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THE WORLD THAT MOVES US

... revolves around storing hazardous materials.

asecos ensures that hazardous substances are appropriately stored and safely handled in our day-to-day working life. The best possible protection of humankind and the environment is our number 1 priority. Driven by this desire, we developed **the first safety storage cabinet with 90-minute fire resistance** for the storage of flammable liquids in 1994. What was a technical revolution in the industry at that time has now become the generally accepted technical standard. asecos products combine quality, innovation and safety for one purpose: to benefit the customer.

asecos is the world's leading manufacturer of safety cabinets in accordance with the European standard EN 14470 Part 1 and Part 2. As experts in the storage, handling and extraction of hazardous materials, we offer our customers **everything from one provider**: Starting with our innovative developments, which are certified according to the highest standards, through in-depth consulting competence of our employees to production and subsequent maintenance. We combine quality and know-how with the claim to offer our customers optimal solutions for their requirements.

In this catalogue, in addition to the product range, which has the right solution

for every application, you will find helpful expertise and tips on the subject of hazardous substance storage and extraction directly from the experts. Look out for the symbol shown below on the right for a wealth of information on hazardous substances as well as relevant rules and laws.



EXPERTISE DIRECT FROM THE MANUFACTURER

Our expertise is sound, international and multimedia-based.

Benefit from our expert knowledge - wherever you are in the world. All our employees have excellent expertise in their respective fields. In Germany, for example, our consultants are

independent BDSF experts and overseas they have expertise in the local legal situation. Tailor-made and legally compliant solutions for every customer need are the result.



We are raising awareness of the dangers in handling hazardous materials

This trains and creates awareness for the routine handling of hazardous materials – for more sustainable safety in everyday work. In the asecos academy, we offer further training and seminars on the subject areas of hazardous material storage and handling. Whether basic knowledge or a special topic, whether user, planner, architect or authorised asecos specialist dealer – the asecos academy passes on well-founded expert knowledge in a practice-oriented and target group-oriented manner.

asecos World – The heart of the academy!

Visitors to the asecos world can test, refresh and expand their knowledge of hazardous materials in guided tours. Instead of dry theory, the asecos learning concept focuses on the amiable, independent acquisition of content. The asecos world's theoretical and practical offerings are vast and interactively designed.

A tour of the asecos world can be individually adapted to the respective level of knowledge of the visitor group.



OUR MEDIA OFFERING



Customised and individual

The asecos product configurator is a valuable tool. You can use the online tool to customise your own safety storage cabinet, including interior equipment, dimensions, and design – your product is then displayed and you can request an offer. Get an overview of our extensive asecos product range, and easily find the right cabinet to meet your needs.

Our online service for you

Our new product configurator provides you with technical specifications, drawings, BIM data, product images, tender texts, operating manuals, certificates, test reports and much more. Simply structured and easily accessible: At the end of each configuration, all common data formats to assist in designing your laboratory, are held ready for your use.

Discover asecos safety storage cabinets in our virtual showroom!



PROVEN SAFETY

... you can rely on.

We develop and produce our products exclusively in the German town of Gründau – our headquarters.

From here, we deliver safety storage cabinets to over 100 countries all over the world. As a reliable partner and supplier, we satisfy the highest standards in terms of technology, customer orientation and value added potential.

The quality and functionality of our products is regularly monitored and certified by the relevant testing institutes.

Safety in daily use

Safety storage cabinets from asecos are tested according to the requirements of those safety regulations in force. By successfully passing GS testing, an independent organisation documents and certifies that asecos products are tough enough and of the highest quality with the extended GS test program. The GS mark is only granted if, for example, the products under test have undergone a continuous mechanical test of 50,000 cycles without damage. The safety storage cabinets from asecos have easily proved themselves so successfully.



Our safety storage cabinets burn in the cause of safety

Every single model type of our fire-resistant safety storage cabinets from asecos must be successfully tested in a fire chamber by an independent material testing laboratory. It is thus tested according to the stringent requirements of the European standard EN 14470 Part 1 or 2 to demonstrate its fire protection rating.



On-going quality control

Production of asecos safety storage cabinets are subject to voluntary and permanent external monitoring by an accredited and independent materials testing institute. Without any advance notice, safety storage cabinets from the current production process are taken and subjected to retesting in the fire chamber.





Outstanding quality management

Our certified quality management system complies with the international standard ISO 9001 and thus proves that the quality control of every sub-process of asecos confirms the company philosophy and all its activities.



A reliable partner throughout

Once again asecos GmbH was awarded the coveted "CrefoZert" seal for an "outstanding" creditworthiness. The price is awarded by the leading rating company Creditreform Hanau Leibrock KG.



Ventilation - protection and safety at work

For over 20 years asecos has been manufacturing ventilation equipment for working with hazardous materials. All asecos hazardous material work stations have been thoroughly tested over time on the basis of German (e.g. DIN 12924-1) and European standards (e.g. EN 14175-3 Para. 5.4.4). Also in the field of ventilation of safety storage cabinets, asecos offers a wide, ever-expanding range of different solutions. With all its products, asecos is supported by renowned test institutes such as infraserv Höchst, IFI Institute for Industrial Aerodynamics, Tintschl Engineering and others from the development of the perfect solution right up to the serial production of certified products.







PROFOUND EXPERTISE

FOR REFERENCE



Your guide on all aspects of storage, extraction and handling of hazardous materials

In this catalogue, in addition to the asecos product range, you will also find profound expertise and useful advice on the subject of storing, handling and extracting hazardous substances, direct from the expert.

Please pay attention to the symbol at the bottom right for a variety of information on hazardous substances and applicable rules and laws.

The expertise is organised according to the types of hazardous substances and can always be found in the direct vicinity of the appropriate product solutions.



Expert knowledge at a glance:

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- Flammables – from page 26
- Lithium-ion batteries – from page 230
- Compressed gases – from page 240
- Acids & bases – from page 276
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- Technical air purification – from page 378
- Water pollutants – from page 404





STORAGE AND HANDLING OF HAZARDOUS SUBSTANCES – ARE YOU SAFE?

In many workplaces and laboratories, the use of hazardous substances is part of everyday work and is unavoidable. What can be easily overlooked in daily handling? Improper storage, especially of flammable substances, poses various dangers to people, the environment and property.

- »» Fires and explosions caused by, for example, the improper storage of flammable liquids and gases
- »» Pollution of soils, groundwater and surface waters through e.g. contaminated extinguishing water or leakages
- »» Downtimes up to bankruptcy, e.g. due to destroyed buildings, laboratories after fires (after a fire, approx. 80% of companies go bankrupt)
- »» Endangering health

Business owners and managers must be aware of their responsibility for the handling and storage of hazardous substances and regularly ask themselves the following questions:

- »» Do I know the legal regulations for hazardous substances?
- »» Do I apply these regulations?
- »» Do I fulfil my duty of care towards people and the environment?
- »» Do I store hazardous substances in my company in accordance with the regulations?

WHICH LEGAL BASIS HAS TO BE TAKEN INTO ACCOUNT?

DSEAR 2002

“The particular objective in the event of an incident, is to ensure that people can safely escape from the workroom/working area.” (DSEAR ACoP L136 par. 68 refers)

What is DSEAR?

DSEAR (applicable in the UK) stands for the Dangerous Substances and Explosive Atmospheres Regulations 2002. Dangerous substances can put peoples' safety at risk from fire and explosion or energetic event. DSEAR puts duties on employers and the self-employed to protect people from risks from fires, explosions and similar events in the workplace. This includes members of the public who may be put at risk by both the work hazards and any secondary hazards likely to occur at the time of Incident, Accident or Emergency, arising from the work activity, such as toxicity, or escalating fire load.

WHAT ARE HAZARDOUS SUBSTANCES?

What are dangerous substances?

Dangerous substances are any substances used or present at work that could, if not properly controlled, cause harm to people as a result of a fire or explosion.

They are clearly defined into five separate categories:

1. A substance or preparation which meets the criteria in the approved classification and labelling guide for classification as a substance or preparation which is explosive, oxidising, extremely flammable, highly flammable or flammable, whether or not that substance or preparation is classified under the CHIP Regulations or CLP.
2. A substance or preparation which because of its physico-chemical or chemical properties and the way it is used or is present at the workplace creates a risk, not being a substance or preparation falling within subparagraph (a) above; or
3. Any dust, whether in the form of solid particles or fibrous materials or otherwise, which can form an explosive mixture with air or an explosive atmosphere, not being a substance or preparation falling within subparagraphs (a) or (b) above;

Please observe local legislation and regulations.



From the 1st June 2015, DSEAR also includes:

1. Substances that are corrosive to metals – Substances that can corrode metals could cause structural damage reducing integrity of structures if not suitably contained.
2. All gases under pressure. Gases that are under pressure (eg gas in a cylinder) may present a risk of explosion if not correctly handled in the workplace.

Such substances are common in industry and include solvents, paints, varnishes, hydrogen, acetylene or liquid petroleum gas (LPG), organic peroxides, to name just a few. DSEAR places a formal requirement on employers to assess the risks for substances if classified for these properties and put in place suitable control and mitigation measures.

Materials and chemicals of the nature specified in the regulation can be found in nearly every workshop, factory, laboratory or workplace and few companies are exempt from the DSEAR legislation.

Hazardous materials are materials with the following properties:

- ▶ highly toxic
- ▶ toxic
- ▶ hazardous to health
- ▶ corrosive
- ▶ irritant
- ▶ sensitising
- ▶ oxidising
- ▶ explosive
- ▶ extremely flammable
- ▶ highly flammable
- ▶ flammable
- ▶ carcinogenic
- ▶ reprotoxic
- ▶ mutagenic
- ▶ dangerous for the environment
- ▶ releasing hazardous materials when handled
- ▶ chronically harmful in any other way

These terms can be explained as follows:

| | |
|--------------------------------------|--|
| HIGHLY TOXIC | materials which can cause temporary or permanent damage to health or even death, even in very small quantities e.g. hydrogen cyanide, phosgene. |
| TOXIC | materials which can cause temporary or permanent damage to health or even death in small quantities e.g. methanol, chlorine. |
| HAZARDOUS TO HEALTH | materials which can cause temporary or permanent damage to health or even death, e.g. glycol, iodine. |
| CORROSIVE | are materials, which can cause destruction of body tissue upon contact with the skin or mucous membranes, e. g. hydrochloric acid above 25 %, sodium hydroxide above 2 %. |
| IRRITANT | materials which can cause inflammation upon contact with the skin or mucous membranes, e.g. hydrochloric acid between 10 and 25%, sodium hydroxide between 0.5 and 2%. |
| SENSITISING | materials which may cause hypersensitive reactions when inhaled or absorbed through the skin, e.g. cobalt, nickel, various diisocyanates. |
| OXIDISING | materials which can maintain a fire without air supply, e.g. sodium chlorate, sodium peroxide, nitric acid above 70%. |
| EXPLOSIVE | materials which can be brought to explode e.g. due to heat, friction, impact or initial ignition, e.g. nitroglycerine, dynamite, TNT. |
| EXTREMELY FLAMMABLE | gases or materials whose vapours form potentially explosive mixtures with the surrounding air and which are extremely flammable in the presence of an ignition source; with a flash point - below 0 °C and boiling point below 35 °C, e.g. acetylene, hydrogen, diethyl ether. |
| HIGHLY FLAMMABLE | materials whose vapours form potentially explosive mixtures with the surrounding air and which are highly flammable in the presence of an ignition source; with a flash point below 23 °C, e.g. acetone, petrol. |
| FLAMMABLE | materials whose vapours form potentially explosive mixtures with the surrounding air and which are flammable in the presence of an ignition source; with a flash point between 23 °C and 60 °C, e.g. styrene, turpentine oil. |
| CARCINOGENIC | a material which can prompt the body's own cells to form carcinomas e.g. asbestos, benzene. |
| REPROTOXIC | materials which cause non-heritable damage to the progeny or increase their frequency and/or which may cause an impairment of the male or female reproduction functions or capability e.g. benzo[a]pyrene, 2-ethoxyethanol. |
| MUTAGENIC | materials which may cause heritable genetic damage, e.g. acrylamide, diethyl sulphate, ethylene oxide. |
| DANGEROUS FOR THE ENVIRONMENT | materials which may damage animals, plants, microorganisms, climate, air, water or soil, e.g. diesel fuel, mercury, dichlorofluoroethane. |

During the manufacture or use of substances, hazardous materials may arise or be released, e.g. welding electrodes. Other chronically harmful materials can cause damage to health when repeated or longer exposure occurs.



Hazardous substances basics

WHAT ARE THE CLASSIFICATION CRITERIA FOR HAZARDOUS SUBSTANCES?

The number of hazardous substances with diverse properties and characteristics is manifold and poses corresponding risks. For this reason, the labelling of hazardous materials has been standardised worldwide and implemented in Europe through the CLP Regulation.

GHS (Globally Harmonized System of Classification, Labelling and Packaging of Chemicals):

Globally uniform system for classifying chemicals and labelling them on packaging and in safety data sheets. The labelling methods for hazardous substances that applied in the EU until 2015 have been replaced. In the GHS, **hazard pictograms** replaced the hazard symbols with their hazard designations; where appropriate with a common *signal word* („Caution“ or „Danger“). In combination with the *Hazard and Precautionary Statements*, the pictograms provide information about

- ››› the type and severity of the hazard (**H-phrases** (*Hazard Statements*) as well as additional *EUH-phrases* (*special hazards*)) and
- ››› the differentiated safety instructions for prevention, reaction, storage and disposal of the hazardous substances (**P-phrases** (*Precautionary Statements*)).

➤ **The EU CLP Regulation is still applicable to the UK and has been retained in GB law as GB CPL. This means that Great Britain continues to adopt GHS, independently of the European Union.**

O (EG) 1272/2008 CLP (Regulation on Classification, Labelling and Packaging of Substances and Mixtures):

The regulation is the European implementation of the worldwide GHS system and is equally and directly valid in all member states.

Adaptation to technical and scientific progress are made periodically. These adaptations are mainly concerned with corrections to terminology and additions to the list of harmonised classification and labelling of dangerous substances in Annex VI:

Hazard pictograms according to GHS/CLP



Acute toxicity – Category 1, 2, 3



Corrosive – Category 1



Flammable – Category 1, 2, 3



Flammable (oxidising) – Category 1, 2, 3



Explosive



Compressed gases



Hazardous to the environment
Hazardous to waters
Harmful to ozone layer



Acute toxicity – Category 4
Corrosive – Category 2
Skin sensitising
Targeted organ toxicity – Category 3



CMR – Category 1A, 1B, 2
Respiratory sensitising
Targeted organ toxicity – Category 1, 2
Aspiration hazard

Please observe local legislation and regulations.



WHAT ARE THE MOST IMPORTANT TERMS IN HAZMAT STORAGE AND HANDLING?

Storage

Storage is keeping materials for future use and dispensing to others. It includes the provision for transport, if the transport does not take place within 24 hours after provision or on the following working day. If the working day is a Saturday, the period ends upon expiry of the next working day.

The quantities of hazardous materials provided must be limited to the quantity required for that day/shift; all quantities beyond these must be stored. If small quantities are required regularly, the smallest standard container size can be provided.

If activities such as decanting, removal, or maintenance work are carried out in the storeroom, a separate risk assessment should be carried out.



If you want to store a larger quantity than required for that day directly at your workplace, you need a fire resistant safety storage cabinet.

Storage section

A storage section is the part of the storeroom that is separated from other storage sections or adjacent rooms

- ››› in buildings by means of walls and ceilings that fulfil the safety-related requirements,
- ››› outdoors by means of sufficient clearance or walls.

Outdoor storerooms are also roofed-over storage areas, which

- ››› are open on at least two sides or
- ››› are open on one side, if the depth – measured from the open side – is not greater than the height of the open side.

One side of the room is considered open if it consists of a wire or similar grating, which does not impair the natural ventilation.



Safety storage cabinets with at least 90 minute fire resistance are also classified as storage sections.

Storage class

Storage classes represent a classification of the stored materials based on specific hazardous properties and are only required in conjunction with joint storage.

Fire compartment

A fire compartment is a part of a building separated with regard to fire precautions in compliance with building law, where, as a result of the requirements on the surrounding components, spreading of the fire to other parts of the building is generally avoided.

Keeping, providing and reserving

Providing is the short-term storage for a specific intended use, usually for not longer than 24 hours or until the next working day. If the working day is a Saturday, the period ends upon expiry of the next working day.

Provision includes amongst other things:

- ››› **Reserving** the quantities of operating materials or resources required to continue the work in or at production facilities. The required quantity must not exceed the amount needed per day.
- ››› **Deposit** of finished or intermediate products.
- ››› **Reserving** for company-internal transport, conveying, handling or storage.

Safety data sheet

A safety data sheet (SDS), material safety data sheet (MSDS), or product safety data sheet (PSDS) is an important component of product stewardship and occupational safety and health and spill-handling procedures. SDS formats can vary from source to source within a country depending on national requirements.

The SDS follows a 16 section format i.e. **SECTION 1: Hazards identification, SECTION 4: Firefighting measures, SECTION 7: Handling and storage** which is internationally agreed and for substances especially, the SDS should be followed with an annex which contains the exposure scenarios of this particular substance.

Please observe local legislation and regulations.



Hazardous substances basics

Joint storage is when various materials are stored in a

- ››› storage section,
- ››› container,
- ››› **safety storage cabinet** or
- ››› collection room.

Separate storage is when various stored goods are separated from one another within a storage section by means of

- ››› sufficient distances,
- ››› barriers, e.g. walls, cabinets made of non-combustible material, products made of non-combustible materials of storage class 12 or 13 or
- ››› separated collection rooms.

Separate storage may be required to reduce hazards when storing goods of the same storage class or materials of different storage classes. Information regarding the requirement for separate storage is given in

- ››› the hazard information labelling (H or R codes), complementary hazard properties (EU H codes) and safety information (P or S codes);
- ››› the product-specific safety information, for example, the safety data sheets (Section 5 Fire-fighting measures and Section 7 Handling and storage; the information in Section 10 Stability and reactivity is usually provided in less detail);
- ››› the leaflets from the accident insurance companies.

Partitioned storage is separate storage in different storage sections. These must be separated from other storage sections or adjacent rooms

- ››› in buildings by means of walls or ceilings with at least 90 minute fire resistance, or
- ››› outdoors by means of sufficient clearance or walls.

The distances serve to

- ››› protect a storeroom from external harmful incidents such as mechanical damage or heating as a result of fire,
- ››› protect against interactions between the stored hazardous materials,
- ››› keep the risk for the employees or other persons, of leaks from portable containers and/or malfunctions in the proper operational procedure, as low as possible.

➤ **Safety storage cabinets with at least 90 minute fire resistance are also classified as storage sections.**



Please observe local legislation and regulations.



CAN DIFFERENT CHEMICALS BE STORED TOGETHER?

Hazardous materials may only be stored together if there is no increase in the risks involved. This may be possible, for example, because of the risk assessment or the limitation of quantities.

The Health and Safety Executive (HSE) provides guidance for segregation through HSG71 and offers very detailed guidance for the storage of chemical groups, see Table 1. The chemical groups are used to determine the possibilities for joint storage and this formal classification serves to control the joint storage of different hazardous materials.

The table assists in defining where chemical groups:

- >>> May not require segregation (white)
- >>> Should be segregated (red)
- >>> Should be kept apart (black)
- >>> Should be isolated (red on white)

The segregation of chemicals provides very distinct advantages to the user or provider of hazardous materials as it:

- >>> Allows clear definition of the materials present
- >>> Ensures more adequate management of chemicals at the site
- >>> Contributes towards positive management of storage and procurement
- >>> Prevents potential chemical reactions which could lead to accidents
- >>> Prevents exposure of staff to harmful substances
- >>> Puts you in control of all harmful substances

Using HSG71 Table 2 as the guide, with the GHS symbols superimposed, it becomes clear that GHS symbols are not the best way to segregate substances.

For example, the following chemicals: Flammable liquids, Flammable solids, Flammables dangerous when wet, Flammables spontaneously combustible; all share the same GHS symbol. However, they cannot be stored in the same cabinet at the same time.

HSG71 should be used in conjunction with the safety data sheet (SDS), which clearly defines how compatible one substance is to another. For example, Section 10 of the SDS may advise that flammable liquids should not be stored with strong corrosives. The SDS also defines how to assess co-located storage.

PLEASE NOTE

Flammable liquids may not be stored in safety storage cabinets together with hazardous materials that may lead to the occurrence of fires (e.g. pyrophoric materials).

Due to the risk of corrosion, it is basically recommended not to store mineral acids and alkalis together in one safety storage cabinet, but in a separate acid or alkali cabinet respectively. Non-flammable toxic and highly toxic materials must be kept in a separate, locked chemical storage cabinet.



