challenges which a laboratory chair has to overcome in the modern working environment. This lab stool can do all this with its supreme light-weight design.



- modern, laboratory-suited design
- robust and light
- very economical
- ergonomic and comfortable
- innovative Flex functions
- intuitive handling
- hygienic design
- minimal joints and positive-locking
- resistant to disinfectants
- electrostatically dissipative (optional)
- anti-bacterial upholstery
- large range of colours
- 10 year guarantee – including on gas pressure springs



- universities, training rooms, institutes
- medicine, diagnostics
- chemistry, pharmaceuticals, biotech, life sciences
- environmental and food technology
- research, development, quality assurance
- laboratories with ESD requirements
- production large range of colours work environments



3D-FLEX FUNCTION OF THE BACKREST

The Lab stool backrest has a 3D-Flex function. It adapts to the movements of the user and therefore follows the upper body when leaning back or turning sideways. This ensures a dynamic seating position and provides optimal support for the body in any position.



INTUITIVE HANDLING

This lab stool automatically adapts to the body with its Flex function. There is no need for complicated adjustment levers. Only the height of the seat needs to be adjusted. This makes the stool a self-explanatory chair and ensures that its ergonomic functions are properly used.



FLEX FUNCTION ON THE FRONT EDGE OF THE SEAT

The front edge of the seat automatically follows the forward-angled working position of the body, which is typical for laboratory work. This ensures optimal blood circulation and effectively prevents pressure pain and dead legs. It therefore provides exceptional comfort and optimal ergonomics.



SEATING COMFORT

The lab stool wins you over from the very first impression. In addition to the Flex function, an extra thick upholstery provides the comfort of deep seating. It brings seating comfort to the laboratory.



Colors: Blue, anthracite, white, orange and green.



This lab stool is on hand wherever you need it. It is the uncomplicated solution for short periods of sitting. However the labmodul lab stool is in no way inferior to the swivel chair when it comes to laboratory suitability. It is washable, resistant to disinfectants and robust. The PU-foam upholstery is very comfortable.



SIMPLE, ECONOMIC, VERSATILE

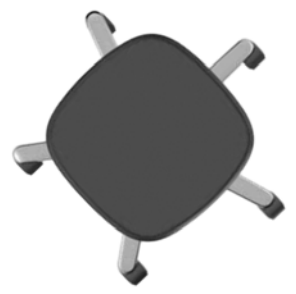
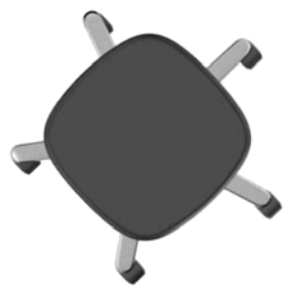
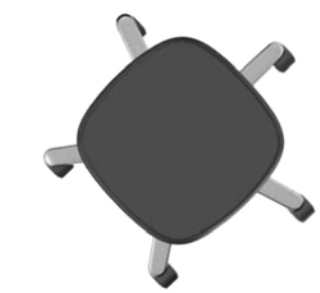
Working in a laboratory is not always about concentrating for long periods of time. Often it may involve simply preparing a sample or loading a machine. The lab stool plays a key role in comfortable working in these situations.

ORGANIC FORM

The surface of the seat is designed to offer maximum space. The user can sit on the stool in any direction.

RELEASE

The Labsit lab stool is infinitely height-adjustable. It can be easily operated using the rotating release ring.



- Space-saving
- Self-explanatory and simple
- Flexible use
- Ideal for short periods of sitting
- Easy to store



Perfect for every workplace

A perfect system is characterised by the fact that it has the right solution for every requirement. This is because the LCB9011 series has been conceived as a seating system. Apart from LCB9012 and LCB9013, the stool and standing aid guarantee that you receive optimum support at every workplace.

Everything fits with this system: for example, the round base of the stool into the star base of the chair. So that two specialists share the space of one.

LCB9011 series puts an end to compromises between sitting and standing in the laboratory and offers the right solution for every single working situation.

Color: Black, blue, grey, red, mint and white.





Perfect balance with optimum ease of operation.

The essence of healthy sitting is dynamic sitting. With the uniquely adjustable Balance mechanism the saddle moves subtly along with your movements. These 'micro' movements of your pelvis ensure that muscle groups and intervertebral discs are not constantly under severe static strain. This prevents pain, helps you maintain your working posture longer, and exercises your core muscles. The degree of movement of the Balance mechanism can be set to your own preference, and can be adjusted by rotating the ring.