Hazardous substances basics

Table 2: HSG71 – Segregation Table incorporating GHS Symbols

| CLASS | | 1 | 2 | 3 | 4 | 5 | 6 | 8 |
|---|-------------------------------|----------------|------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Chemical Segregation By Chemical Group. | | | | | | | | |
| Explosive | 1.0 Explosive | Segregate Form | Segregate Form | Segregate Form | Segregate Form | Segregate Form | Segregate Form | Segregate Form |
| Compressed gases | 2.1 Flammable | Segregate Form | Keep Apart | Segregate Form or Keep Apart | Segregate Form | Segregate Form | ISOLATE | Keep Apart |
| | 2.2 Non Toxic | Segregate Form | Keep Apart | Keep Apart | Keep Apart | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary |
| | 2.3 Toxic | Segregate Form | Segregate Form or Keep Apart | Keep Apart | Segregate Form | Keep Apart | Segregation may not be necessary | Segregation may not be necessary |
| Flammable liquids | 3 | Segregate Form | Segregate Form | Keep Apart | Segregate Form | Keep Apart | Segregation may not be necessary | ISOLATE |
| Flammable solids | 4.1 Readily combustible | Segregate Form | Segregate Form | Segregation may not be necessary | Keep Apart | Keep Apart | Segregation may not be necessary | ISOLATE |
| | 4.1 Spontaneously combustible | Segregate Form | Segregate Form | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | ISOLATE |
| | 4.3 Dangerous when wet | Segregate Form | Segregate Form | Segregation may not be necessary | Keep Apart | Segregation may not be necessary | Segregation may not be necessary | ISOLATE |
| Oxidising substances | 5.1 Oxidising substance | Segregate Form | Segregate Form | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | ISOLATE |
| | 5.2 Organic peroxide | Segregate Form | ISOLATE | Segregation may not be necessary | Segregation may not be necessary | ISOLATE | Segregation may not be necessary | ISOLATE |
| Toxic | 6 | Segregate Form | Keep Apart | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | Segregation may not be necessary | ISOLATE |
| Corrosive | 8 | Segregate Form | Keep Apart | Keep Apart | Keep Apart | Segregation may not be necessary | Segregation may not be necessary | ISOLATE |



Segregation may not be necessary

Segregation may not be necessary, but consult suppliers about requirements for individual substances. In particular, note that some types of chemicals within the same class, particularly Class 8 corrosives, may react violently, generate a lot of heat if mixed or evolve toxic fumes.



Segregate from

These combinations should not be kept in the same building compartment or outdoor storage compound. Compartment walls should be impermeate, of at least 30 minutes fire resistance and sufficiently durable to withstand normal wear and tear. Brick or concrete construction is recommended. An alternative is to provide separate outdoor storage compartments with an adequate space between them.



Keep apart

Separate packages by at least 3 m in the storeroom or storage area outdoors. Materials in non-combustible packaging that are not dangerous substances and that present a low fire standard of separation should be regarded as a minimum between substances known to react together readily, if that reaction would increase the danger of an escalating incident.



Segregate from or keep apart

The lower standard refers to the outside storage of gas cylinders. Where non-liquefied flammable gases are concerned, the 3 m separation distance may be reduced to 1 m.



Isolate

This is used for organic peroxides, for which dedicated buildings are recommended. Alternatively, some peroxides may be stored outside in fire-resisting secure cabinets. In either case, adequate separation from other buildings and boundaries is required.



WHAT ARE, IRRESPECTIVE OF QUANTITY, THE BASIC OBLIGATIONS FOR HAZMAT STORAGE?

What are the general requirements for hazardous material packaging and containers?

The primary safeguard to prevent the release of flammable liquids is provided by the container. It is therefore critical to ensure that it is of appropriate design for the duty. The materials of construction should be compatible with the chemical and physical properties of the flammable liquid to ensure that no interaction occurs which might cause leakage. All the container openings should be equipped with a secure and well-fitting cap or lid to resist the escape of flammable liquid or vapours, including if the container falls or rolls over. All stored hazardous materials must be identifiable. Labelling must contain sufficient information about the classification of the hazard involved in handling and the appropriate protective measures that need to be observed are evident or can be derived.

What needs to be observed when dealing with hazardous liquids?

Locations where flammable liquids are stored should have adequate means to prevent the uncontrolled spread of any spillages or leaks beyond the confines of the storage area. Typically, this is achieved by ensuring the base or floor of the storage area is impervious and enclosing this with an impervious sill, low bund wall or drainage channel to contain a volume that is at least 110% of the capacity of the largest container, where these are of metal construction.

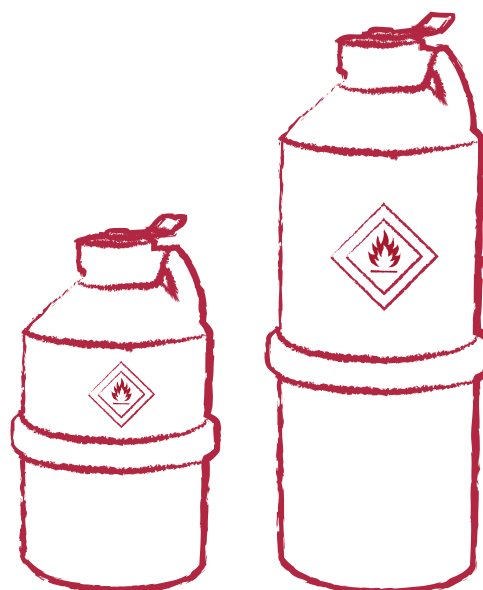
What needs to be observed when dealing with flammable materials?

Preventing leaks and possible accumulation of dangerous quantities of flammable liquid or vapours is the first priority. However, you should anticipate that flammable liquids or vapours could still escape and have adequate and sufficient control measures in place to prevent their ignition. Pressurised gas cylinders containing flammable materials with connected withdrawal devices may only be stored with additional protective measures (e.g. effective ventilation openings in a storeroom or cabinet with an area of more than 100 cm²) in order to avoid the formation of a potentially explosive atmosphere.

Is the storage of hazardous materials in stairways or corridors allowed?

Hazardous materials may not be stored in areas where they may pose a risk to employees or other persons. These include in particular:

- »» Access routes, such as stairways, escape and rescue routes, corridors, passageways and narrow courtyards
- »» Break rooms, on-call rooms, sanitary areas, first aid areas or daytime accommodation rooms




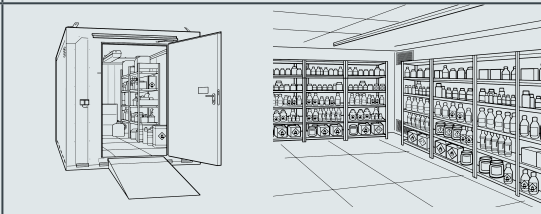
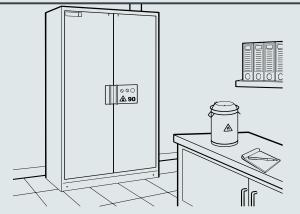


WHAT STORAGE OPTIONS EXIST FOR HAZARDOUS SUBSTANCES?

Improper storage of, for example, flammable hazardous substances poses various risks to people, the environment and property and material assets. In the worst case, this leads to fires and explosions, which not only endanger human lives, but can also lead to downtimes and even bankruptcy for companies (after a fire, approx. 80% of companies go bankrupt). The pollution of soils, groundwater and surface waters, through e.g. contaminated extinguishing water or leakages, are among the possible consequences. The storage of hazardous substances in compliance with the law should therefore be given high priority in every company.

Basically, these three storage concepts are to be distinguished:

1. Outdoor storage / storage buildings / hazardous material containers – central outdoor storage
2. Storage rooms in buildings – central indoor storage
3. Safety cabinets type 90 / type G90 – decentralised storage in workrooms

| Improper storage | Safe storage | |
|---|---|---|
| | Central storage | Decentralised storage |
| Unauthorised, random storage ✗ High risk ✗ Legal consequences | Hazardous substance storage/hazardous substance container ✓ Large storage quantities ✗ Long distances | Safety storage cabinets ✓ Storage directly at the workplace ✓ Flexibility ✓ Mobile storage space |
|  |  |  |

Storage of Flammable Materials – External

Many facilities require large volumes of flammable materials to be typically held on the premises. At these sites, flammable materials may be stored in large containers – 200 litre drums or 1,000 litre IBC's (Intermediate Bulk Containers) are most common. One of the most effective control measures when working with bulk flammables is to remove them from the workplace and into a safer, external storage location.

Particular note should be taken to adequately separate flammable liquids from:

- »» Site boundaries
- »» Occupied buildings
- »» Process areas

The recommended minimum separation distances (HSG51) shown below are widely accepted industry practice. Although these distances may not provide complete fire protection to prevent other parts of the premises from being affected by a fire in the storage area, or prevent fire causing damage beyond the boundary, they should provide time to implement emergency procedures and enable people to evacuate to a place of safety.

| Requirement for storage containers | |
|------------------------------------|--|
| Distance to buildings min. 10 m | No fire protection requirements |
| Distance to buildings > 5 m | No fire protection requirements for exclusively passive storage of 200–1,000 l |

Where these separation distances cannot be realised, additional protective measures, may be used to justify a reduction in the minimum separation distances.



Store rooms – Central indoor storage

Essential structural requirements and fire protection

Fire resisting storerooms and fire resisting workrooms should provide a minimum of 30 minutes fire resistance in respect of integrity, insulation and where applicable; load bearing capacity. The exception to this is when the storeroom or workroom are within a building that also contains residential accommodation, in which case the partition between the two should provide a minimum of 60 minutes fire resistance to comply with UK legislation.

Safety storage cabinets – Decentralised storage in workrooms

Type 90 safety storage cabinets according to EN 14470-1 (storage of flammable liquids) and type G90 according to EN 14470-2 (storage of compressed gas cylinders) as an adequate storage solution compared to storerooms or storage buildings.

Your cabinets should:

- »» Minimise the fire risks associated with storing flammable substances and protect the contents in the event of fire.
- »» Ideally you will use a cabinet with a known (tested) minimum length of time (fire rating)
- »» Minimise the amount of vapour released into the working environment
- »» Ensure the retention of accidental spillages within the cabinet
- »» Provide sufficient evacuation time for all personnel
- »» Reduce the risk of explosion through greater temperature protection to provide fire fighters with adequate time to deal with an incident and minimise site damage



The following page shows an overview of the model groups of asecos safety storage cabinets. The portfolio offers a wide variety of storage solutions for almost every application.

INFO

Despite the recognisable effort for more clarity and precision, the topic of hazardous substance storage remains challenging. This is because companies must implement every change in the storage of hazardous substances. This means that those responsible must not only check whether the substances and products used, their classifications or quantities have changed, but also, whether the protective measures and technical equipment chosen so far meet the current requirements.

LARGE VARIETY OF CABINETS

Chemicals are diverse and usually have many different properties. But regardless of whether they are environmentally hazardous, gaseous, toxic or flammable: as the world's leading manufacturer of safety storage cabinets in accordance with Eu-

ropean standard EN 14470-1/-2, asecos has the right cabinet for safe and legally compliant storage. Our individual solutions are used in agriculture, research, industry and laboratories, among others.

FREE STANDING CABINETS

of the Q- and S-LINE are proven all-rounders for the storage of flammable hazardous materials. With door locking system, automatic door closing (TSA) and one-hand operation (AGT), they offer the best possible user comfort.

SAFETY STORAGE UNDER BENCH CABINETS

fit perfectly under fume cupboards or worktables and enable efficient and ergonomic work processes. They are also optimally suited for disposal systems

BATTERY CABINETS

safely store lithium-ion batteries and protect surrounding building areas from flame encroachment in the event of a thermal runaway. Optionally available with integrated charging function for the batteries.

ACIDS AND ALKALIS CABINET

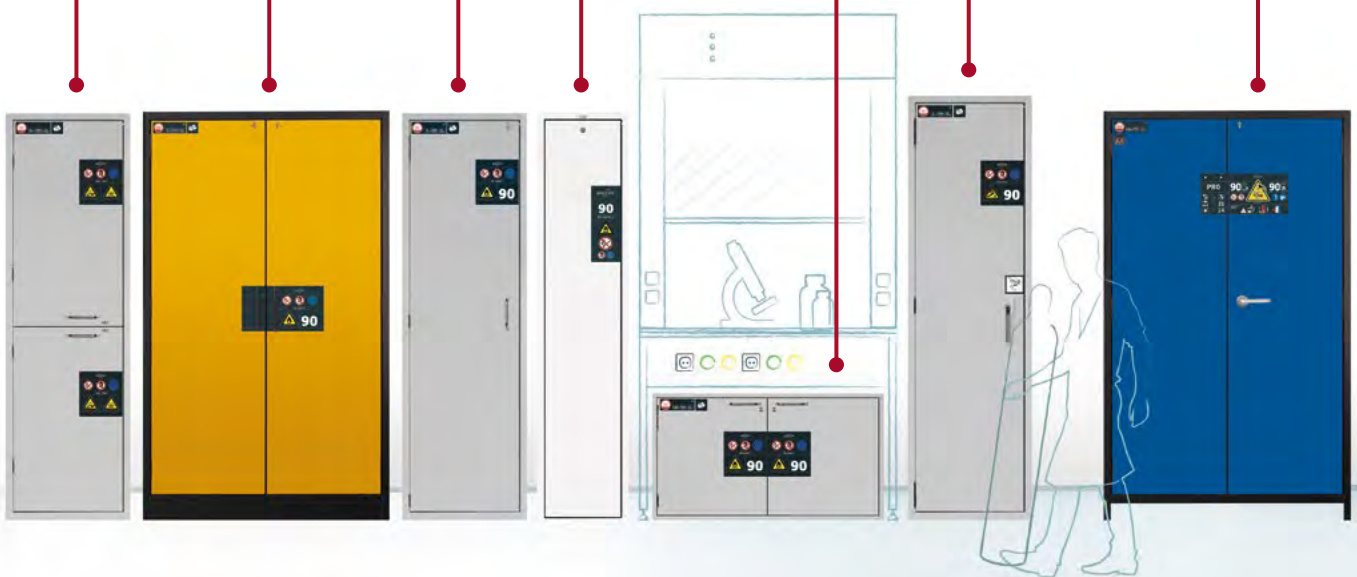
ensure safe storage of aggressive, non-flammable hazardous materials in accordance with regulations. Highly resistant melamine-coated special boards make the model line high-quality and durable.

SAFETY STORAGE CABINETS WITH VERTICAL DRAWERS

are space miracles in the laboratory. With a large cabinet depth, they make use of the previously empty area - analogous to the fume cupboard. The vertical drawer technology offers an optimal overview and access to all stored hazardous materials from both sides.

GAS CYLINDER CABINETS

offer the user the option of choosing between centralised and decentralised gas supply in terms of implementation and costs



RECIRCULATING AIR FILTER STORAGE CABINETS

are available for almost all hazardous materials - flammable, toxic or acids and alkalis. Common to all models is the extraction and filtering of hazardous vapours.

CABINETS FOR CHEMICALS

for the safe storage of toxic, non-flammable hazardous materials in workrooms. The cabinet models are available in three widths and two heights - for a wide range of applications

SAFETY STORAGE BOX

is suitable for easy wall mounting above workbenches and workstations. The safety box provides safe storage of flammable liquids, spray cans, etc.

COMBI SAFETY STORAGE CABINETS

are separated by a horizontal or vertical dividing wall, depending on the width of the cabinet. This creates two hermetically separated storage compartments for the safe storage of acids and alkalis as well as flammable materials in just one cabinet. A chemical reaction between the different hazardous materials is prevented.

ENVIRONMENTAL CABINETS

are suitable for the safe storage of water-polluting liquids and pesticides in working areas. Equipping them with liquid-tight bottom collecting sumps prevents the leakage of water-polluting liquids

DRUM STORAGE CABINETS











are the giants among the safety storage cabinets. They can store large containers and 200 litre drums








Well-founded expertise and helpful tips on the subject of hazardous materials storage, handling and extraction directly from the experts! The catalogue pages are **marked** with this symbol.



Safety storage cabinets according to EN 14470-1 for flammable hazardous materials

| | | | |
|---|---|---|----------------|
|  |  |  | V-LINE |
| |  |   | Q-LINE |
| |  |   | FX-LINE |
| |  |   | S-LINE |
| |  |   | K-LINE |
| |  |  | XL-LINE |
| |  |   | UB-LINE |

Safety storage cabinets according to EN 14470-1 and EN 1363-1 for lithium-ion batteries

| | | | |
|--|---|---|-----------------|
| |  |   | ION-LINE |
|--|---|---|-----------------|

Safety storage cabinets according to EN 14470-2 for gases under pressure (G-ULTIMATE-90, G-CLASSIC-30)

| | | | |
|---|---|---|---------------|
|  |  |   | G-LINE |
|---|---|---|---------------|

Safety storage cabinets for non-flammable hazardous materials

| | | | |
|---|---|--|----------------|
|  |  | | SL-LINE |
|  |  | | C-LINE |
|  |  | | E-LINE |


| | | |
|--|---|--------------|
| Safety storage cabinets with electronic or manual vertical drawers for maximum ease of use and access to all stored containers from both sides |  Expertise Flammable Hazardous Substances | page 26–33 |
| | V-MOVE-90 | page 34–41 |
| | V-CLASSIC-90 | page 42–45 |
| Safety storage cabinets with sturdy construction and a transport base for flexible internal transport | Q-CLASSIC-90 | page 48–59 |
| | Q-CLASSIC-90 Triple Certified | page 60–61 |
| | Q-PEGASUS-90 | page 62–71 |
| | Q-PHOENIX-90 | page 72–75 |
| | Q-CLASSIC-30, Q-DISPLAY-30 | page 76–85 |
| | Q-CLASSIC-30 Triple Certified | page 86–87 |
| Recirculating air filter cabinets for safe filtering and storage of a wide variety of hazardous materials with a flexible installation option. | FX-CLASSIC-90 | page 100–101 |
| | FX-PEGASUS-90 | page 102–107 |
| | FX-DISPLAY-30 | page 108–109 |
| Safety storage cabinets as proven classics with a large variety of models | S-CLASSIC-90 | page 116–131 |
| | S-PEGASUS-90 | page 128–131 |
| | S-CLASSIC-30 | page 132–133 |
| | S-PHOENIX-90 | page 136–149 |
| | S-PHOENIX Vol.2-90 | page 150–157 |
| Combi safety storage cabinets for the combined storage of flammable and non-flammable, aggressive chemicals in separate storage compartments. | K-PHOENIX-90 | page 166–173 |
| | K-PHOENIX Vol. 2-90 | page 166–173 |
| | K-UB-90 | page 174–177 |
| Safety storage cabinets for storing large containers and drums up to 200 L | XL-CLASSIC-90 | page 180–183 |
| Under bench safety storage cabinets for space-saving integration under fume hoods, hazardous materials work stations or work surfaces | UB-S-90 | page 188–201 |
| | UB-ST-90 | page 202–207 |
| | UB-T-90 | page 208–219 |
| | UB-T-90E | page 220–227 |
| Storing and charging lithium-ion batteries safely |  Expertise Lithium-ion batteries | page 232–235 |
| | ION-ULTRA-90 | page 242–244 |
| | ION-PRO-90 | page 246–249 |
| | ION-CORE-90 | page 250–253 |
| | ION-CHARGE-90 | page 254–257 |
| Safe storage, provision and dispensing from compressed gas cylinders |  Expertise Gases & Compressed gases | page 262–273 |
| | G-ULTIMATE-90 | page 276–285 |
| | G-CLASSIC-30 | page 286–289 |
| | G-OD | page 290–294 |
| | G-PG | page 295 |
| Cabinets for acids and alkalis with corrosion-resistant, sturdy construction and separate storage compartments for acids and alkalis |  Expertise for acids and alkalis | page 298–301 |
| | SL-CLASSIC | page 304–307 |
| | SL-CLASSIC-UB | page 308–312 |
| | SLX-CLASSIC | page 314–317 |
| Cabinets for chemicals for ideal storage of non-flammable chemicals and toxic substances |  Expertise Acute toxic substances | page 320–321 |
| | CS-CLASSIC | page 324–331 |
| | CS-CLASSIC-MultiRisk | page 332–335 |
| | CX-CLASSIC | page 336–339 |
| | CX-CLASSIC-MultiRisk | page 340 |
| Environmental cabinets and cabinets for plant protection products for the safe storage of water pollutants and pesticides. | E-CLASSIC | page 342–344 |
| | E-CLASSIC-UF | page 345 |
| | E-PSM-UF | page 346 |


Extraction and filtration of hazardous vapours


Solutions for non-smoker protection and air purification

Storage and handling of hazardous materials indoors and outdoors

Service and maintenance

| | | |
|---|--|---------------------|
|  | Expertise: extraction of hazardous substances | page 348–351 |
| | Recirculating air filter systems | page 352–353 |
| | Extraction air module | page 354 |
| | Extraction air units | page 355 |
| | Extraction air monitoring | page 356 |
| | Fans | page 357 |
| | Hazardous materials work stations | page 358–382 |
| | Radial fan | page 383 |
| | Pharmaceutical exhaust | page 392–393 |
| | Extraction systems | page 388–391 |
| | Suction hoods | page 394–395 |
| | Source extractions | page 396–399 |

| | | |
|---|--|---------------------|
|  | Expertise: Technical air cleaning | page 400–401 |
| | Overview air purifier | page 402–403 |
| | Overview smoking cabins | page 404–405 |

| | | |
|--|--|---------------------|
| | Hazardous materials store | from page 406 |
|  | Expertise: water-polluting substances | page 426–427 |
| | Steel sump pallet systems | page 429–435 |
| | Plastic sump pallet systems | page 442–452 |
| | Filling stations and shelving systems | page 454–465 |
| | hazmat depots (steel/PE) | page 466–473 |
| | Safety containers | page 476–483 |
| | Gas cylinder storage and handling | page 486–487 |
| | Drum protection and handling | page 488–491 |
| | Pumps | page 492–493 |
| | Collecting systems | page 494–497 |
| | drum transport | page 498–503 |
| | Collision protection systems | page 504 |
| | Operating equipment | page 505 |
| | Leakage management | page 506–511 |

| | | |
|--|---------------------|---------------|
| | asecos Service | from page 512 |
| | General information | page 522 |



RISKS AND HAZARDS

Today, flammable hazardous substances are used in most laboratories and companies. The safe and legally compliant storage of these hazardous substances often presents users with major challenges.

Because of their nature, flammable liquids and solids easily contribute to the spread of fire and, if stored incorrectly, pose a high risk to both people and the environment.

Under certain conditions, vapours from flammable hazardous substances can form an explosive atmosphere and, in combination with an ignition source, cause explosions.

Vapours therefore pose a particular risk. In hazmat containers that appear to be empty, for example, an explosive mixture can be created by the remaining contents.

Legal basis / information


- >>> Dangerous Substances and Explosive Atmospheres Regulations 2002 (DSEAR)
- >>> Health and Safety Executive (HSE)
- >>> Control of Substances Hazardous to Health (COSHH)
- >>> Control of Major Accident Hazards (COMAH)
- >>> Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP)

Definition

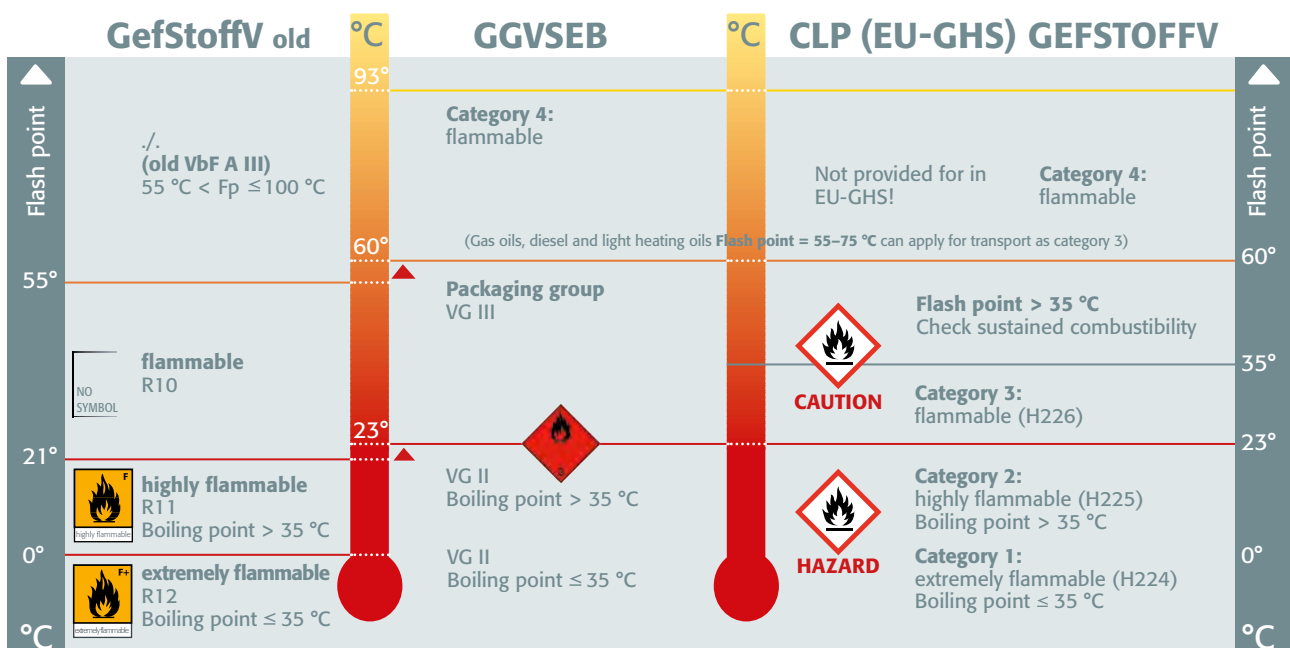
Substances whose vapours can form an explosive atmosphere and which are easily ignitable in the presence of an ignition source.

The following diagrams show the classification of flammable liquids according to the CLP Regulation / GefStoffV.

Hazard class

| Hazard class / pictogram | Hazard Category | Signal Word | H Code |
|--|-----------------|-------------|--------|
| Flammable liquids  | Category 1 | Hazard | H 224 |
| | Category 2 | Hazard | H 225 |
| | Category 3 | Caution | H 226 |

Classification, labelling and characteristics of flammable liquids



Please observe local legislation and regulations.

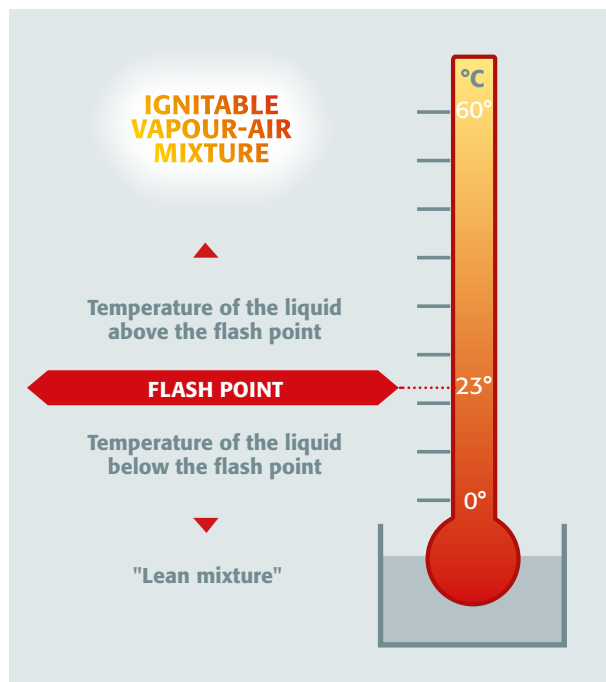


Flash point

Classification and labelling of flammable liquids depends on the flash point of the liquid.

Definition Flash point

The temperature at which enough vapour escapes from a liquid that an ignitable mixture is created with the ambient air (EN 1127-1).

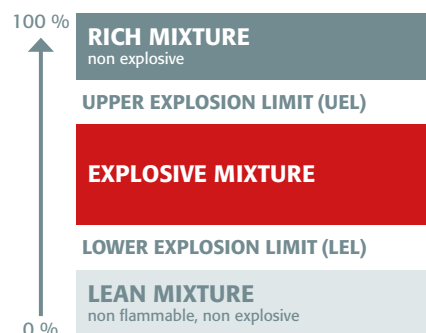


Examples of flash points of flammable liquids

| Material | Flash point °C |
|-----------------------------------|----------------|
| Ether (diethyl ether) | -40 °C |
| Petroleum ether / light petrol | < -20 °C |
| Petrol | < -20 °C |
| Diesel / Heating oil / Gas oil | > 55 °C |
| Petroleum / Turpentine / Kerosene | 30–40 °C |
| Ethanol | 12 °C |
| Propanol | 12 °C |
| Acetone | < -20 °C |
| MEK (butanone) | -1 °C |

Explosion limits

Explosion limits are the minimum or maximum concentration levels of vapour of a flammable or combustible material (expressed as per cent by volume in air) at which an explosion will occur in a confined area if an ignition source is present. No explosion can occur in the presence of very low or very high concentrations.



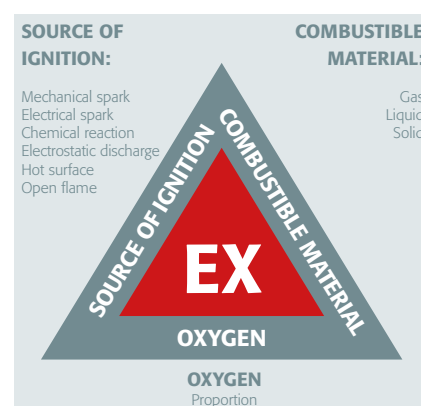
Definition ignition temperature

Ignition temperature (of a flammable gas or liquid) is the lowest temperature of a hot surface, determined under prescribed test conditions, at which ignition of a flammable substance occurs as a gas-air or vapour-air mixture.

The fire triangle

The basis for the handling of hazardous materials is knowledge of the fire triangle. This clearly illustrates that a fire or an explosion is only possible if three conditions are fulfilled:

- Combustible substance
- Ignition source
- Oxygen





RESPONSIBLE STORAGE IN SAFETY STORAGE CABINETS

What is the purpose of storing flammable hazardous substances in safety storage cabinets?

By storing flammables in safety cabinets with a defined fire resistance, the basic safety requirements for fire load minimisation are fulfilled.

Safety cabinets must be designed, installed, operated and maintained in a way that guarantees the safety of employees and third parties.

What are the advantages of storing in safety storage cabinets?

Safety storage cabinets with a fire resistance of 90 minutes are considered a separate fire compartment. Thus, storage in these cabinets offers the following advantages:

- »» Fire and explosion protection requirements are met. The use of safety cabinets is also recommended for small quantities of flammable liquids!
- »» Easy and flexible installation in workrooms.
- »» Reduction of in-house transport of hazardous substances and the associated risks.
- »» Installation in corridors is possible after consultation with the local fire brigade, provided the width of the escape route is observed.

What types of safety storage cabinets are there?

There are three types:

1. Fire-resistant storage cabinets for flammable liquids:

Safety storage cabinets according to EN 14470-1 for the storage of flammable and combustible liquids, solid hazardous substances, compressed gas cartridges and aerosol dispensers.

2. Fire-resistant storage cabinets for compressed gas cylinders:

Safety storage cabinets in accordance with EN 14470-2 for the storage of pressurised gas cylinders, pressurised gas cartridges and aerosol dispensers.

For more information, see the corresponding chapter from p. 240.

3. Fire-resistant safety cabinets for lithium-ion batteries:

Safety storage cabinets, at the moment without normative reference, for the storage and charging of lithium-ion batteries.

For more information, see the corresponding chapter from p. 230.

How are safety storage cabinets classified?

Safety storage cabinets are classified according to their fire resistance in a fire chamber test as follows:

| Measured time for temperature rise in the fire chamber test | Type of safety storage cabinet | | |
|---|--|--|--|
| | Safety storage cabinet for flammables* EN 11470-1 | Safety storage cabinets for compressed gas cylinders** EN 14470-2 | Safety storage cabinets for lithium-ion batteries*** |
| 30 minutes | Type 30 | G 30 | - |
| 60 minutes | Type 60 | G 60 | - |
| 90 minutes | Type 90 | G 90 | 90 |

State of the art

* Flammable liquids: Measured time for temperature rise by 180 K, measured inside the cabinet

** Compressed gas cylinders: Measured time for the temperature rise by 50 K, measured on the surface of the gas cylinder valve holder

*** Lithium-ion batteries: Measured in accordance with EN 1363 and EN 14470-1

Safety storage cabinets with a certified fire resistance of 90 minutes are designated as state of the art. As a result, they are considered a separate fire compartment or storage section.



How can the fire resistance of safety cabinets be recognised and what other markings are there?

The fire resistance in minutes must be stated on the front of the safety storage cabinet.

The number on the sticker indicates the resistance in minutes. (e.g. 90 or 30).

In addition, the following warning and prohibition symbols, among others, are also required:

- »» Prohibition sign P003 „No open flame; fire, open source of ignition and smoking prohibited“
- »» Warning sign W021 „Warning of flammable substances“



What safety requirements must be met when installing safety storage cabinets for flammable liquids with various fire resistance classes?

The safety demands on the quality of safety storage cabinets for flammable liquids are considered to be fulfilled if they have a fire resistance of at least 90 minutes and meet further requirements according to EN 14470-1. They can be installed in unlimited numbers.

The fire resistance may be less but at least 30 minutes (type 30) if

- »» only one cabinet is installed in a fire (fighting) section/utility unit (for larger sections, a maximum of one cabinet per 100 m²) or
- »» an automatic fire alarm system and a recognised site fire brigade with a maximum response time of five minutes after being alerted are available for the fire (fighting) section/utility unit, or
- »» an automatic fire extinguishing system is available.

➤ **In general, the storage of hazardous substances in safety storage cabinets with a fire resistance of 90 minutes (state of the art) should be aimed for.**

What prohibitions on combined storage must be observed in safety cabinets for flammable liquids?

Hazardous materials may only be stored together if there is no increase in the risks involved. This is possible, for example, as a result of the risk assessment or the limitation of quantities. In order to determine the possibilities for joint storage, the hazardous materials are divided into storage classes. This formal classification serves to control the joint storage of different hazardous materials.

Flammable liquids may not be stored together in safety cabinets with:

- »» Hazardous substances that may lead to the occurrence of fires (e.g. pyrophoric substances)
- »» Compressed gas cylinders
- »» Lithium-ion batteries

It is also advisable to store mineral acids and alkalis in a separate acid or alkali safety storage cabinet in view of the risk of corrosion. Non-flammable toxic and very toxic substances must be stored separately in a lockable, chemical cabinet.

Suitable products can be found in the corresponding chapter from p. 276.





SHOULD SAFETY STORAGE CABINETS IN ACCORDANCE WITH EN 14470-1 BE CONNECTED TO TECHNICAL VENTILATION?

Safety storage cabinets according to EN 14470-1 should, but do not necessarily have to be, connected to a technical ventilation system. In the case of safety storage cabinets that are not technically ventilated, substitute measures must be taken to ensure comparable explosion and health protection for employees.

Technical ventilation as a precautionary measure to prevent the occurrence of a dangerous explosive atmosphere is recommended. It should be used in the interests of health protection even and already in the case of a „mere“ odour nuisance.

CAUTION! The lower explosion limit of a solvents is many times higher than the occupational exposure limit of most substance.

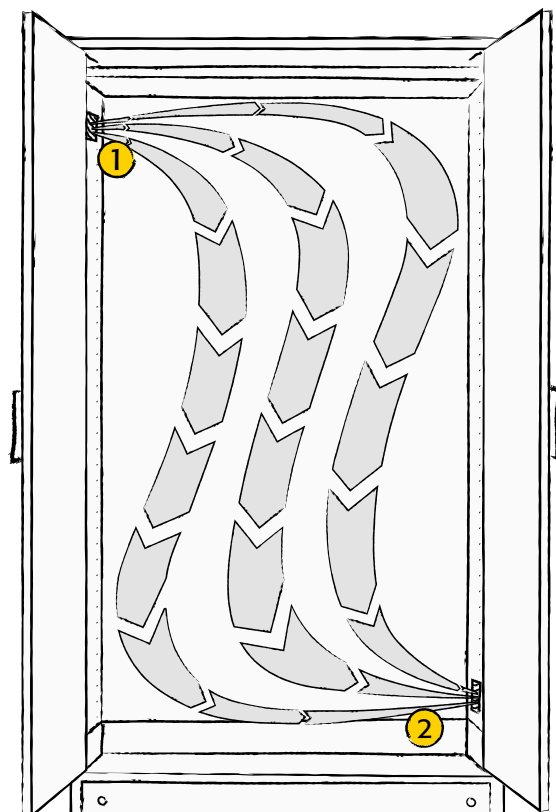
| Solvent | Flash point Fp °C | Steam pressure p 20°C mbar/hPa | Lower Explosion Limit LEL (1 Vol-% = 10.000 ppm) | Occupational Exposure Limit OEL |
|--|-------------------|--------------------------------|--|---------------------------------|
| Ether (diethyl ether) | -40°C | 587 mbar | 1,7 Vol-% = 17.000 ppm | 400 ppm |
| Heptan C ₇ H ₁₆ | -4°C | 48 mbar | 1,1 Vol-% = 11.000 ppm | 500 ppm |
| Acetone C ₃ H ₆ O | < -20°C | 233 mbar | 2,5 Vol-% = 25.000 ppm | 500 ppm |
| Ethanol C ₂ H ₅ OH | 12°C | 59 mbar | 3,1 Vol-% = 31.000 ppm | 200 ppm |

With their special construction, asecos safety storage cabinets are ready for connection (NW 75) to and operation of a technical ventilation system.

The **supply air** in the upper (1) and **exhaust air** in the lower part of the cabinet (2) successfully eliminate harmful vapours. The hazardous substance vapours are then led to the technical exhaust air duct via the cabinet ceiling. There, the exhaust air can either be connected to an on-site exhaust air system (exhaust air ducted to a safe location outdoors) or to a recirculating air filter system.

YOUR ADVANTAGES:

- » No health hazards for the employees
- » No EX zones in and around the safety storage cabinet required
- » Occupational exposure limits (OEL) are safely complied with





Technical ventilation of safety storage cabinets can be achieved by:

- >>> Connection to an exhaust air that will be ducted to a safe location outdoors
- >>> Integration into an existing exhaust air system

Apart from these, the following products can be used:

- >>> Recirculating air filter units (UFA)
- >>> Safety storage cabinets with an integrated recirculating air filter module



For all solutions, there must be a minimum air exchange of 10 times per hour.

When using recirculating air filter units or recirculating air filter modules, practical tests have shown that fires in the adsorption filters – as known from large industrial plants – do not occur if the recirculating air filter is equipped with a continuously acting protective device.

Certain hazardous substances may only be stored in technically ventilated safety storage cabinets with a fire resistance of at least 90 minutes. These are flammable hazardous substances labelled with H224 and those with ignition temperatures below 200 °C (e.g. diethyl ether or carbon disulphide). Opened compressed gas cylinders may also only be stored in technically ventilated safety storage cabinets.

There must be no ignition sources inside the safety cabinet. If this cannot be guaranteed, measures must be taken to avoid ignition sources, depending on the risk assessment.

The cabinets must be grounded via a potential equalisation.

Thus, the following zone classification has to be applied in the safety cabinet for flammable liquids:

| | | |
|---|---|--|
| Technical ventilation: Exhaust air system or recirculating air filter unit | NO ZONE Conditions: Container closed no filling / decanting in the cabinet no exposure | } If not: ZONE 2 |
| Natural ventilation: | ZONE 2 Conditions: Container closed no filling / decanting in the cabinet no exposure | } if not: ZONE 1 inside ZONE 2 outside r = 2,5m h = 0,5 m |

In practice, the above-mentioned conditions should be negligible, i.e. no zoning and therefore no explosion protection document is required for ventilated safety storage cabinets.

Health protection through compliance with workplace limits must always be ensured when handling hazardous substances. Solvents can be safely transferred and processed in hazardous material workplaces.
Further information can be found in the chapter „Hazardous material workplaces“ from page 336.





Flammables

Is it permissible to carry out filling or decanting activities in a safety storage cabinet?

Generally no. Fume cupboards or workplaces for hazardous substances should preferably be used for this purpose. Deviations from the general prohibition can only be made if it has been demonstrated in the risk assessment that no hazards arise, e.g. when handling normal laboratory quantities.



It Can Happen To Anyone – many different dangers threaten when handling hazardous materials!

The use of hazardous and combustible materials is part of the daily routine in most laboratories and industries and is unavoidable. What is often quickly forgotten in daily handling: the improper storage of such materials puts people, the environment and property in danger. Learn more about the safe storage of hazardous materials in our „HazMat Guide“.

Which approval documents and certificates should be available from the manufacturer of a safety storage cabinet?

To ensure high quality and functionality in a worst case scenario a safety storage cabinet that conforms to the standards should have the following approval documents:

- ››› Fire test report from an independent materials testing institute as proof of fire resistance
- ››› GS certificate as proof of compliance with ProdSG §21 Para. 1 on the basis of ZLS EK5/AK4 and proof of conformity in accordance with EN 16121 and EN 16122 (requirements and test procedures for safety, strength, durability and stability)
- ››› EC declaration of conformity as proof of compliance with product-relevant EU directives and national standards





asecos safety storage cabinets in accordance with EN 14470-1 for the safe storage of flammable liquids in buildings and workrooms –

- ››› are considered to be a storage section (storage section = part of a warehouse that is separated from other storage sections or neighbouring rooms).
- ››› are special facilities for the storage of hazardous substances in workrooms.
- ››› are also recommended for the storage of flammable liquids in smaller quantities.
- ››› are suitable for the storage of different hazardous substances < 200 kg without essentially complying with the prohibitions on combined storage.



asecos safety storage cabinets in accordance with EN 14470-1 offer you:



Legal certainty in procurement and use

- ››› Standardised, tested product with complete approval documentation: Fire test certificate, GS certification with conformity according to the requirements of EN 16121/16122, EC Declaration of Conformity



Long-term safety and risk minimisation

- ››› Fulfilment of the elementary requirements of fire and explosion protection
- ››› Minimisation of unprotected storage
- ››› Reduction of fire loads in the building
- ››› Protection of employees from fire and explosion hazards as well as harmful vapours (technical ventilation)
- ››› Reduction of in-house transport of hazardous substances from a central warehouse to the workplace and the associated risks



Saving time and money

››› One employee – in-house transport

| | |
|-----------|--|
| Per day | 6 minutes |
| Per week | 30 minutes |
| Per month | 2 hours |
| Per year | 3 work days – costs approx. 612,00€ <small>(working days á 8 hours / wage costs 26 € per hour)</small> |

- ››› In principle, the safety cabinet is immediately ready for operation after delivery and installation. No further approval procedures or individual permits are necessary.
- ››› There is no need for complex modifications, as the cabinet can be easily integrated into the local conditions.