The LCS5001 series Seamless saddle stool has anatomically shaped saddle that tilts the pelvis and ensures a healthy and relaxed back posture. The advantage of the seamless version is that dirt can't accumulate in the seams.

The seat can be upholstered in Stamskin or PUxx, both of which have antibacterial properties. A unique characteristic of PUxx is that it can be cleaned with Isopropyl alcohol and that offers a solution when it comes to workplaces such as the medical field where high demands are placed on hygiene. The Jumper is a wider version of the Amazone and is available in different heights.

Colors: Bright green, bright red, orange, turquoise, light blue, dark blue, antracite, gray, black, green/antracite and mix color combinations.



Jumper

The Jumper has a wider seat, resulting in a slightly smaller hip angle than the Amazone. A larger part of your body weight rests on the seat. This gives the Jumper seat a more traditional sitting experience.

Amazone

The shape of the Amazone's seat facilitates the most open hip angle. Your weight is divided evenly across the seat and the floor. The Amazone seat strikes the best possible balance between the control and healthy posture of 'standing', and the comfort of 'sitting'.





Steady stool for frequent sitting and standing.

The LCS5011 series provide the solution for work that requires frequent changes between sitting and standing. They are also ideal for workplaces where there is a lack of leg space.

In order to work comfortably and without strain, your sit stand stool should be adjusted to the desired working height. Thus, you find the beautifully designed "Steady" in many museums, including the famous "National Museum" in Amsterdam. With the adjustable seat and the handy footrest (foldable), the "Steady" can be used for support in a standing position as well as being a comfortable seat.

Color: Black





So much more than something that catches the eye in the office.

The LCI1011 series stool is the archetypal form of all seating, the first introduction to the world of seating. It stylishly unites opposites, it stands for both tranquillity and action, for concentration and movement. You feel freer when you sit on a stool; always ready to jump up with the next new idea. This makes the other contrasting expectations all the greater.

It must be flexible enough to enable people to have spontaneous conversations while at the same time providing great practical features and design. So the LCI1011 series – bridge element in three different sizes adapts perfectly to any room situation, and thanks to the full range of electrification options, creates the ideal basis for discussion at any time.

In terms of design, LCI1011 series effortlessly adapts itself to any space. All the wooden elements are available in black, white, oak or American walnut. All this means that bar stools and bridge element are furniture that can be used anywhere at all, as if specially created for every office where there is a distinctive culture of dialogue.

High-quality materials characterise the charismatic appearance of the LCI1011 series. It plays with colour and touch and feel. The metal parts are available in black, brilliant silver, white or in tangibly classy blasted aluminium versions.

Color/metal parts: black, brilliant silver, white, blasted and anodised silver.



Sitting without compromise.

The LCI1001 series puts an end to difficult decisions. LCI1001 does not compromise at all, in terms of the clear and simple design, the easy-to-use functions, the reliability, or the ergonomics and comfort. LCI1001 is inviting and comfortable.

The LCI1001 office swivel chair is perfectly ergonomically equipped. Its soft upholstery and generous feeling of spaciousness make it wonderfully comfortable.

LCI1001 has many features that make working more pleasant. It adjusts perfectly to the body in every aspect and its high-performance synchronous mechanism and high quality finish, together with the integrated headrest, provide an especially comfortable experience. LCI1001 represents uncompromising seating performance, which ensures the best possible efficiency at work.

Colors: Black, red, yellow, dusty grey, Pastel blue, green, nut brown and ultramarine blue.





Solid stool with multi-purpose function.

The LCS5021 is a solid stool with a round gas lift just below the seat. The seat can be furnished with Beech, PU (polyurethane) or Stamskin. All are easy to clean. Additionally, polyurethane is resistant to various chemical substances and Stamskin has antibacterial properties and is also resistant to urine, blood, sweat and mildew and is water repellent.

To support your feet, the LCS5021 features a footring that is adjustable in height. Equipped with an aluminium base that is 70 cm in diameter.