Flexibility

- ››› Flexible choice of storage locations within buildings – the cabinet simply moves to the new location.
- ››› Offers the option – as it is fire-resistant – to be installed in corridors if, for example, this does not restrict the width of the escape route (in consultation with the fire brigade or fire protection authorities).
- ››› Thanks to a large product portfolio with a multitude of models and interior equipments, the safety storage cabinet can be optimally adapted to your applications and container sizes.



asecos
90
EN 14470-1



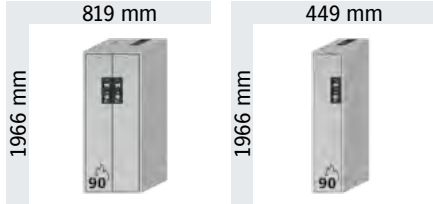




Overview

Safety storage cabinets type 90

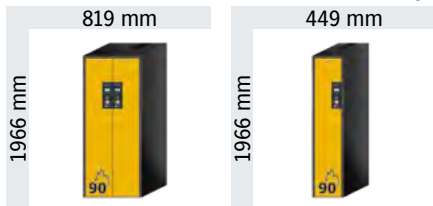
V-MOVE-90 | model class with unicolour design and electronic vertical drawer with automatic closing system



V90.196.081.VDAC:0012
page 38

V90.196.045.VDAC:0012
page 40

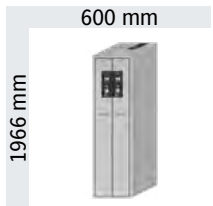
V-MOVE-90 | model class with bi-colour design and electronic vertical drawer with automatic closing system



V90.196.081.VDAC:0013
page 38

V90.196.045.VDAC:0013
page 40

V-CLASSIC-90 | model class with vertical drawer, manual pull-out operation and vertical dividing wall



V90.196.060.MV.2VD:0012
page 44

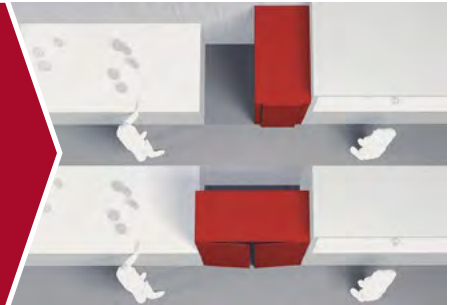
V-LINE | V-MOVE-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

Optimum integration and use of space

With a depth of 86 cm, V-LINE cabinets now use the space next to laboratory fume cupboards and work benches that conventional hazardous material cabinets have left unused.



2

Maximum comfort

The vertical drawer technology allows access and visibility to all stored containers from both sides.



3

Innovative technology

At the push of a button the vertical drawers open and close automatically. The drawers glide softly and quietly out of and into the cabinet body, without additional physical efforts. The stop function of the vertical drawers detects resistances and eliminates the risk of being trapped



4

Modern colour design

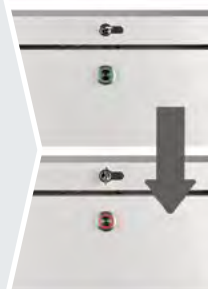
Bi-colour design – choice of 5 door colours for the scratch proof surface
Unicolour design – choice of 2 colours for the powder-coated surface.



5

No unauthorised use

Doors lockable with cylinder lock; the cabinets can be integrated by the customer in an existing master key system. Locking status indicator (red/green) signals the locking status of the cabinet.



6

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



7

Guard rail system

For shelves as additional tilt protection for stored containers (optional).





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 10 years** in combination with an asecos service tariff
- Further information from page 512



V-LINE | V-MOVE-90



Model V90.196.081.VDAC:0012
Order No. 35035-001-35103



Model V90.196.081.VDAC:0013
Order No. 35086-051-35104






Model V90.196.081.VDAC:0012
Order No. 35035-005-35102

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 819 x 860 x 1966 |
| Internal dimensions W x D x H | mm | 701 x 775 x 1750 |
| Weight without interior equip. | kg | 500 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Max. load of drawers | kg | 140 |
| Power consump. in operation | W | 50 |
| Power consump. in standby mode | W | 0,5 |
| Nominal voltage | V | 85-265 |




Main features

-  Space-saving design with high storage volume
-  Electronic vertical drawers for maximum ease of use
-  Visible storage

| Model | Body colour | Door colour | Order No. |
|-----------------------|----------------------------------|----------------------------------|-----------|
| V90.196.081.VDAC:0013 | anthracite grey RAL 7016 | warning yellow RAL 1004 | 35086-040 |
| | | light grey RAL 7035 | 35086-041 |
| | | traffic red RAL 3020 | 35086-046 |
| | | gentian blue RAL 5010 | 35086-047 |
| | | stainless steel | 35086-051 |
| V90.196.081.VDAC:0012 | light grey RAL 7035 | light grey RAL 7035 | 35035-001 |
| | laboratory white (sim. RAL 9016) | laboratory white (sim. RAL 9016) | 35035-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| Left: 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) Right: 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 35102 |
| Left: 5x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) Right: 5x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 35103 |
| Left: 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) Right: 5x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 35104 |
| Left: 4x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) Right: 4x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 36113 |
| Left: 4x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) Right: 5x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 36114 |
| Left: 5x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) Right: 5x tray shelf (V=6.0L), 1x bottom collecting sump (V=12.5L) | powder-coated sheet steel RAL 7035 | 36115 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
|  Shelf guard rail system set for 1 shelf | powder-coated sheet steel RAL 7035 | 40 x 719 x 80 | 35099 |
|  Sump inliner for tray shelf | PP | 310 x 700 x 30 | 36355 |
|  Anti-slip rubber mat | grey | 305 x 705 x 2 | 33575 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

Can't find a suitable interior equipment package for your application?

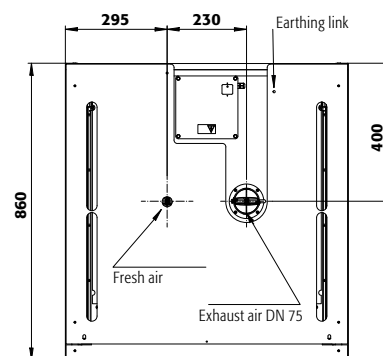
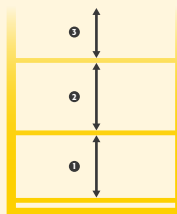
V90.196.081.VDAC

Shelves/number 5 4

| | | | |
|----------|---|------|---------|
| Distance | 6 | (mm) | |
| Distance | 5 | (mm) | 260 |
| Distance | 4 | (mm) | 285 290 |
| Distance | 3 | (mm) | 250 380 |
| Distance | 2 | (mm) | 250 285 |
| Distance | 1 | (mm) | 250 285 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 46 | Aerosol cans | 400 ml |
| 21 | Laboratory glass bottles | 1 litre |
| 8 | Laboratory glass bottles | 2.5 litres |




STAINLESS STEEL DOOR FRONT
V-LINE cabinets are available with high-quality stainless steel door fronts — ideal when maximum durability of the surface is required.



GUARD RAIL SYSTEM
Additional tilt protection for stored containers



Capture and filter hydrocarbon vapours with our recirculating air filter unit.
Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascos services** you are always on the safe side.

You can find our service tariffs from page 512

V-LINE | V-MOVE-90



Model V90.196.045.VDAC:0012
Order No. 35034-001-35101



Model V90.196.045.VDAC:0013
Order No. 35085-040-35100






Model V90.196.045.VDAC:0012
Order No. 35034-005-35101

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 449 x 860 x 1966 |
| Internal dimensions W x D x H | mm | 331 x 775 x 1750 |
| Weight without interior equip. | kg | 344 |
| Air change 10 times | m ³ /h | 5 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Max. load of drawers | kg | 140 |
| Power consump. in operation | W | 50 |
| Power consump. in standby mode | W | 0,5 |
| Nominal voltage | V | 85-265 |


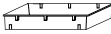

Main features

-  Space-saving design with high storage volume
-  Electronic vertical drawers for maximum ease of use
-  Visible storage

| Model | Body colour | Door colour | Order No. |
|-----------------------|----------------------------------|----------------------------------|-----------|
| V90.196.045.VDAC:0013 | anthracite grey RAL 7016 | warning yellow RAL 1004 | 35085-040 |
| | | light grey RAL 7035 | 35085-041 |
| | | traffic red RAL 3020 | 35085-046 |
| | | gentian blue RAL 5010 | 35085-047 |
| | | stainless steel | 35085-051 |
| V90.196.045.VDAC:0012 | light grey RAL 7035 | light grey RAL 7035 | 35034-001 |
| | laboratory white (sim. RAL 9016) | laboratory white (sim. RAL 9016) | 35034-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=12.5L] | powder-coated sheet steel RAL 7035 | 35100 |
| 5x shelf, 1x perforated insert, 1x bottom collecting sump [V=12.5L] | powder-coated sheet steel RAL 7035 | 35101 |
| 4x tray shelf [V=6.0L], 1x bottom collecting sump [V=12.5L] | powder-coated sheet steel RAL 7035 | 36111 |
| 5x tray shelf [V=6.0L], 1x bottom collecting sump [V=12.5L] | powder-coated sheet steel RAL 7035 | 36112 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
|  Shelf guard rail system set for 1 shelf | powder-coated sheet steel RAL 7035 | 40 x 719 x 80 | 35099 |
|  Sump inliner for tray shelf | PP | 310 x 700 x 30 | 36355 |
|  Anti-slip rubber mat | grey | 305 x 705 x 2 | 33575 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

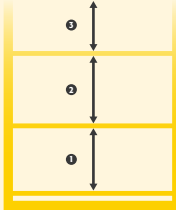
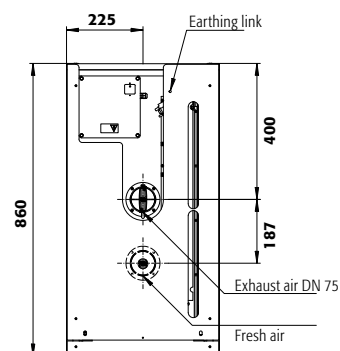
Can't find a suitable interior equipment package for your application?

V90.196.045.VDAC

| Shelves/number | 5 | 4 |
|-----------------|-----|-----|
| Distance ⑥ (mm) | | |
| Distance ⑤ (mm) | 260 | |
| Distance ④ (mm) | 285 | 290 |
| Distance ③ (mm) | 250 | 380 |
| Distance ② (mm) | 250 | 285 |
| Distance ① (mm) | 250 | 285 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 46 | Aerosol cans | 400 ml |
| 21 | Laboratory glass bottles | 1 litre |
| 8 | Laboratory glass bottles | 2.5 litres |

V-LINE

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

For the first time, the V-LINE MULTIRISK enables fire-protected storage of aggressive and toxic substances. Accordingly, the type 90 safety storage cabinet not only ensures safe storage of various hazardous substances but also provides maximum protection for users and rescue services in the event of a fire.



2

Both storage compartments can be used equally thanks to the sophisticated ventilation concept and the fire-protected and corrosion-resistant design. It is entirely up to you to decide which types of hazardous substances you store in the V-LINE MULTIRISK.



3

The materials used inside the cabinet, together with the technical ventilation system, provide a robust basis for the long service life of the cabinet. Each storage level is equipped with an insert tray made of chemical-resistant PE that can be removed easily for cleaning or in case of spills.



4

The space-saving storage solution with a high storage volume is ideal for installation next to fume cupboards.



5

A sliding mechanism makes it easy to open the optional storage box that can be connected separately and is therefore ideal for toxic substances that need to be kept locked up.



6

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 10 years** in combination with an asecos service tariff
- Further information from page 512



V-LINE | V-CLASSIC-90






Model V90.196.060.MV.2VD:0012

Order No. 40285-005-40627

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 600 x 860 x 1966 |
| Internal dimensions W x D x H | mm | 506 x 779 x 1750 |
| Weight without interior equip. | kg | 420 |
| Air change 30 times | m ³ /h | 20 |
| Diff. pressure (air change 30 times) | Pa | 11 |

Main features

-  Space-saving design with high storage volume
-  Vertical drawers with greater ease of use
-  Visible storage

| Model | Body colour | Door colour | Order No. |
|-------------------------|---|---|------------------------|
| V90.196.060.MV.2VD:0012 | light grey RAL 7035 laboratory white (sim. RAL 9016) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 40285-001 40285-005 |

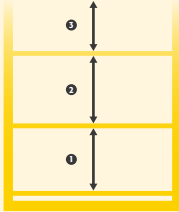
| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|--|-----------|
| Left: 1x tray shelf with storage box, 3x tray shelf (V=4.2L), 4x perforated insert, 1x bottom collecting sump (V=11.5L) Right: 4x tray shelf (V=4.2L), 4x perforated insert, 1x bottom collecting sump (V=11.5L) | powder-coated sheet steel RAL 7035, PP grey, PE RAL 7035, grey | 40498 |
| Left: 4x tray shelf metal free (V=4.2L), 4x perforated insert, 1x bottom collecting sump (V=11.5L) Right: 4x tray shelf (V=4.2L), 4x perforated insert, 1x bottom collecting sump (V=11.5L) | PP grey, PE grey | 40627 |

Accessories for these cabinet models:

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

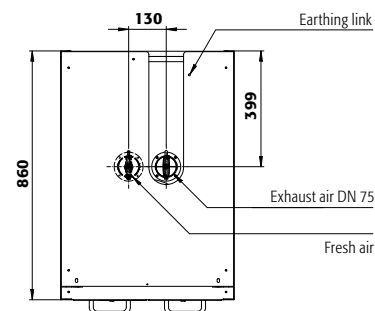
V90.196.060.MV.2VD:0012

| Shelves/number | 5 | 4 |
|-----------------|-----|---|
| Distance ⑥ (mm) | | |
| Distance ⑤ (mm) | 285 | |
| Distance ④ (mm) | 255 | |
| Distance ③ (mm) | 290 | |
| Distance ② (mm) | 290 | |
| Distance ① (mm) | 250 | |



Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 46 | Aerosol cans | 400 ml |
| 14 | Laboratory glass bottles | 1 litre |
| 4 | Laboratory glass bottles | 2.5 litres |



The asecos HazMat Guide

... we have collected the most important information on storing and handling hazardous materials safely. Order your free copy now: www.asecos.co.uk



Are you looking for an appropriate storage solution for hazardous materials?

Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet.

Take the test: www.asecos-configurator.com



Discover our products in the virtual 3D showroom: www.asecos-showroom.com



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.

You can find our service tariffs from page 512

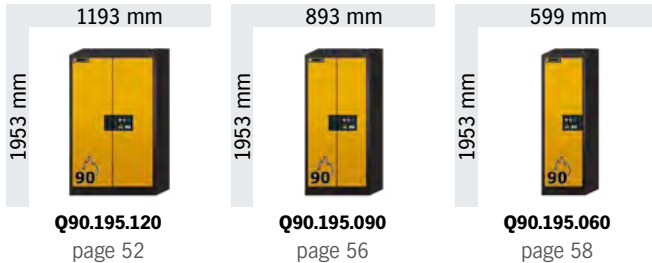




Overview

Safety storage cabinets type 90

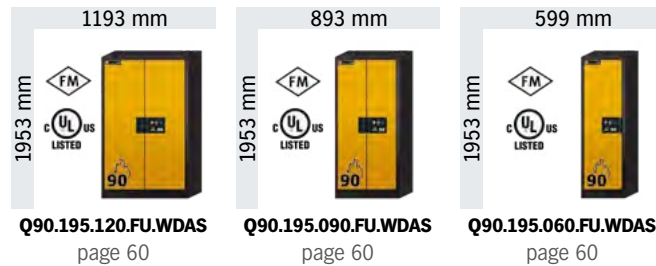
Q-CLASSIC-90 | model class with wing doors



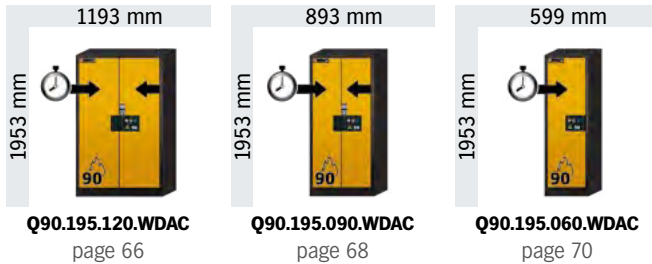
Q-CLASSIC-90 | model class with wing doors and dividing walls



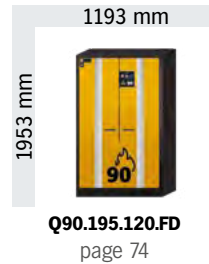
Q-CLASSIC-90 | model class with wing doors and door open arrest system, additionally tested in accordance with FM standard 6050 and UL/ULC standard 1275



Q-PEGASUS-90 | model class with wing doors, door open arrest system, automatic door closing (TSA) and one-hand operation (AGT)



Q-PHOENIX-90 | model class with folding doors



Safety storage cabinets type 30

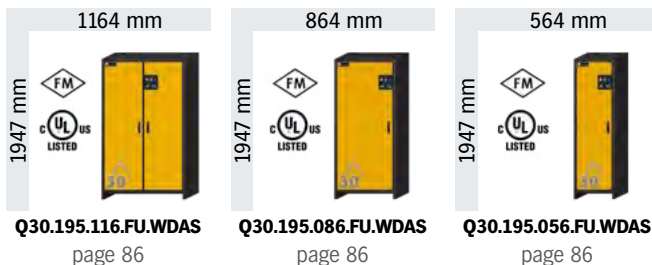
Q-CLASSIC-30 | model class with wing doors



Q-DISPLAY-30 | model class with wing door and fixed window



Q-CLASSIC-30 | model class with wing doors and door open arrest system, additionally tested in accordance with FM standard 6050 and UL/ULC standard 1275



Q-LINE | Q-CLASSIC-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

Robust talent

Extremely robust design with scratch-proof surface, triple hinged door for extreme strain, doors stay in place at any opening angle for a more convenient handling of containers.



2

High flexibility

Integrated transport base for simple inhouse transport, cabinet can be transported upright through doors (all Q-LINE models).



3

Modern bicolour design

Brings colour to your workplace: choice of seven door colours at no extra cost, language-free labelling for optimum international usability.



4

Cylinder lock with locking status indicator

Doors lockable with cylinder lock; the cabinets can be integrated by the customer in an existing master key system. Locking status indicator (red/green) signals the locking status of the cabinet.



5

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Optionally available with dividing walls that create up to four storage compartments for the safe and cost-efficient storage of different hazardous substances in one cabinet.



7

TRIPLE CERTIFIED Safety storage cabinets

Offer maximum protection certified according to EN 14470-1 as well as the FM and UL standards. The cabinets are suitable for international use.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to ten years** in connection with the aseco PREMIUM tariff
- Further information from page 512



- Certain cabinets of this model group have been additionally tested in accordance with **FM Standard 6050** and are compliant to NFPA Code 30, NFPA 1 Fire Code, OSHA
- Further information on these models from page 60



- Certain cabinets of this model group have been additionally tested in accordance with **Underwriters Laboratories-Standard UL/ULC 1275**
- Further information on these models from page 60



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... probably not.

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!

Q-LINE | Q-CLASSIC-90



Model Q90.195.120
Order No. 30001-040-33635



Model Q90.195.120
Order No. 30001-041-33647






Model Q90.195.120
Order No. 30001-046-33649

Technical data

| | | |
|--|-------------------|-------------------|
| External dimensions W x D x H | mm | 1193 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 1050 x 522 x 1647 |
| Weight without interior equip. | kg | 424 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1120 |

Main features



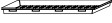
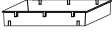






-  Robust construction in bi-colour design
-  Accessible transport base
-  Doors stop at any opening angle

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|-------------|--------------------------|-------------------------|-----------|
| Q90.195.120 | anthracite grey RAL 7016 | warming yellow RAL 1004 | 30001-040 |
| | | light grey RAL 7035 | 30001-041 |
| | | traffic red RAL 3020 | 30001-046 |
| | | gentian blue RAL 5010 | 30001-047 |
| | | reseda green RAL 6011 | 30001-048 |
| | | asecos silver | 30001-049 |
| | | pure white RAL 9010 | 30001-050 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33635 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33636 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33637 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33638 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33640 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30816 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33642 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33643 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33644 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33645 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30817 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30013 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30014 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33647 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33648 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33649 |
| 4x drawer [V=29.0L] | stainless steel | 33651 |
| 5x drawer [V=29.0L] | stainless steel | 33652 |
| 6x drawer [V=29.0L] | stainless steel | 33653 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

* usable storage space W x D

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-90 including transport base and technical ventilation with optional recirculating air filter system and optional Q-Mover for in-house transport



SHELF
Height adjustable (32 mm increments), with 30 mm upstand



BOTTOM COLLECTING SUMP
High storage capacity, optimal for the storage of larger containers, safe collection of leakages



Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.



Further information and suitable solutions for technical ventilation can be found from page 348

Q-LINE | Q-CLASSIC-90



Model Q90.195.120.MM
Order No. 34192-040-34211



Model Q90.195.120.MV
Order No. 34214-041-33657






Model Q90.195.120.MV
Order No. 34214-046-33656

Technical data

| | | 34192 | 34214 |
|---|-------------------|--------------------------------------|---|
| External dimensions W x D x H | mm | 1193 x 615 x 1953 | 1193 x 615 x 1953 |
| Internal dimensions W x D x H | mm | all compartments: 450 x 522 x 810 | left: 450 x 522 x 1647 right: 450 x 522 x 1647 |
| Weight without interior equip. | kg | 460 | 454 |
| Air change 10 times | m ³ /h | 9 | 9 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 | 5 |
| Entry height transport base | mm | 90 | 90 |
| Entry width transport base | mm | 1120 | 1120 |

Main features











-  Robust construction in bi-colour design
-  Accessible transport base
-  Dividing walls providing separate storage compartments

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|----------------|--------------------------|-------------------------|-----------|
| Q90.195.120.MV | anthracite grey RAL 7016 | warning yellow RAL 1004 | 34214-040 |
| | | light grey RAL 7035 | 34214-041 |
| | | traffic red RAL 3020 | 34214-046 |
| | | gentian blue RAL 5010 | 34214-047 |
| | | reseda green RAL 6011 | 34214-048 |
| | | asecos silver | 34214-049 |
| | | pure white RAL 9010 | 34214-050 |
| Q90.195.120.MM | anthracite grey RAL 7016 | warning yellow RAL 1004 | 34192-040 |
| | | light grey RAL 7035 | 34192-041 |
| | | traffic red RAL 3020 | 34192-046 |
| | | gentian blue RAL 5010 | 34192-047 |
| | | reseda green RAL 6011 | 34192-048 |
| | | asecos silver | 34192-049 |
| | | pure white RAL 9010 | 34192-050 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|-----------|
| Q90.195.120.MV | | |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33656 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33544 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37694 |
| Left: 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37695 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33657 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33658 |
| Q90.195.120.MM | | |
| 4x shelf, 4x perforated insert, 4x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34211 |
| 4x shelf, 4x perforated insert, 4x bottom collecting sump (V=22.0L) | stainless steel | 34207 |
| 4x shelf, 4x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34210 |
| 4x shelf, 4x bottom collecting sump (V=22.0L) | stainless steel | 34205 |
| Top: 2x shelf, 2x perforated insert, 2x bottom collecting sump (V=22.0L) Bottom: 2x drawer (V=4.5L), 2x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 34212 |
| Left: 4x drawer (V=4.5L) Right: 2x tray shelf (V=11.0L), 2x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 34213 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|--|---|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  | Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  | Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |


| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

* usable storage space W x D (mm)

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-90 including transport base and technical ventilation with optional **recirculating air filter system** and optional **Q-Mover** for in-house transport



Need to store small quantities of various hazardous materials?
Interior equipment with many variants and **dividing walls** enable the perfect adjustment to different types of hazardous substances in one cabinet.



DRAWERS
High storage capacity and ideal for the storage of small containers




THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

Q-LINE | Q-CLASSIC-90



Model Q90.195.090
Order No. 30041-040-33622



Model Q90.195.090
Order No. 30041-041-33629






Model Q90.195.090
Order No. 30041-047-33627

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 893 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 750 x 522 x 1647 |
| Weight without interior equip. | kg | 343 |
| Air change 10 times | m ³ /h | 6 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 820 |

Main features











-  Robust construction in bi-colour design
-  Accessible transport base
-  Doors stop at any opening angle

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|-------------|--------------------------|-------------------------|-----------|
| Q90.195.090 | anthracite grey RAL 7016 | warning yellow RAL 1004 | 30041-040 |
| | | light grey RAL 7035 | 30041-041 |
| | | traffic red RAL 3020 | 30041-046 |
| | | gentian blue RAL 5010 | 30041-047 |
| | | reseda green RAL 6011 | 30041-048 |
| | | asecos silver | 30041-049 |
| | | pure white RAL 9010 | 30041-050 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33622 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33623 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33624 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33625 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30818 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30047 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30048 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30049 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30050 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30819 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30051 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30052 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33627 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33628 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33629 |
| 4x drawer (V=19.0L) | stainless steel | 33631 |
| 5x drawer (V=19.0L) | stainless steel | 33632 |
| 6x drawer (V=19.0L) | stainless steel | 33633 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|---------------------------------|---|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  | Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  | Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover | sheet steel powder-coated textured RAL 7016 | 818 x 35 x 85 | 30069 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-90 including transport base and technical ventilation with optional recirculating air filter system and optional Q-Mover for in-house transport




DRAWERS
High storage capacity and ideal for the storage of small containers



SHELF
Height adjustable (32 mm increments), with 30 mm upstand



ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?
Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com

Q-LINE | Q-CLASSIC-90



Model Q90.195.060
Order No. 30072-040-33600



Model Q90.195.060
Order No. 30072-047-33610






Model Q90.195.060
Order No. 30072-046-33608

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 599 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 450 x 522 x 1647 |
| Weight without interior equip. | kg | 265 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 526 |

Main features












-  Robust construction in bi-colour design
-  Accessible transport base
-  Doors stop at any opening angle

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|-------------|--------------------------|-------------------------|---|
| Q90.195.060 | anthracite grey RAL 7016 | warning yellow RAL 1004 | Door hinge: left 30072-040 right 30073-040 |
| | | light grey RAL 7035 | 30072-041 30073-041 |
| | | traffic red RAL 3020 | 30072-046 30073-046 |
| | | gentian blue RAL 5010 | 30072-047 30073-047 |
| | | reseda green RAL 6011 | 30072-048 30073-048 |
| | | asecos silver | 30072-049 30073-049 |
| | | pure white RAL 9010 | 30072-050 30073-050 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|------------------------------------|---|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | Door hinge: left 33600 right 34371 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33602 34372 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33603 34373 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33604 34374 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33606 34375 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30820 34369 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30081 33412 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30082 33413 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30083 33414 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30084 33415 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30085 33416 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30821 34370 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30086 33417 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30087 33418 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33608 34376 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33609 34377 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33610 34378 |
| 4x drawer (V=4.5L) | stainless steel | 33616 34381 |
| 5x drawer (V=4.5L) | stainless steel | 33617 34382 |
| 6x drawer (V=4.5L) | stainless steel | 33618 34383 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33619 34384 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33620 34385 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33612 34379 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33613 34380 |

Accessories for these cabinet models:


| Accessories | Material | W x D x H (mm) | Order No. |
|--|---|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 524 x 35 x 85 | 30112 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-90 including transport base and technical ventilation with optional recirculating air filter system and optional Q-Mover for in-house transport




SHELF
Height adjustable (32 mm increments), with 30 mm upstand



METAL-FREE TRAY SHELVES
with chemical resistant surface lamination, ideal for the storage of flammable, aggressive hazardous substances



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

Q-LINE | Q-CLASSIC-90 | Triple Certified



Model Q90.195.120.FU.WDAS
Order No. 37584-040-34637



Model Q90.195.090.FU.WDAS
Order No. 37585-040-34628



Model Q90.195.060.FU.WDAS
Order No. 37586-040-34617

| Technical data | | 37586 | 37585 | 37584 / 37587 |
|--|-------------------|------------------|------------------|-------------------|
| External dimensions W x D x H | mm | 599 x 615 x 1953 | 893 x 615 x 1953 | 1193 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 450 x 522 x 1647 | 750 x 522 x 1647 | 1050 x 522 x 1647 |
| Weight without interior equip. | kg | 265 | 343 | 424 |
| Air change 10 times | m ³ /h | 4 | 6 | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 | 5 | 5 |
| Entry height transport base | mm | 90 | 90 | 90 |
| Entry width transport base | mm | 526 | 820 | 1120 |

Main features



Robust construction in bi-colour design



Accessible transport base







TRIPLE CERTIFIED

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|---------------------|--------------------------|--|--|
| Q90.195.120.FU.WDAS | anthracite grey RAL 7016 | warning yellow RAL 1004 | 37584-040 |
| | | light grey RAL 7035 | 37584-041 |
| Q90.195.090.FU.WDAS | anthracite grey RAL 7016 | warning yellow RAL 1004 | 37585-040 |
| | | light grey RAL 7035 | 37585-041 |
| Q90.195.060.FU.WDAS | anthracite grey RAL 7016 | warning yellow RAL 1004 light grey RAL 7035 | Door hinge: left right |
| | | | 37586-040 37587-040 37586-041 37587-041 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|------------------------------------|-----------|
| Q90.195.120.FU.WDAS | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34637 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34638 |
| 3x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34639 |
| 4x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34640 |
| 3x tray shelf (V=33.0L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37588 |
| 4x tray shelf (V=33.0L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37591 |
| 3x tray shelf (V=33.0L), 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37600 |
| 4x tray shelf (V=33.0L), 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37603 |
| Q90.195.090.FU.WDAS | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34628 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34629 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34630 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34631 |
| 3x tray shelf (V=23.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37589 |
| 4x tray shelf (V=23.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37592 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37601 |
| 4x tray shelf (V=23.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37604 |
| Q90.195.060.FU.WDAS(R) | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34617 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34618 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34615 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34616 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37590 |
| 4x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37593 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37602 |
| 4x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37605 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|---|-----------------|-----------|
|  | sheet steel powder-coated textured RAL 7016 | 524 x 35 x 85 | 30112 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 818 x 35 x 85 | 30069 |
|  | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |



3D

Discover our products in the
virtual **3D showroom**:

www.asecos-showroom.com



Q-LINE | Q-PEGASUS-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

Robust talent

Extremely robust design with scratch-proof surface.



2

One hand operation

One-hand operation for double-door cabinets. Container remains in one hand whilst opening.



3

Door open arrest system with serial automatic door closing

Doors remain open with the serial door open arrest system, convenient and safe removal or storage of containers. Doors close automatically after approx. 60 seconds. Acoustic and visual signal before closing.



4

High flexibility

Integrated transport base for simple inhouse transport, cabinet can be transported upright through doors (all Q-LINE models).



5

Modern bicolour design

Brings colour to your workplace: choice of seven door colours at no extra cost, language-free labelling for optimum international usability.



6

Cylinder lock with locking status indicator

Doors lockable with cylinder lock; the cabinets can be integrated by the customer in an existing master key system. Locking status indicator (red/green) signals the locking status of the cabinet.



7

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.





▪ **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



▪ **GS-tested** (document EK5/AK4 09-10, ProdSG)



▪ Conformity in accordance with the requirements of **EN 16121** and **16122**
 ▪ Requirements and test methods for safety, strength, durability and stability.



▪ **Excellent products with special manufacturer warranty**
 ▪ Extended **manufacturer warranty of up to ten years** in connection with the asecos PREMIUM tariff
 ▪ Further information from page 512



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... probably not.

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!

Q-LINE | Q-PEGASUS-90



Model Q90.195.120.WDAC
Order No. 30002-040-33635



Model Q90.195.120.WDAC
Order No. 30002-048-33649



Model Q90.195.120.WDAC
Order No. 30002-050-33647

Technical data

| | | |
|--|-------------------|-------------------|
| External dimensions W x D x H | mm | 1193 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 1050 x 522 x 1647 |
| Weight without interior equip. | kg | 424 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1120 |

Main features



Robust construction in bi-colour design



Accessible transport base





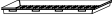
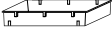






Doors with one-hand operation (AGT), door open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|------------------|--------------------------|-------------------------|-----------|
| Q90.195.120.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | 30002-040 |
| | | light grey RAL 7035 | 30002-041 |
| | | traffic red RAL 3020 | 30002-046 |
| | | gentian blue RAL 5010 | 30002-047 |
| | | reseda green RAL 6011 | 30002-048 |
| | | asecos silver | 30002-049 |
| | | pure white RAL 9010 | 30002-050 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33635 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33636 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33637 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33638 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33640 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30816 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33642 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33643 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33644 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33645 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30817 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30013 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30014 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33647 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33648 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33649 |
| 4x drawer [V=29.0L] | stainless steel | 33651 |
| 5x drawer [V=29.0L] | stainless steel | 33652 |
| 6x drawer [V=29.0L] | stainless steel | 33653 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |


Are you looking for a comfortable storage solution for your hazardous material containers?



Operate **two doors** with **one hand!**


MAXIMUM FLEXIBILITY

No problem with the Q-PEGASUS-90 including transport base and technical ventilation with optional **recirculating air filter system** and optional **Q-Mover** for in-house transport



DRAWERS

High storage capacity and ideal for the storage of small containers



Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.



Further information and suitable solutions for technical ventilation can be found from page 348

Q-LINE | Q-PEGASUS-90



Model Q90.195.090.WDAC
Order No. 30042-040-33622



Model Q90.195.090.WDAC
Order No. 30042-046-33627



Model Q90.195.090.WDAC
Order No. 30042-047-33629

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 893 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 750 x 522 x 1647 |
| Weight without interior equip. | kg | 343 |
| Air change 10 times | m ³ /h | 6 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 820 |

Main features



Robust construction in bi-colour design



Accessible transport base













Doors with one-hand operation (AGT), door open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|------------------|--------------------------|-------------------------|-----------|
| Q90.195.090.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | 30042-040 |
| | | light grey RAL 7035 | 30042-041 |
| | | traffic red RAL 3020 | 30042-046 |
| | | gentian blue RAL 5010 | 30042-047 |
| | | reseda green RAL 6011 | 30042-048 |
| | | asecos silver | 30042-049 |
| | | pure white RAL 9010 | 30042-050 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33622 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33623 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33624 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33625 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30818 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30047 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30048 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30049 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30050 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30819 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30051 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30052 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33627 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33628 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33629 |
| 4x drawer (V=19.0L) | stainless steel | 33631 |
| 5x drawer (V=19.0L) | stainless steel | 33632 |
| 6x drawer (V=19.0L) | stainless steel | 33633 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|---------------------------------|---|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  | Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  | Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover | sheet steel powder-coated textured RAL 7016 | 818 x 35 x 85 | 30069 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

Are you looking for a comfortable storage solution for your hazardous material containers?

Operate two doors with one hand!



SHELF
Height adjustable (32 mm increments), with 30 mm upstand



BOTTOM COLLECTING SUMP
High storage capacity, optimal for the storage of larger containers, safe collection of leakages



ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?

Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com



Q-LINE | Q-PEGASUS-90



Model Q90.195.060.WDAC
Order No. 30074-040-33600



Model Q90.195.060.WDAC
Order No. 30074-046-33608



Model Q90.195.060.WDAC
Order No. 30074-047-33610

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 599 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 450 x 522 x 1647 |
| Weight without interior equip. | kg | 265 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 526 |

Main features



Robust construction in bi-colour design



Accessible transport base














Door with open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 88


| Model | Body colour | Door colour | Order No. | |
|------------------|--------------------------|-------------------------|-------------------------------|-----------|
| Q90.195.060.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | Door hinge: left right | |
| | | light grey RAL 7035 | 30074-040 | 30075-040 |
| | | traffic red RAL 3020 | 30074-041 | 30075-041 |
| | | gentian blue RAL 5010 | 30074-046 | 30075-046 |
| | | reseda green RAL 6011 | 30074-047 | 30075-047 |
| | | asecos silver | 30074-048 | 30075-048 |
| | | pure white RAL 9010 | 30074-049 | 30075-049 |
| | | | | 30074-050 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|--|------------------------------------|-------------------------------|-------|
| | | Door hinge: left right | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33600 | 34371 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33602 | 34372 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33603 | 34373 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33604 | 34374 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33606 | 34375 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30820 | 34369 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30081 | 33412 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30082 | 33413 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30083 | 33414 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30084 | 33415 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30085 | 33416 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30821 | 34370 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30086 | 33417 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30087 | 33418 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33608 | 34376 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33609 | 34377 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33610 | 34378 |
| 4x drawer (V=4.5L) | stainless steel | 33616 | 34381 |
| 5x drawer (V=4.5L) | stainless steel | 33617 | 34382 |
| 6x drawer (V=4.5L) | stainless steel | 33618 | 34383 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33619 | 34384 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33620 | 34385 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33612 | 34379 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33613 | 34380 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|---|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 524 x 35 x 85 | 30112 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |



METAL-FREE TRAY SHELVES
with chemical resistant surface lamination, ideal for the storage of flammable, aggressive hazardous substances



MAXIMUM FLEXIBILITY
No problem with the Q-PEGASUS-90 including transport base and technical ventilation with optional recirculating air filter system and optional Q-Mover for in-house transport



DRAWERS
High storage capacity and ideal for the storage of small containers



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

Q-LINE | Q-PHOENIX-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

Robust talent

Extremely robust design with scratch-proof surface.



2

The space-saving talent

Space-saving folding doors, ideal for use in case of narrow passage widths in front of the cabinet. Continuous anti-trapping door strips on the folding doors offer maximum protection during operation.



3

High flexibility

Integrated transport base for simple inhouse transport, cabinet can be transported upright through doors (all Q-LINE models).



4

Modern bicolour design

Choice of two door colours at no extra cost, language-free labelling for optimum international usability.



5

Cylinder lock with locking status indicator

Doors lockable with cylinder lock; the cabinets can be integrated by the customer in an existing master key system. Locking status indicator (red/green) signals the locking status of the cabinet.



6

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to ten years** in connection with the asecos PREMIUM tariff
- Further information from page 512



Q-LINE | Q-PHOENIX-90



Model Q90.195.120.FD
Order No. 32149-040-33635



Model Q90.195.120.FD
Order No. 32149-040-33647






Model Q90.195.120.FD
Order No. 32149-041-33649

Technical data

| | | |
|--|-------------------|-------------------|
| External dimensions W x D x H | mm | 1193 x 615 x 1953 |
| Internal dimensions W x D x H | mm | 1050 x 522 x 1647 |
| Weight without interior equip. | kg | 424 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1120 |

Main features



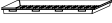
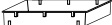






-  Robust construction in bi-colour design
-  Accessible transport base
-  Space-saving folding doors

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|----------------|--------------------------|-------------------------|-----------|
| Q90.195.120.FD | anthracite grey RAL 7016 | warning yellow RAL 1004 | 32149-040 |
| | | light grey RAL 7035 | 32149-041 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33635 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33636 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33637 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33638 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33640 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30816 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33642 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33643 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33644 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33645 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30817 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30013 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30014 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33647 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33648 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33649 |
| 4x drawer [V=29.0L] | stainless steel | 33651 |
| 5x drawer [V=29.0L] | stainless steel | 33652 |
| 6x drawer [V=29.0L] | stainless steel | 33653 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

MAXIMUM FLEXIBILITY
No problem with the Q-PHOENIX-90 including transport base and technical ventilation with optional **recirculating air filter system** and optional **Q-Mover** for in-house transport



SPACE SAVING FOLDING DOORS
Perfectly suited for use in confined spaces and narrow passage widths.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.
Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352

3D Discover our products in the virtual **3D showroom:**
www.asecos-showroom.com



Q-LINE | Q-CLASSIC-30

Safety storage cabinets for the unrestricted storage of flammable hazardous materials in working areas according to EN 14470-1 and TRGS 510

1

Optimised design

To meet the minimum requirements for the storage of flammable hazardous materials in workrooms, very good price-performance ratio.



2

Lock

Lockable doors with a central locking system.



3

High flexibility

Integrated transport base for simple inhouse transport, cabinet can be transported upright through doors (all Q-LINE models).



4

Modern bicolour design

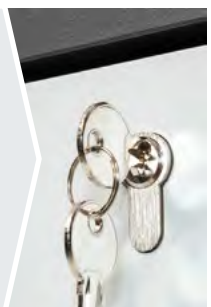
Brings colour to your workplace: choice of seven door colours at no extra cost, language-free labelling for optimum international usability.



5

Cylinder lock

Door lockable with cylinder lock, the cabinets can be integrated by the customer into an existing locking system.



6

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



7

TRIPLE CERTIFIED Safety storage cabinets

Offer maximum protection certified according to EN 14470-1 as well as the FM and UL standards. The cabinets are suitable for international use.





- **Fire resistance of 30 minutes** (type 30), type-tested in accordance with EN 14470-1



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



- Certain cabinets of this model group have been additionally tested in accordance with **FM Standard 6050** and are compliant to NFPA Code 30, NFPA 1 Fire Code, OSHA
- Further information on these models from page 86



- Certain cabinets of this model group have been additionally tested in accordance with **Underwriters Laboratories-Standard UL/ULC 1275**
- Further information on these models from page 86



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... probably not.

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!

Q-LINE | Q-CLASSIC-30



Model Q30.195.116
Order No. 31003-060-33635



Model Q30.195.116
Order No. 31003-061-33647



Model Q30.195.116
Order No. 31003-067-33649

Technical data

| | | |
|--|-------------------|-------------------|
| External dimensions W x D x H | mm | 1164 x 620 x 1947 |
| Internal dimensions W x D x H | mm | 1050 x 519 x 1626 |
| Weight without interior equip. | kg | 240 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 10 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1012 |

Main features



Robust construction in bi-colour design






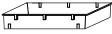

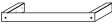
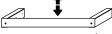


Accessible transport base

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|-------------|-----------------|-------------------------|-----------|
| Q30.195.116 | anthracite grey | warning yellow RAL 1004 | 31003-060 |
| | | light grey RAL 7035 | 31003-061 |
| | | traffic red RAL 3020 | 31003-066 |
| | | gentian blue RAL 5010 | 31003-067 |
| | | reseda green RAL 6011 | 31003-068 |
| | | asecos silver | 31003-069 |
| | | pure white RAL 9010 | 31003-070 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33635 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33636 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33637 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33638 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33640 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30816 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33642 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33643 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33644 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33645 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30817 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30013 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30014 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33647 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33648 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33649 |
| 4x drawer [V=29.0L] | stainless steel | 33651 |
| 5x drawer [V=29.0L] | stainless steel | 33652 |
| 6x drawer [V=29.0L] | stainless steel | 33653 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---------------------------------------|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Base cover | panel melamine resin-coated RAL 7016 | 1086 x 536 x 88 | 31925 |
|  Base cover with adjusting device (available for order only in combination with cabinet) | panel melamine resin-coated RAL 7016 | 1086 x 536 x 88 | 31005 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-30 including transport base and technical ventilation with optional **recirculating air filter system** and optional **Q-Mover** for in-house transport




SHELF
Height adjustable (32 mm increments), with 30 mm upstand



DRAWERS
High storage capacity and ideal for the storage of small containers



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascoco services** you are always on the safe side.