- ◆ Height adjustment 58-83 cm
- ◆ Work surface Height 90-100 cm
- ◆ Adjustable footring \varnothing 54 cm



Labsit 9123
Seating height 450 - 650 mm
With Castors
Backrest height 420 mm



Labsit 9121
Seating height 560 - 770 mm
With glides & footring
Backrest height 420 mm



Labsit 9125
Seating height 560 - 810 mm
With sit - Stop, casters & footring
Backrest height 420 mm



Labsit 9127
Seating height 450 - 650 mm
With castors
Large comfortable seat



Labster 9103
Seating height 400 - 510 mm
With Castors
Backrest height 300 mm



Labster 9101
Seating height 550 - 800 mm
With glides and footring
Backrest height 300 mm



Labster 9106
Seating height 650 - 850 mm
Standing rest



Labster 9107
Seating height 450 - 650 mm
Stool with castors



Amazon
Work surface height 800-900 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. 340 x 300mm (WxD)



Amazon with lumbar support
Work surface height 800-1000 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. 340 x 300mm (WxD)



Amazon Balance
Work surface height 800-1000 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. 340 x 300mm (WxD)



Jumper
Work surface height 800-1000 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. Seat appr. 440 x 300mm (WxD)



Jumper with lumbar support
Work surface height 800-1000 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. Seat appr. 440 x 300mm (WxD)



Amazon/Jumper ESD
Work surface height 800-900 mm With Soft Swivel castors Ø65 mm and Balance Adjustable



Jumper Balance with lumbar support
Work surface height 800-1000 mm With Soft Swivel castors. Height adjustment: 590 - 770mm. Seat appr. 440 x 300mm (WxD)

**Stahulp 232**

Height adjustment 550-800 mm
Worktop height 800-1000 mm
Steel base, black ø 600 mm

**Stahulp 2232**

Height adjustment 580-830 mm
Worktop height 800-1000 mm
Aluminum frame ø 700 mm

**Stahulp 4232**

Height adjustment 670-920 mm
Worktop height 900-1000 mm
Suitable for very little legroom

**Stahulp Steady**

Height adjustment 660-830 mm
Worktop height 900-1000 mm
Steel folding frame

**KINETICis5 700K**

Standing rest seat height
665 - 815 mm

**KINETICis5 710K**

Standing stool with
footrest seat height 665 - 815
mm

**KINETICis5 705K**

Standing stool seat height
665 - 815 mm

**YOSTERis3 152Y**

Office swivel chair
Seating height 420-530 mm
Backrest height 595-655 mm

**YOSTERis3 365Y**

Swivel armchair
Seating height 420-530 mm
Backrest height 755-815 mm

**YOSTERis3 450Y**

Visitor chair four legs with
plastic armrests
Seating height 420 mm
Backrest height 420 mm

**YOSTERis3 550Y**

Visitor chair cantilever with
plastic armrests
Seating height 425 mm
Backrest height 420 mm

Chairs for comfortable laboratories

Whether in the pharmaceuticals, biotech, chemistry, health care, clean-room, or medical technology field, Labmodul chairs are always the perfect seating solution with their healthy and hygienic design. The clever combination of material, form, and processing provides all the properties needed for use in the lab.

Good seating is an investment in the future. The quality of the workplace is one of the key factors in employee motivation. Labmodul chairs make a core contribution to this in terms of comfort and exceptional design and therefore help to achieve optimal working conditions.

Sitting on Labmodul chairs is very enjoyable. The combination of optimal laboratory suitability and intuitive handling makes this chair a real all-rounder.

The exceptional price-performance ratio ensures that every kind of laboratory can now have chairs with optimal comfort and suitability. This also makes Labmodul chairs the ideal solution when it comes to furnishing larger properties.

Labmodul chairs

ANTIBACTERIAL

Artificial leather upholstered covering with significant anti-germ effects (Sanitized)

SUITABLE FOR CLEANROOMS

For use in cleanrooms category 3 in accordance with ISO 14644-1

FREE FROM POLLUTANTS No toxins or emissions

GMP-CONFORM

Meets the specifications of the GMP regulations

MINIMAL JOINTS

Hygienic design for easy cleaning and disinfection

RESISTANT TO DISINFECTANTS AND CHEMICALS Resistant to all of the usual disinfectants and chemicals in accordance with ISO 2812 Resistant to all of the usual disinfectants and chemicals in accordance with ISO 2812

SUITABLE FOR USE IN BIOTECHNOLOGY LABORATORIES

Adheres to biosafety level BSL1, BSL2, BSL3 of the Directive for Biological Agents

GS-CERTIFIED

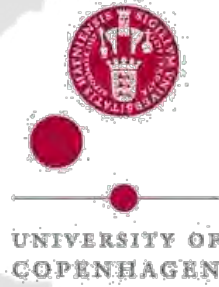
For the highest levels of safety



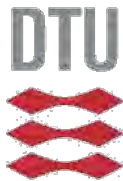








Technical
University of
Denmark



AstraZeneca



Great customer, great service.



GlaxoSmithKline



MAERSK



Herlev
Hospital



Niels Bohr Institutet









labmodul
Designing safety

Version: ★ ★ ★

LABMODUL A/S

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