You can find our service tariffs from page 512

Q-LINE | Q-CLASSIC-30



Model Q30.195.086.WD
Order No. 31008-060-33622



Model Q30.195.086.WD
Order No. 31008-060-33622






Model Q30.195.086.WDFW
Order No. 32781-061-33629

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 864 x 620 x 1947 |
| Internal dimensions W x D x H | mm | 750 x 519 x 1626 |
| Weight without interior equip. | kg | 195 |
| Air change 10 times | m ³ /h | 6 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 10 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 788 |

Main features



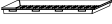
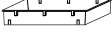

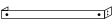



-  Robust construction in bi-colour design
-  Accessible transport base
-  Model WDFW with glass-fronted wing door

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. | |
|----------------------|-----------------|-------------------------|-------------------------------|-------------------------|
| Q30.195.086.WD | anthracite grey | warning yellow RAL 1004 | Door hinge: left 31008-060 | right 31009-060 |
| | | light grey RAL 7035 | 31008-061 | 31009-061 |
| | | traffic red RAL 3020 | 31008-066 | 31009-066 |
| | | gentian blue RAL 5010 | 31008-067 | 31009-067 |
| | | reseda green RAL 6011 | 31008-068 | 31009-068 |
| | | asecos silver | 31008-069 | 31009-069 |
| | | pure white RAL 9010 | 31008-070 | 31009-070 |
| | | Q30.195.086.WDFW | anthracite grey | warning yellow RAL 1004 |
| light grey RAL 7035 | 32781-061 | | | |
| traffic red RAL 3020 | 32781-066 | | | |
| | | | | |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33622 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33623 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33624 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33625 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30818 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30047 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30048 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30049 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30050 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30819 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30051 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30052 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33627 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33628 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33629 |
| 4x drawer (V=19.0L) | stainless steel | 33631 |
| 5x drawer (V=19.0L) | stainless steel | 33632 |
| 6x drawer (V=19.0L) | stainless steel | 33633 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

LARGE STORAGE CAPACITY

OUTSTANDING PRICE PERFORMANCE



MAXIMUM FLEXIBILITY

No problem with the Q-CLASSIC-30 including transport base and technical ventilation with optional recirculating air filter system and optional Q-Mover for in-house transport



DRAWERS

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Q-LINE | Q-CLASSIC-30



Model Q30.195.056
Order No. 31002-060-33600



Model Q30.195.056
Order No. 31002-066-33608



Model Q30.195.056
Order No. 31002-061-33610

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 564 x 620 x 1947 |
| Internal dimensions W x D x H | mm | 450 x 519 x 1626 |
| Weight without interior equip. | kg | 146 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 10 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 412 |

Main features



Robust construction in bi-colour design














Accessible transport base

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. | |
|-------------|-----------------|-------------------------|------------------|-----------|
| | | | Door hinge: left | right |
| Q30.195.056 | anthracite grey | warning yellow RAL 1004 | 31002-060 | 31007-060 |
| | | light grey RAL 7035 | 31002-061 | 31007-061 |
| | | traffic red RAL 3020 | 31002-066 | 31007-066 |
| | | gentian blue RAL 5010 | 31002-067 | 31007-067 |
| | | reseda green RAL 6011 | 31002-068 | 31007-068 |
| | | asecos silver | 31002-069 | 31007-069 |
| | | pure white RAL 9010 | 31002-070 | 31007-070 |


| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|--|------------------------------------|------------------|-------|
| | | Door hinge: left | right |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33600 | 34371 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33602 | 34372 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33603 | 34373 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33604 | 34374 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33606 | 34375 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30820 | 34369 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30081 | 33412 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30082 | 33413 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30083 | 33414 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30084 | 33415 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30085 | 33416 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30821 | 34370 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30086 | 33417 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30087 | 33418 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33608 | 34376 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33609 | 34377 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33610 | 34378 |
| 4x drawer (V=4.5L) | stainless steel | 33616 | 34381 |
| 5x drawer (V=4.5L) | stainless steel | 33617 | 34382 |
| 6x drawer (V=4.5L) | stainless steel | 33618 | 34383 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33619 | 34384 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33620 | 34385 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33612 | 34379 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33613 | 34380 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Base cover with adjusting device (available for order only in combination with cabinet) | panel melamine resin-coated RAL 7016 | 486 x 536 x 88 | 31004 |
|  Base cover | panel melamine resin-coated RAL 7016 | 486 x 536 x 88 | 31923 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

MAXIMUM FLEXIBILITY
No problem with the Q-CLASSIC-30 including transport base and technical ventilation with optional **recirculating air filter system** and optional **Q-Mover** for in-house transport

METAL-FREE TRAY SHELVES
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Model Q30.195.116.FU.WDAS
Order No. 37579-060-34637



Model Q30.195.086.FU.WDAS
Order No. 37580-060-34628



Model Q30.195.056.FU.WDAS
Order No. 37582-060-34617

| Technical data | | 37582 | 37580 | 37579 mm |
|--|-------------------|------------------|------------------|-------------------|
| External dimensions W x D x H | mm | 564 x 620 x 1947 | 864 x 620 x 1947 | 1164 x 620 x 1947 |
| Internal dimensions W x D x H | mm | 450 x 519 x 1626 | 750 x 519 x 1626 | 1050 x 519 x 1626 |
| Weight without interior equip. | kg | 146 | 195 | 240 |
| Air change 10 times | m ³ /h | 4 | 6 | 9 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 10 | 10 | 10 |
| Entry height transport base | mm | 90 | 90 | 90 |
| Entry width transport base | mm | 412 | 788 | 1012 |

Main features



Bi-colour design



Accessible transport base





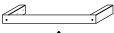



TRIPLE CERTIFIED

You will find technical drawings and adjustment heights for these cabinet models from page 88

| Model | Body colour | Door colour | Order No. |
|---------------------|-----------------|--|-------------------------------|
| Q30.195.116.FU.WDAS | anthracite grey | warning yellow RAL 1004 light grey RAL 7035 | 37579-060 37579-061 |
| | | | Door hinge: left right |
| Q30.195.086.FU.WDAS | anthracite grey | warning yellow RAL 1004 light grey RAL 7035 | 37580-060 37580-061 |
| | | | 37581-060 37581-061 |
| | | | Door hinge: left right |
| Q30.195.056.FU.WDAS | anthracite grey | warning yellow RAL 1004 light grey RAL 7035 | 37582-060 37582-061 |
| | | | 37583-060 37583-061 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|------------------------------------|-----------|
| Q30.195.116.FU.WDAS | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34637 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34638 |
| 3x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34639 |
| 4x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 34640 |
| 3x tray shelf (V=33.0L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37588 |
| 4x tray shelf (V=33.0L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37591 |
| 3x tray shelf (V=33.0L), 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37600 |
| 4x tray shelf (V=33.0L), 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 37603 |
| Q30.195.086.FU.WDAS(R) | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34628 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34629 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34630 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34631 |
| 3x tray shelf (V=23.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37589 |
| 4x tray shelf (V=23.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37592 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37601 |
| 4x tray shelf (V=23.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37604 |
| Q30.195.056.FU.WDAS(R) | | |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34617 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34618 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34615 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 34616 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37590 |
| 4x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37593 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37602 |
| 4x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 37605 |

Accessories for these cabinet models:

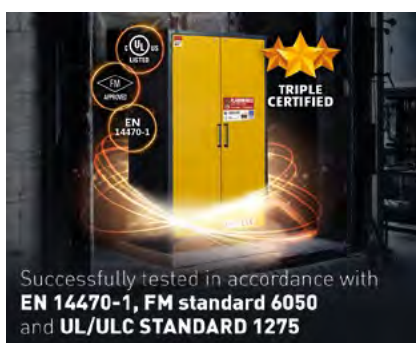
| Accessories | Material | W x D x H (mm) | Order No. |
|---|---------------------------------------|-----------------|-----------|
|  | panel melamine resin-coated RAL 7016 | 486 x 536 x 88 | 31923 |
|  Base cover | panel melamine resin-coated RAL 7016 | 786 x 536 x 88 | 31924 |
|  | panel melamine resin-coated RAL 7016 | 1086 x 536 x 88 | 31925 |
|  | panel melamine resin-coated RAL 7016 | 486 x 536 x 88 | 31004 |
|  Base cover with adjusting device (available for order only in combination with cabinet) | panel melamine resin-coated RAL 7016 | 786 x 536 x 88 | 31010 |
|  | panel melamine resin-coated RAL 7016 | 1086 x 536 x 88 | 31005 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |

* usable storage space W x D (mm)

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Storage heights

Safety storage cabinets type 90

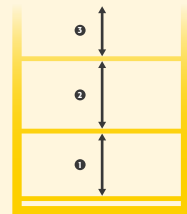
Q90.195.120(.WDAC/.FD/.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 150 | | | | | | | | | |
| Distance 8 (mm) | 135 | 150 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 150 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 250 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 280 | 250 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 345 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 440 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 920 | |
| Distance 1 (mm) | 230 | 230 | 265 | 265 | 295 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 90 | Aerosol cans | 400 ml |
| 40 | Cans | 1 litre |
| 40 | Laboratory glass bottles | 1 litre |
| 40 | Laboratory PE-bottles | 1 litre |
| 15 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



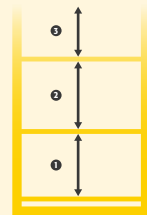
Q90.195.090(.WDAC/.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 150 | | | | | | | | | |
| Distance 8 (mm) | 135 | 150 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 150 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 250 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 280 | 250 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 345 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 440 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 920 | |
| Distance 1 (mm) | 230 | 230 | 265 | 265 | 295 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 49 | Aerosol cans | 400 ml |
| 23 | Cans | 1 litre |
| 23 | Laboratory glass bottles | 1 litre |
| 23 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



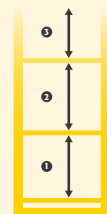
Q90.195.060(.WDAC/.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Distance 9 (mm) | 145 | | | | | | | | | |
| Distance 8 (mm) | 135 | 145 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 240 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 230 | 240 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 275 | 145 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 265 | 230 | 340 | 275 | | |
| Distance 3 (mm) | 135 | 170 | 170 | 230 | 330 | 230 | 360 | 295 | 435 | |
| Distance 2 (mm) | 170 | 170 | 170 | 230 | 265 | 230 | 360 | 295 | 520 | 915 |
| Distance 1 (mm) | 230 | 230 | 200 | 265 | 330 | 475 | 425 | 475 | 550 | 615 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



Safety storage cabinets type 90

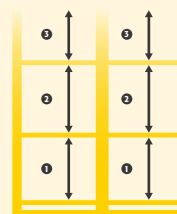
Q90.195.120.MV

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Distance 9 (mm) | 145 | | | | | | | | | |
| Distance 8 (mm) | 135 | 145 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 240 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 230 | 240 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 275 | 145 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 265 | 230 | 340 | 275 | | |
| Distance 3 (mm) | 135 | 170 | 170 | 230 | 330 | 230 | 360 | 295 | 435 | |
| Distance 2 (mm) | 170 | 170 | 170 | 230 | 265 | 230 | 360 | 295 | 520 | 915 |
| Distance 1 (mm) | 230 | 230 | 200 | 265 | 330 | 475 | 425 | 475 | 550 | 615 |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |



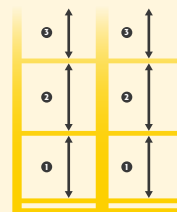
Q90.195.120.MM

| Drawers/number | Upper compartments | Lower compartments |
|-----------------|--------------------|--------------------|
| Distance 2 (mm) | 2 | 2 |
| Distance 1 (mm) | 340 | 339 |
| Distance 1 (mm) | 330 | 330 |

| Shelves/number | Upper compartments | Lower compartments |
|-----------------|--------------------|--------------------|
| Distance 1 (mm) | 2 | 2 |
| Distance 1 (mm) | 315 | 315 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |



Safety storage cabinets type 30

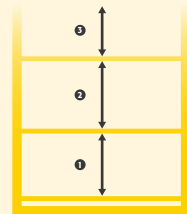
Q30.195.116(.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 130 | | | | | | | | | |
| Distance 8 (mm) | 135 | 130 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 130 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 230 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 230 | 230 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 325 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 420 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 900 | |
| Distance 1 (mm) | 230 | 230 | 230 | 265 | 295 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 90 | Aerosol cans | 400 ml |
| 40 | Cans | 1 litre |
| 40 | Laboratory glass bottles | 1 litre |
| 40 | Laboratory PE-bottles | 1 litre |
| 15 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 350 | | |
| Distance 3 (mm) | 285 | 380 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



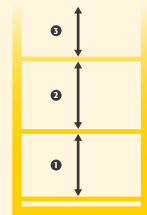
Q30.195.086.WD(.WDFW/.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 130 | | | | | | | | | |
| Distance 8 (mm) | 135 | 130 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 130 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 230 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 230 | 230 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 325 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 420 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 900 | |
| Distance 1 (mm) | 230 | 230 | 265 | 265 | 330 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 49 | Aerosol cans | 400 ml |
| 23 | Cans | 1 litre |
| 23 | Laboratory glass bottles | 1 litre |
| 23 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 350 | | |
| Distance 3 (mm) | 285 | 380 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



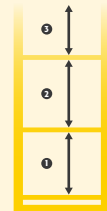
Q30.195.056(.FU.WDAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 125 | | | | | | | | | |
| Distance 8 (mm) | 135 | 125 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 220 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 230 | 220 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 255 | 125 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 265 | | 320 | | | |
| Distance 3 (mm) | 135 | 170 | 170 | 230 | 330 | | 360 | 415 | | |
| Distance 2 (mm) | 170 | 170 | 170 | 230 | 265 | | 360 | 520 | 895 | |
| Distance 1 (mm) | 230 | 230 | 200 | 265 | 330 | | 425 | 550 | 615 | |

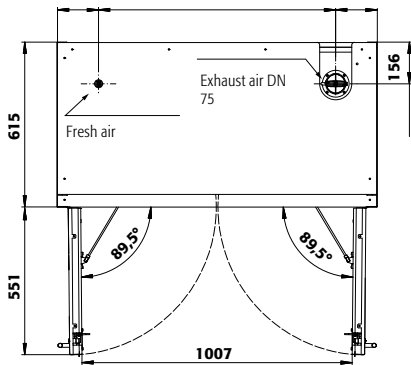
Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

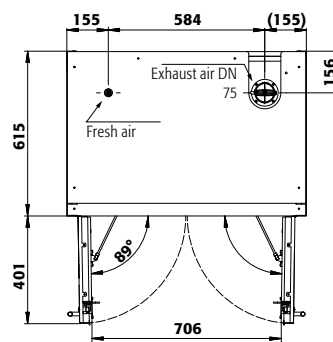
| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 350 | | |
| Distance 3 (mm) | 285 | 380 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



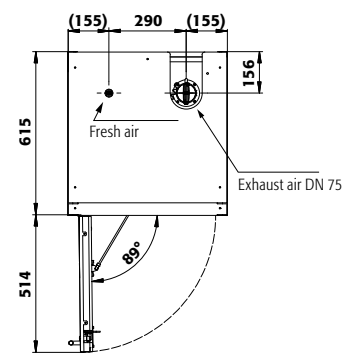
Safety storage cabinets type 90



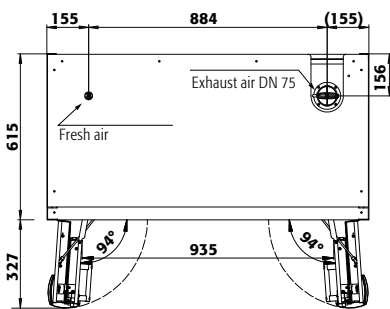
Q90.195.120
Q90.195.120.MV
Q90.195.120.MM
Q90.195.120.FU.WDAS
Q90.195.120.WDAC



Q90.195.090
Q90.195.090.FU.WDAS
Q90.195.090.WDAC

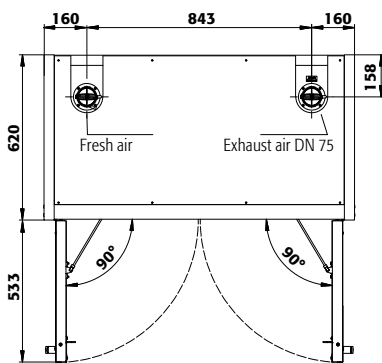


Q90.195.060(R)
Q90.195.060.FU.WDAS(R)
Q90.195.060.WDAC(R)

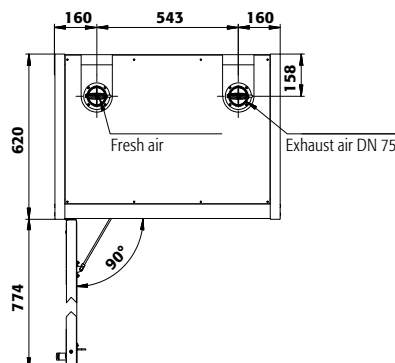


Q90.195.120.FD

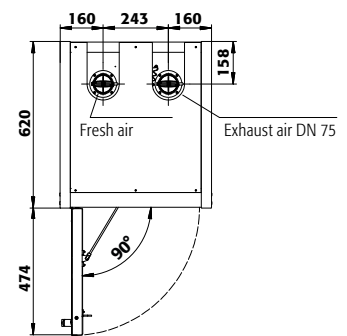
Safety storage cabinets type 30



Q30.195.116
Q30.195.116.FU.WDAS



Q30.195.086.WD(R)
Q30.195.086.WDFW
Q30.195.086.FU.WDAS(R)



Q30.195.056(R)
Q30.195.056.FU.WDAS(R)

**SERVICE AND MAINTENANCE —
OUT AND ABOUT FOR YOUR SAFETY**



asecos is uncompromising when it comes to safety.

Our expertise as developers and manufacturers of technical safety products is also reflected in the range of services we offer. Seamless, professional maintenance can prevent serious damage in critical cases, and is also required by law in many countries.

A selected number of sales partners around the world have undergone a special certification process and are able to provide professional services where asecos cannot be present personally. Ask us for more information.

With the asecos services you are always on the safe side. asecos fulfils these requirements: Inspection and maintenance carried out by our specialised service technicians ensures your safety storage cabinet functions properly. Concluding an asecos service agreement extends your warranty to up to 10 years.

During safety technology inspections, our service experts check all safety-relevant elements such as fire protection and ventilation seals, insulation, door closures, fusible links, ventilation openings for proper function and effectiveness.





The asecos service: Your advantages at a glance

The protective function of your safety storage cabinet (serving as a fire bulkhead for stored hazardous materials in case of a fire) is permanently ensured, extending the service life of your system.

1

You have our guarantee as experts familiar with all regulations, guidelines, and cabinet design requirements.

2

You enjoy up to a 10 year manufacturer warranty, depending on the service rate you select.

3

The asecos team monitors your service date schedule and tells you about upcoming inspections.

4

Complete, consistent documentation and availability of all spare parts (min. 10 years).

5

Our safety technology inspection fulfils the requirements of EG directive 89/391/EC.

6

Comprehensive service network

7

We can carry out 98% of all the repairs in case of manufactured products within the scope of the deadline for the safety-related inspection – this means just one visit to you and saves money too.

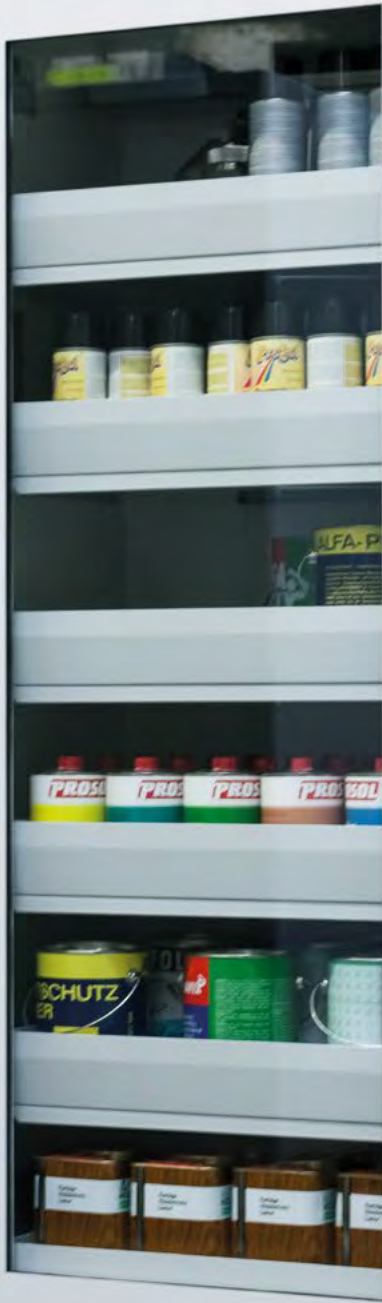
8



FX LINE C



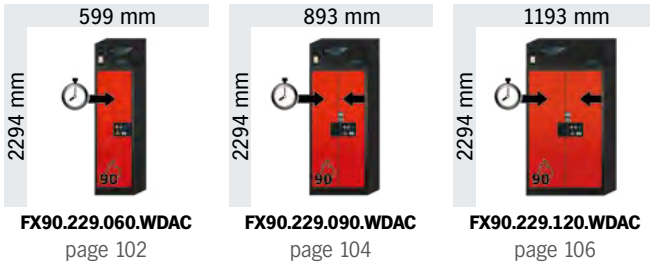
30
EN 12455-2
Warning symbols: no open flames, no smoking, and a flame hazard symbol.



Overview

Recirculating air filter storage cabinets type 90

FX-PEGASUS-90 | model class with wing doors, door open arrest system, automatic door closing (TSA), one-hand operation (AGT) and recirculating air filter system



FX-CLASSIC-90 | model class with wing doors, vertical dividing wall and recirculating air filter system



Recirculating air filter storage cabinets type 30

FX-DISPLAY-30 | model class with wing door with glass openings and recirculating air filter system



FX-LINE | FX-CLASSIC-90

Safe and approved storage of flammable liquids and further hazardous substances

1

Safety for employees

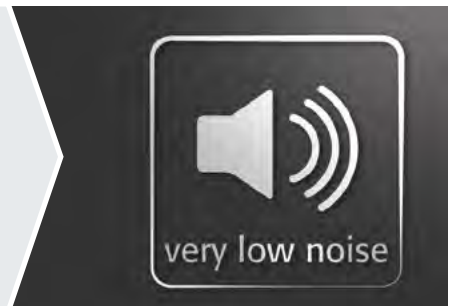
Avoidance of explosive atmospheres, extraction and filtering of vapours that are harmful to health.



2

Low noise level

At approx. 39 dB (A), the unit is extremely quiet and does not produce any perturbing noises. Visual and acoustic signals provide a clear warning in an emergency and, in combination with the potential-free alarm contact, ensure maximum safety.



3

Eco-friendly filter with electronic monitoring

Long filter lifetimes, environmentally and customer-friendly reusable filter system, filter saturation by solvent vapours (hydrocarbons), air recirculation rate (exhaust air quantity), service intervals, scheduling for the manual filter saturation check.



4

High flexibility

Integrated transport base for simple inhouse transport.



5

Modern bicolour system

The new recirculating air filter storage cabinets bring colour to your workplace, body in modern Anthracite grey, cabinet doors available in Traffic red, Warning yellow or Light grey.



6

Cylinder lock

Door lockable with cylinder lock, the cabinets can be integrated by the customer into an existing locking system.



7

The FX-LINE

Is based on the Q-CLASSIC-90, Q-PEGASUS-90 and Q-DISPLAY-30 cabinets.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **Fire resistance of 30 minutes** (type 30), type-tested in accordance with EN 14470-1



- **GS-test** of the Q-LINE safety storage cabinets according to the requirements of EN 14470-1 (except model FX-DISPLAY-30)



- Conformity of the Q-LINE safety storage cabinets according to **EN 16121** and **16122** (EN 16121:2013+A1:2017)



- **ATEX-conformity:** CE II 3/-G Ex ic nA IIB T4 Gc
- super quiet - approx. 39 dB (A)
- optical and acoustic alarm including potential-free alarm contact



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to five years** in connection with an asecos service tariff



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... **probably not.**

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.



The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.



Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!



FX-LINE | FX-CLASSIC-90



Model FX90.229.120.MV
Order No. 33286-040-33544



Model FX90.229.120.MV
Order No. 33286-041-33657






Model FX90.229.120.MV
Order No. 33286-046-33656

Technical data

| | | |
|--------------------------------|----|---|
| External dimensions W x D x H | mm | 1193 x 615 x 2294 |
| Internal dimensions W x D x H | mm | left: 450 x 522 x 1647 right: 450 x 522 x 1647 |
| Weight without interior equip. | kg | 554 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1120 |
| Frequency | Hz | 50 |
| Power consump. in operation | W | 120 |
| Power consump. in standby mode | W | 50 |
| Max. current consumption | A | 0.5 |

Main features












-  Self-sufficient and flexible storage solution
-  Type 90 cabinet incl. recirculating air filter unit
-  Dividing wall separates two storage compartments

You will find technical drawings and adjustment heights for these cabinet models from page 110

| Model | Body colour | Door colour | Order No. |
|-----------------|--------------------------|--|-------------------------------------|
| FX90.229.120.MV | anthracite grey RAL 7016 | warning yellow RAL 1004 light grey RAL 7035 traffic red RAL 3020 | 33286-040 33286-041 33286-046 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|-----------|
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33656 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33544 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37694 |
| Left: 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37695 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33657 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33658 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|---|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |
|  Activated carbon replacement filter | activated carbon | 270 x 270 x 246 | 32950 |

* usable storage space W x D

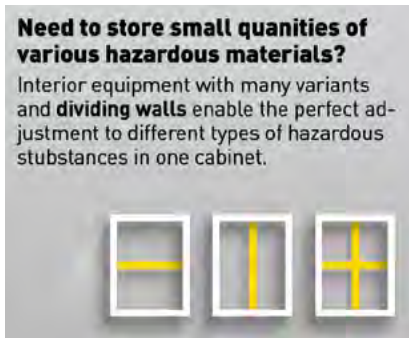
Can't find a suitable interior equipment package for your application?

– together with our experts you will find the right solution.

EASY FILTER CHANGE
Filters with a long service life can be exchanged in just a few steps.



Need to store small quantities of various hazardous materials?
Interior equipment with many variants and **dividing walls** enable the perfect adjustment to different types of hazardous substances in one cabinet.



CONVENIENT STORAGE AND RETRIEVAL
Doors remain open for safe and convenient operation at any position.



ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?
Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com



FX-LINE | FX-PEGASUS-90



Model FX90.229.120.WDAC
Order No. 32905-040-33647



Model FX90.229.120.WDAC
Order No. 32905-041-33649



Model FX90.229.120.WDAC
Order No. 32905-046-33635

Technical data

| | | |
|--------------------------------|----|-------------------|
| External dimensions W x D x H | mm | 1193 x 615 x 2294 |
| Internal dimensions W x D x H | mm | 1050 x 522 x 1647 |
| Weight without interior equip. | kg | 459 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 1120 |
| Frequency | Hz | 50 |
| Power consump. in operation | W | 120 |
| Power consump. in standby mode | W | 50 |
| Max. current consumption | A | 0.5 |

Main features



Self-sufficient and flexible storage solution



Type 90 cabinet incl. recirculating air filter unit






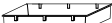







Doors with one-hand operation (AGT), door open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 110

| Model | Body colour | Door colour | Order No. |
|-------------------|--------------------------|-------------------------|-----------|
| FX90.229.120.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | 32905-040 |
| | | light grey RAL 7035 | 32905-041 |
| | | traffic red RAL 3020 | 32905-046 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33635 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33636 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33637 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33638 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33640 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30816 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33642 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33643 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33644 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33645 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30817 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30013 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30014 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33647 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33648 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33649 |
| 4x drawer [V=29.0L] | stainless steel | 33651 |
| 5x drawer [V=29.0L] | stainless steel | 33652 |
| 6x drawer [V=29.0L] | stainless steel | 33653 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|---|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Base cover | sheet steel powder-coated textured RAL 7016 | 1118 x 35 x 85 | 30036 |
|  Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |
|  Activated carbon replacement filter | activated carbon | 270 x 270 x 246 | 32950 |

* usable storage space W x D


Can't find a suitable interior equipment package for your application?

– together with our experts you will find the right solution.

Are you looking for a comfortable storage solution for your hazardous material containers?



Operate **two doors** with **one hand!**



METAL-FREE TRAY SHELVES
with chemical resistant surface lamination, ideal for the storage of flammable, aggressive hazardous substances

EASY FILTER CHANGE
Filters with a long service life can be exchanged in just a few steps.




SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.

You can find our service tariffs from page 512

FX-LINE | FX-PEGASUS-90



Model FX90.229.090.WDAC
Order No. 32910-046-33622



Model FX90.229.090.WDAC
Order No. 32910-041-33627






Model FX90.229.090.WDAC
Order No. 32910-040-33629

Technical data

| | | |
|--------------------------------|----|------------------|
| External dimensions W x D x H | mm | 893 x 615 x 2294 |
| Internal dimensions W x D x H | mm | 750 x 522 x 1647 |
| Weight without interior equip. | kg | 370 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 820 |
| Frequency | Hz | 50 |
| Power consump. in operation | W | 120 |
| Power consump. in standby mode | W | 50 |
| Max. current consumption | A | 0.5 |

Main features












-  Self-sufficient and flexible storage solution
-  Type 90 cabinet incl. recirculating air filter unit
-  Doors with one-hand operation (AGT), door open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 110

| Model | Body colour | Door colour | Order No. |
|-------------------|--------------------------|-------------------------|-----------|
| FX90.229.090.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | 32910-040 |
| | | light grey RAL 7035 | 32910-041 |
| | | traffic red RAL 3020 | 32910-046 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33622 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33623 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33624 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33625 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30818 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30047 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30048 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30049 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30050 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30819 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30051 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30052 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33627 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33628 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33629 |
| 4x drawer (V=19.0L) | stainless steel | 33631 |
| 5x drawer (V=19.0L) | stainless steel | 33632 |
| 6x drawer (V=19.0L) | stainless steel | 33633 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|-------------------------------------|---|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  | Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  | Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover | sheet steel powder-coated textured RAL 7016 | 818 x 35 x 85 | 30069 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |
|  | Activated carbon replacement filter | activated carbon | 270 x 270 x 246 | 32950 |

* usable storage space W x D

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FX-LINE | FX-PEGASUS-90



Model FX90.229.060.WDAC
Order No. 32915-046-33600



Model FX90.229.060.WDAC
Order No. 32915-040-33608



Model FX90.229.060.WDAC
Order No. 32915-041-33610

Technical data

| | | |
|--------------------------------|----|------------------|
| External dimensions W x D x H | mm | 599 x 615 x 2294 |
| Internal dimensions W x D x H | mm | 450 x 522 x 1647 |
| Weight without interior equip. | kg | 287 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 526 |
| Frequency | Hz | 50 |
| Power consump. in operation | W | 120 |
| Power consump. in standby mode | W | 50 |
| Max. current consumption | A | 0.5 |

Main features



Self-sufficient and flexible storage solution



Type 90 cabinet incl. recirculating air filter unit















Door with open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 110

| Model | Body colour | Door colour | Order No. | |
|-------------------|--------------------------|-------------------------|------------------|-----------|
| FX90.229.060.WDAC | anthracite grey RAL 7016 | warning yellow RAL 1004 | Door hinge: left | right |
| | | light grey RAL 7035 | 32915-040 | 32920-040 |
| | | traffic red RAL 3020 | 32915-041 | 32920-041 |
| | | | 32915-046 | 32920-046 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|--|------------------------------------|------------------|-------|
| | | Door hinge: left | right |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33600 | 34371 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33602 | 34372 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33603 | 34373 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33604 | 34374 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33606 | 34375 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30820 | 34369 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30081 | 33412 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30082 | 33413 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30083 | 33414 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30084 | 33415 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30085 | 33416 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30821 | 34370 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30086 | 33417 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30087 | 33418 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33608 | 34376 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33609 | 34377 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33610 | 34378 |
| 4x drawer (V=4.5L) | stainless steel | 33616 | 34381 |
| 5x drawer (V=4.5L) | stainless steel | 33617 | 34382 |
| 6x drawer (V=4.5L) | stainless steel | 33618 | 34383 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33619 | 34384 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | stainless steel | 33620 | 34385 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33612 | 34379 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L) | powder-coated sheet steel RAL 7035 | 33613 | 34380 |

Accessories for these cabinet models:

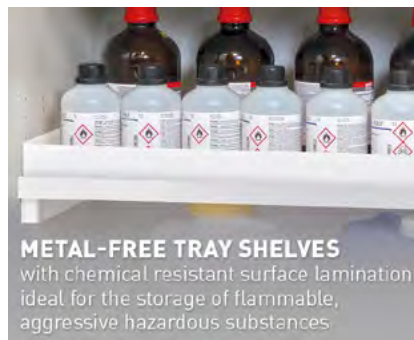
| Accessories | Material | W x D x H (mm) | Order No. | |
|---|--|---|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  | Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  | Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  | Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover | sheet steel powder-coated textured RAL 7016 | 524 x 35 x 85 | 30112 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |
|  | Activated carbon replacement filter | activated carbon | 270 x 270 x 181 | 32951 |

* usable storage space W x D

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FX-LINE | FX-DISPLAY-30



Model FX30.229.086.WDFW
Order No. 32946-060-33622



Model FX30.229.086.WDFW
Order No. 32946-061-33627



Model FX30.229.086.WDFW
Order No. 32946-066-33629

Technical data

| | | |
|--------------------------------|----|------------------|
| External dimensions W x D x H | mm | 864 x 620 x 2294 |
| Internal dimensions W x D x H | mm | 750 x 519 x 1626 |
| Weight without interior equip. | kg | 245 |
| Entry height transport base | mm | 90 |
| Entry width transport base | mm | 788 |
| Frequency | Hz | 50 |
| Power consump. in operation | W | 120 |
| Power consump. in standby mode | W | 50 |
| Max. current consumption | A | 0.5 |

Main features



Self-sufficient and flexible storage solution



Type 90 cabinet incl. recirculating air filter unit














Model WDFW with glass-fronted wing door

You will find technical drawings and adjustment heights for these cabinet models from page 110

| Model | Body colour | Door colour | Order No. |
|-------------------|-----------------|-------------------------|-----------|
| FX30.229.086.WDFW | anthracite grey | warning yellow RAL 1004 | 32946-060 |
| | | light grey RAL 7035 | 32946-061 |
| | | traffic red RAL 3020 | 32946-066 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33622 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33623 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33624 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33625 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30818 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30047 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30048 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30049 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30050 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30819 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30051 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30052 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33627 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33628 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33629 |
| 4x drawer (V=19.0L) | stainless steel | 33631 |
| 5x drawer (V=19.0L) | stainless steel | 33632 |
| 6x drawer (V=19.0L) | stainless steel | 33633 |

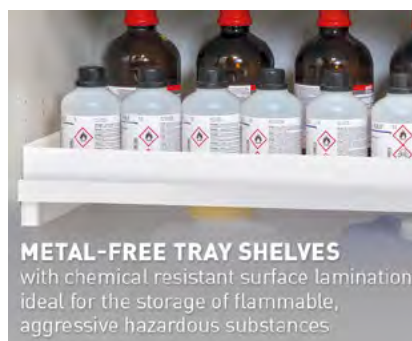
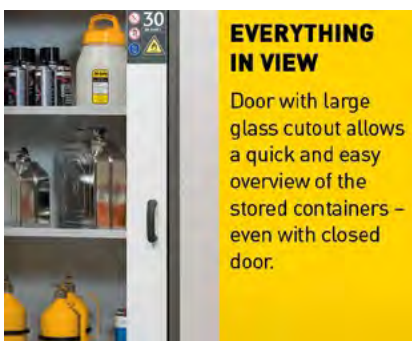
Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|---|---------------------------------------|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  | Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  | Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Base cover with adjusting device (available for order only in combination with cabinet) | panel melamine resin-coated RAL 7016 | 786 x 536 x 88 | 31010 |
|  | Base cover | panel melamine resin-coated RAL 7016 | 786 x 536 x 88 | 31924 |
|  | Q-mover 2 pieces | steel powder-coated textured RAL 7016 | 600 x 140 x 130 | 30037 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Activated carbon replacement filter | activated carbon | 270 x 270 x 181 | 32951 |

* usable storage space W x D

Can't find a suitable interior equipment package for your application?

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Storage heights

Recirculating air filter storage cabinets type 90

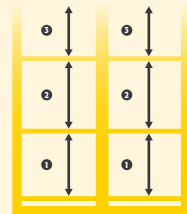
FX90.229.120.MV

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Distance 9 (mm) | 145 | | | | | | | | | |
| Distance 8 (mm) | 135 | 145 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 240 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 230 | 240 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 275 | 145 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 265 | 230 | 340 | 275 | | |
| Distance 3 (mm) | 135 | 170 | 170 | 230 | 330 | 230 | 360 | 295 | 435 | |
| Distance 2 (mm) | 170 | 170 | 170 | 230 | 265 | 230 | 360 | 295 | 520 | 915 |
| Distance 1 (mm) | 230 | 230 | 200 | 265 | 330 | 475 | 425 | 475 | 550 | 615 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



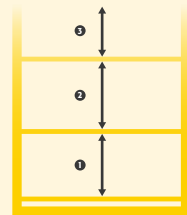
FX90.229.120.WDAC

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 150 | | | | | | | | | |
| Distance 8 (mm) | 135 | 150 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 150 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 250 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 280 | 250 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 345 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 440 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 920 | |
| Distance 1 (mm) | 230 | 230 | 265 | 265 | 295 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 90 | Aerosol cans | 400 ml |
| 40 | Cans | 1 litre |
| 40 | Laboratory glass bottles | 1 litre |
| 40 | Laboratory PE-bottles | 1 litre |
| 15 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



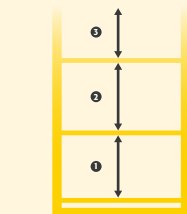
FX90.229.090.WDAC

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance 9 (mm) | 150 | | | | | | | | | |
| Distance 8 (mm) | 135 | 150 | | | | | | | | |
| Distance 7 (mm) | 135 | 170 | 150 | | | | | | | |
| Distance 6 (mm) | 135 | 170 | 200 | 250 | | | | | | |
| Distance 5 (mm) | 135 | 170 | 200 | 230 | 280 | 250 | | | | |
| Distance 4 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 345 | | | |
| Distance 3 (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 440 | | |
| Distance 2 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 920 | |
| Distance 1 (mm) | 230 | 230 | 265 | 265 | 295 | 520 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 49 | Aerosol cans | 400 ml |
| 23 | Cans | 1 litre |
| 23 | Laboratory glass bottles | 1 litre |
| 23 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 370 | | |
| Distance 3 (mm) | 285 | 400 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



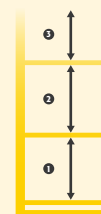
FX90.229.060.WDAC

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Distance ⑨ (mm) | 145 | | | | | | | | | |
| Distance ⑧ (mm) | 135 | 145 | | | | | | | | |
| Distance ⑦ (mm) | 135 | 170 | 240 | | | | | | | |
| Distance ⑥ (mm) | 135 | 170 | 230 | 240 | | | | | | |
| Distance ⑤ (mm) | 135 | 170 | 200 | 230 | 275 | 145 | | | | |
| Distance ④ (mm) | 135 | 170 | 200 | 230 | 265 | 230 | 340 | 275 | | |
| Distance ③ (mm) | 135 | 170 | 170 | 230 | 330 | 230 | 360 | 295 | 435 | |
| Distance ② (mm) | 170 | 170 | 170 | 230 | 265 | 230 | 360 | 295 | 520 | 915 |
| Distance ① (mm) | 200 | 200 | 170 | 230 | 295 | 475 | 390 | 475 | 520 | 585 |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance ④ (mm) | 370 | | |
| Distance ③ (mm) | 285 | 400 | |
| Distance ② (mm) | 315 | 380 | |
| Distance ① (mm) | 315 | 410 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |



Recirculating air filter storage cabinets type 30

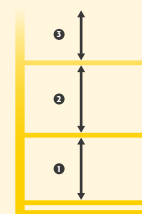
FX30.229.086.WDFW

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|
| Distance ⑨ (mm) | 130 | | | | | | | | | |
| Distance ⑧ (mm) | 135 | 130 | | | | | | | | |
| Distance ⑦ (mm) | 135 | 170 | 130 | | | | | | | |
| Distance ⑥ (mm) | 135 | 170 | 200 | 230 | | | | | | |
| Distance ⑤ (mm) | 135 | 170 | 200 | 230 | 260 | 230 | | | | |
| Distance ④ (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 325 | | | |
| Distance ③ (mm) | 135 | 170 | 200 | 230 | 295 | 230 | 360 | 420 | | |
| Distance ② (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 520 | 900 | |
| Distance ① (mm) | 170 | 170 | 200 | 200 | 230 | 455 | 360 | 490 | 550 | |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance ④ (mm) | 350 | | |
| Distance ③ (mm) | 285 | 380 | |
| Distance ② (mm) | 315 | 380 | |
| Distance ① (mm) | 315 | 410 | |

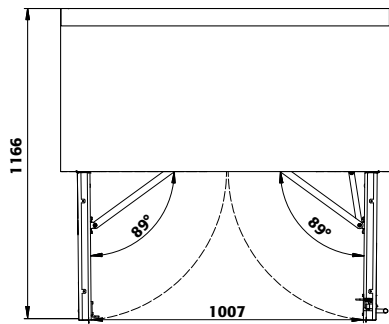
Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 49 | Aerosol cans | 400 ml |
| 23 | Cans | 1 litre |
| 23 | Laboratory glass bottles | 1 litre |
| 23 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |

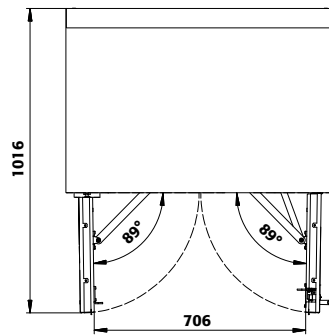


Top views

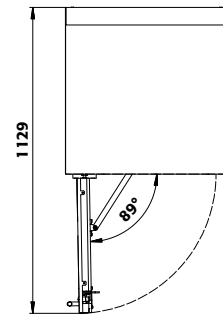
Recirculating air filter storage cabinets type 90



FX90.229.120.WDAC
FX90.229.120.MV

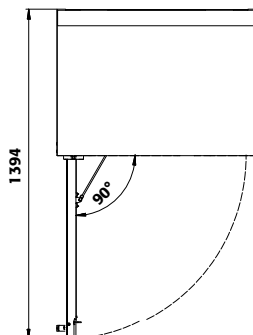


FX90.229.090.WDAC



FX90.229.060.WDAC

Recirculating air filter storage cabinets type 30



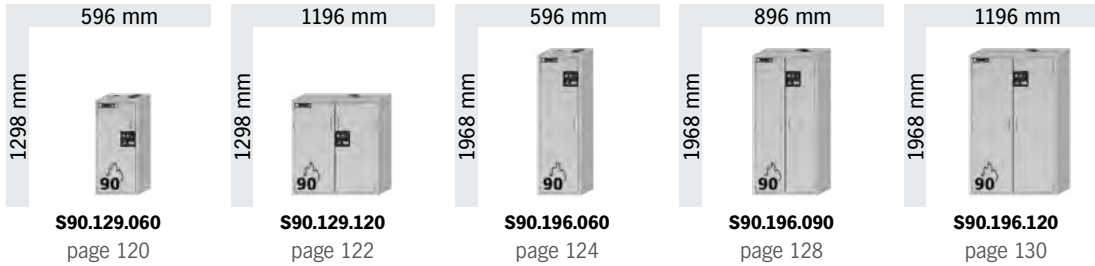
FX30.229.086.WDFW



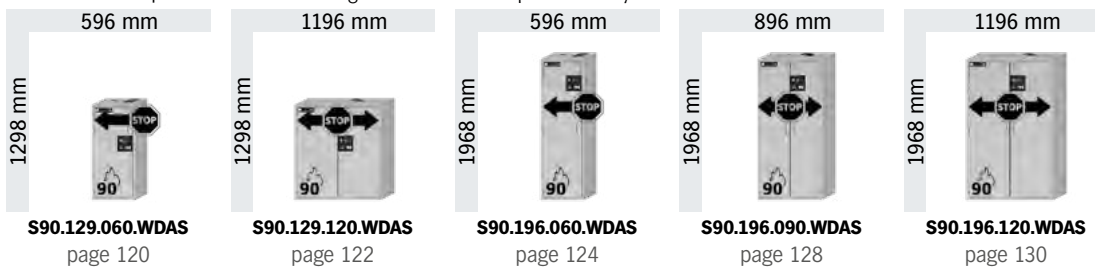
Overview

Safety storage cabinets type 90

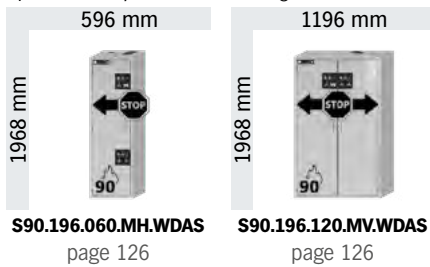
S-CLASSIC-90 | model class with wing doors



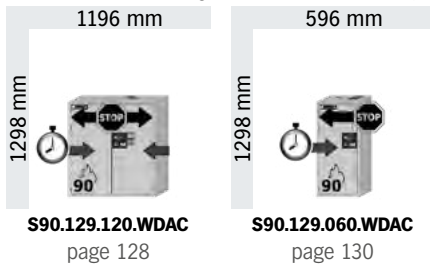
S-CLASSIC-90 | model class with wing doors and door open arrest system



S-CLASSIC-90 | model class with wing doors, door open arrest system and dividing wall



S-PEGASUS-90 | model class with wing doors, door open arrest system, automatic door closing (TSA) and one-hand operation (AGT)



Safety storage cabinets type 30

S-CLASSIC-30 | Model class with wing doors for wall mounting



S-LINE cabinets with folding doors from page 134

S-LINE | S-CLASSIC-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

Proven all-rounder

The right storage solution for every application thanks to a wide variety of models and interior equipment. Choose flexibly from wide and narrow as well as medium height and tall cabinets.



2

Convenient handling

Door operation with minimal effort, door open arrest system (optional) allows convenient and safe removal or storage of containers with both hands.



3

Dividing walls

Optionally available with a dividing wall, creating two storage compartments for the safe, segregated and cost-efficient storage of different hazardous substances in one cabinet.



4

Cylinder lock

Door lockable with cylinder lock, the cabinets can be integrated by the customer into an existing locking system.



5

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

PEGASUS Models

Improved comfort and safety when storing and retrieving hazardous materials thanks to one-hand operation (AGT) of the wing doors, door locking system and automatic door closing system (TSA).





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... **probably not.**

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!

S-LINE | S-CLASSIC-90



Model S90.196.120
Order No. 30115-002-33715



Model S90.196.120.WDAS
Order No. 30116-002-33724





Model S90.196.120.WDAS
Order No. 30116-001-33726

Technical data

| | | |
|---|-------------------|-------------------|
| External dimensions W x D x H | mm | 1196 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 1050 x 524 x 1742 |
| Weight without interior equip. | kg | 420 |
| Air change 10 times | m ³ /h | 10 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features

-  The classic for laboratory and industry
-  Smooth-running doors, effortless operation




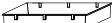




You will find technical drawings and adjustment heights for these cabinet models from page 158

PLEASE NOTE: interior equipment with drawers can only be ordered in combination with WDAS cabinets

| Model | Information / equipment | Colour | Order No. |
|------------------|--|----------------------------------|-----------|
| S90.196.120 | without interior equipment | light grey RAL 7035 | 30115-001 |
| | | warning yellow RAL 1004 | 30115-002 |
| | | laboratory white (sim. RAL 9016) | 30115-005 |
| S90.196.120.WDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30116-001 |
| | | warning yellow RAL 1004 | 30116-002 |
| | | laboratory white (sim. RAL 9016) | 30116-005 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33715 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33716 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33717 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33718 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33719 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30830 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33720 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33721 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33722 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33723 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30831 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30143 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30144 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33724 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33725 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33726 |
| 4x drawer [V=29.0L] | stainless steel | 33727 |
| 5x drawer [V=29.0L] | stainless steel | 33728 |
| 6x drawer [V=29.0L] | stainless steel | 33729 |

Accessories for these cabinet models:

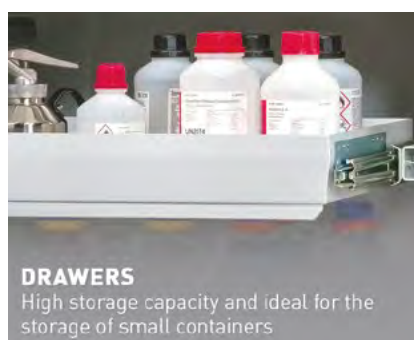
| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

– together with our experts you will find the right solution.




Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.

Further information and suitable solutions for technical ventilation can be found from page 348

S-LINE | S-CLASSIC-90



Model S90.196.090
Order No. 30204-002-33705



Model S90.196.090.WDAS
Order No. 30205-001-33709



Model S90.196.090.WDAS
Order No. 30205-002-33711

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 896 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 750 x 524 x 1742 |
| Weight without interior equip. | kg | 310 |
| Air change 10 times | m ³ /h | 7 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



The classic for laboratory and industry



Smooth-running doors, effortless operation









You will find technical drawings and adjustment heights for these cabinet models from page 158

PLEASE NOTE: interior equipment with drawers can only be ordered in combination with WDAS cabinets

| Model | Information / equipment | Colour | Order No. |
|------------------|--|----------------------------------|-----------|
| S90.196.090 | without interior equipment | light grey RAL 7035 | 30204-001 |
| | | warning yellow RAL 1004 | 30204-002 |
| | | laboratory white (sim. RAL 9016) | 30204-005 |
| S90.196.090.WDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30205-001 |
| | | warning yellow RAL 1004 | 30205-002 |
| | | laboratory white (sim. RAL 9016) | 30205-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33705 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33706 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33707 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33708 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30832 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30212 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30213 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30214 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30215 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30833 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30216 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30217 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33709 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33710 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33711 |
| 4x drawer (V=19.0L) | stainless steel | 33712 |
| 5x drawer (V=19.0L) | stainless steel | 33713 |
| 6x drawer (V=19.0L) | stainless steel | 33714 |

Accessories for these cabinet models:

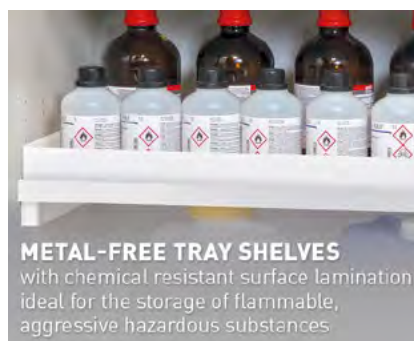
| Accessories | Material | W x D x H (mm) | Order No. | |
|---|---------------------------------|------------------------------------|-----------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  | Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  | Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

– together with our experts you will find the right solution.



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascoco services** you are always on the safe side.

You can find our service tariffs from page 512

S-LINE | S-CLASSIC-90



Model S90.196.060
Order No. 30227-002-33659



Model S90.196.060.WDAS
Order No. 30228-002-33683



Model S90.196.060.WDAS
Order No. 30228-001-33681

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 450 x 524 x 1742 |
| Weight without interior equip. | kg | 260 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



The classic for laboratory and industry



Smooth-running doors, effortless operation










You will find technical drawings and adjustment heights for these cabinet models from page 158

PLEASE NOTE: interior equipment with drawers can only be ordered in combination with WDAS cabinets

| Model | Information / equipment | Colour | Order No. | |
|------------------|---|----------------------------------|-------------------------|-----------|
| S90.196.060 | without interior equipment, left hinged | light grey RAL 7035 | Door hinge: left | right |
| | | warning yellow RAL 1004 | 30227-001 | 30229-001 |
| | | laboratory white (sim. RAL 9016) | 30227-002 | 30227-002 |
| S90.196.060.WDAS | without interior equipment, left hinged, with door open arrest system | light grey RAL 7035 | 30227-005 | 30227-005 |
| | | warning yellow RAL 1004 | 30228-001 | 30230-001 |
| | | laboratory white (sim. RAL 9016) | 30228-002 | 30230-002 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|---|------------------------------------|-------------------------|-------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | Door hinge: left | right |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33659 | 34387 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33660 | 34388 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33661 | 34389 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33662 | 34390 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33663 | 34391 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30834 | 34386 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30257 | 33451 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30258 | 33452 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30260 | 33454 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30261 | 33455 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30263 | 33457 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30835 | 30835 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30266 | 33460 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30265 | 33459 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33681 | 34392 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33682 | 34393 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33683 | 34394 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30270 | 33464 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30271 | 33465 |
| 4x drawer (V=4.5L) | stainless steel | 33686 | 34397 |
| 5x drawer (V=4.5L) | stainless steel | 33687 | 34398 |
| 6x drawer (V=4.5L) | stainless steel | 33688 | 34399 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30275 | 33469 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30276 | 33470 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

– together with our experts you will find the right solution.



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

S-LINE | S-CLASSIC-90



Model S90.196.120.MV.WDAS
Order No. 30348-001-33848



Model S90.196.120.MV.WDAS
Order No. 30348-001-33849



Model S90.196.060.MH.WDAS
Order No. 30353-001-33837

Technical data

| | | S90.196.060.MH.WDAS | S90.196.120.MV.WDAS |
|---|-------------------|----------------------------|----------------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1968 | 1 196 x 616 x 1968 |
| Internal dimensions W x D x H | mm | top: 450 x 524 x 877 | left: 450 x 524 x 1742 |
| | | bottom: 450 x 524 x 845 | right: 450 x 524 x 1742 |
| Weight without interior equip. | kg | 260 | 515 |
| Air change 10 times | m ³ /h | 4 | 8 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 | 5 |

Main features



Doors with open-arrest system











Dividing wall separates two storage compartments

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|---------------------|--|----------------------------------|-------------------------------|
| S90.196.120.MV.WDAS | without interior equipment, with door open arrest system, with vertical dividing wall | light grey RAL 7035 | 30348-001 |
| | | warning yellow RAL 1004 | 30348-002 |
| | | laboratory white (sim. RAL 9016) | 30348-005 |
| S90.196.060.MH.WDAS | without interior equipment, left hinged, with door open arrest system, with horizontal dividing wall | | Door hinge: left right |
| | | light grey RAL 7035 | 30353-001 33823-001 |
| | | warning yellow RAL 1004 | 30353-002 33823-002 |
| | | laboratory white (sim. RAL 9016) | 30353-005 33823-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|--|
| S90.196.120.MV.WDAS | | |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33848 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 30350 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37683 |
| Left: 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37684 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33849 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33850 |
| S90.196.060.MH.WDAS | | |
| Top: 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | Door hinge: left right 33835 34423 |
| Top: 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 30355 33489 |
| Top: 2x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37685 37702 |
| Top: 2x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37686 37703 |
| Top: 2x drawer (V=4.5L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33836 34424 |
| Top: 3x drawer (V=4.5L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33837 34425 |


Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|--|------------------------------------|-----------------|-------|
| All models | | | | |
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  | Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  | Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



DRAWERS
High storage capacity and ideal for the storage of small containers

Need to store small quantities of various hazardous materials?
Interior equipment with many variants and **dividing walls** enable the perfect adjustment to different types of hazardous substances in one cabinet.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.
Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352

ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?
Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com





Model S90.129.120
Order No. 30121-002-33744



Model S90.129.120.WDAC
Order No. 30123-002-33753






Model S90.129.120.WDAS
Order No. 30122-001-33754

Technical data

| | | |
|--|-------------------|-------------------|
| External dimensions W x D x H | mm | 1196 x 616 x 1298 |
| Internal dimensions W x D x H | mm | 1050 x 524 x 1072 |
| Weight without interior equip. | kg | 270 |
| Air change 10 times | m ³ /h | 6 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |

Main features

-  Cabinet height of 129 cm
-  Model WDAS incl. doors with open-arrest system
-  Model WDAC incl. doors with one-hand operation (AGT), open-arrest system and automatic closing system (TSA)




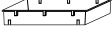




You will find technical drawings and adjustment heights for these cabinet models from page 158

PLEASE NOTE: interior equipment with drawers can only be ordered in combination with WDAC and WDAS cabinets

| Model | Information / equipment | Colour | Order No. |
|------------------|--|-------------------------|-----------|
| S90.129.120 | without interior equipment | light grey RAL 7035 | 30121-001 |
| | | warning yellow RAL 1004 | 30121-002 |
| S90.129.120.WDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30122-001 |
| | | warning yellow RAL 1004 | 30122-002 |
| S90.129.120.WDAC | without interior equipment, with TSA, AGT, door open arrest system | light grey RAL 7035 | 30123-001 |
| | | warning yellow RAL 1004 | 30123-002 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|------------------------------------|-----------|
| 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33744 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33745 |
| 2x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33746 |
| 3x shelf, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33747 |
| 2x tray shelf (V=33.0L), 1x perforated insert, 1x bottom collecting sump (V=55.0L) | powder-coated sheet steel RAL 7035 | 33748 |
| 2x tray shelf (V=33.0L), 1x bottom collecting sump (V=55.0L) | powder-coated sheet steel RAL 7035 | 30822 |
| 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 33749 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 33750 |
| 2x shelf, 1x bottom collecting sump (V=33.0L) | stainless steel | 33751 |
| 3x shelf, 1x bottom collecting sump (V=33.0L) | stainless steel | 33752 |
| 2x tray shelf (V=33.0L), 1x bottom collecting sump (V=33.0L) | stainless steel | 30823 |
| 2x tray shelf metal free (V=33.0L), 1x bottom collecting sump (V=33.0L) | PP grey | 30165 |
| 3x tray shelf metal free (V=33.0L), 1x bottom collecting sump (V=33.0L) | PP grey | 30166 |
| 2x drawer (V=29.0L) | powder-coated sheet steel RAL 7035 | 33753 |
| 3x drawer (V=29.0L) | powder-coated sheet steel RAL 7035 | 33754 |
| 2x drawer (V=29.0L) | stainless steel | 33755 |
| 3x drawer (V=29.0L) | stainless steel | 33756 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

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S-LINE | S-CLASSIC-90 | S-PEGASUS-90



Model S90.129.060
Order No. 30238-002-33735



Model S90.129.060.WDAS
Order No. 30239-001-33740



Model S90.129.060.WDAC
Order No. 30242-002-33741

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1298 |
| Internal dimensions W x D x H | mm | 450 x 524 x 1072 |
| Weight without interior equip. | kg | 170 |
| Air change 10 times | m ³ /h | 3 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features

- Cabinet height of 129 cm
- Model WDAS incl. door with open-arrest system
- Model WDAC incl. door with open-arrest system and automatic closing system (TSA)









You will find technical drawings and adjustment heights for these cabinet models from page 158

PLEASE NOTE: interior equipment with drawers can only be ordered in combination with WDAC and WDAS cabinets

| Model | Information / equipment | Colour | Order No. | |
|------------------|--|-------------------------|-------------------------|-----------|
| S90.129.060 | without interior equipment, left hinged | light grey RAL 7035 | Door hinge: left | right |
| | | warning yellow RAL 1004 | 30238-001 | 30240-001 |
| S90.129.060.WDAS | without interior equipment, left hinged, with door open arrest system | light grey RAL 7035 | 30238-002 | 30240-002 |
| | | warning yellow RAL 1004 | 30239-001 | 30241-001 |
| S90.129.060.WDAC | without interior equipment, left hinged, with TSA, door open arrest system | light grey RAL 7035 | 30239-002 | 30241-002 |
| | | warning yellow RAL 1004 | 30242-001 | 30243-001 |
| | | | 30242-002 | 30243-002 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|--|------------------------------------|-------------------------|-------|
| 2x shelf, 1x perforated insert, 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | Door hinge: left | right |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | 33735 | 34413 |
| 2x shelf, 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | 33736 | 34414 |
| 3x shelf, 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | 33737 | 34415 |
| 2x tray shelf [V=11.5L], 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33738 | 34416 |
| 2x tray shelf [V=11.5L], 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | 33739 | 34417 |
| 2x shelf, 1x perforated insert, 1x bottom collecting sump [V=22.0L] | powder-coated sheet steel RAL 7035 | 30825 | 34412 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=22.0L] | stainless steel | 30283 | 33499 |
| 2x shelf, 1x bottom collecting sump [V=22.0L] | stainless steel | 30284 | 33500 |
| 2x shelf, 1x bottom collecting sump [V=22.0L] | stainless steel | 30285 | 33501 |
| 3x shelf, 1x bottom collecting sump [V=22.0L] | stainless steel | 30286 | 33502 |
| 2x tray shelf [V=11.5L], 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 30287 | 33503 |
| 2x tray shelf metal free [V=11.0L], 1x bottom collecting sump [V=11.0L] | PP grey | 30289 | 33505 |
| 3x tray shelf metal free [V=11.0L], 1x bottom collecting sump [V=11.0L] | PP grey | 30290 | 33506 |
| 2x drawer [V=4.5L] | powder-coated sheet steel RAL 7035 | 33740 | 34418 |
| 3x drawer [V=4.5L] | powder-coated sheet steel RAL 7035 | 33741 | 34419 |
| 2x drawer [V=4.5L] | stainless steel | 33742 | 34420 |
| 3x drawer [V=4.5L] | stainless steel | 33743 | 34421 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?




Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.

Further information and suitable solutions for technical ventilation can be found from page 348

S-LINE | S-CLASSIC-30

Safety storage cabinets for the unrestricted storage of flammable hazardous materials in working areas according to EN 14470-1 and TRGS 510

1

Wall-mounted

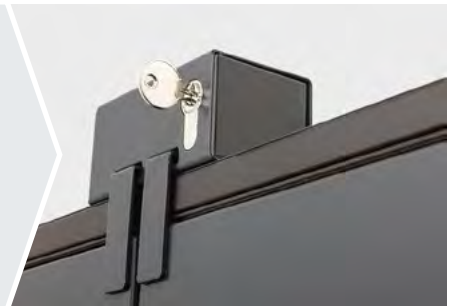
With wall-mounting capability, small quantities of hazardous materials can be stored directly above the workplace - keeping contents within easy reach and eliminating travel time.



2

No unauthorised use

Optional lockable version with profile cylinder.



3

Ventilation

Even ventilation and extraction of the entire cabinet interior. Integrated air ducts ready for connection (DN 75) to a technical exhaust system. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



S-LINE | S-CLASSIC-30



Model S30.045.097.WM
Order No. 32467-912



Model S30.045.097.WM with cylinder locking
Order No. 32467-911

Technical data

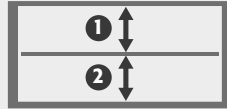
S30.045.097.WM

| | | |
|--|-------------------|-----------------|
| External dimensions W x D x H | mm | 995 x 470 x 482 |
| Internal dimensions W x D x H | mm | 942 x 419 x 414 |
| Weight without interior equip. | kg | 75 |
| Extraction air | DN | 75 |
| Air change 10 times | m ³ /h | 2 |
| Diff. pressure (air change 10 times) | Pa | 1 |
| Maximum load | kg | 150 |

Usable storage heights

S30.045.097.WM

| | | |
|---|----|-----|
| 1 | mm | 202 |
| 2 | mm | 207 |



Main features



Type 30 safety box for wall mounting

You will find technical drawings for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|----------------|---|--------------------------|-----------|
| S30.045.097.WM | Interior equipment with bottom collecting sump (sheet steel powder-coated), for wall mounting, with profile cylinder lock | anthracite grey RAL 7016 | 32467-911 |
| | Interior equipment with bottom collecting sump (sheet steel powder-coated), for wall mounting | anthracite grey RAL 7016 | 32467-912 |

| Interior equipment | Material | W x D x H (mm) |  ¹⁾ |  ²⁾ |  ³⁾ | Order No. |
|--------------------|------------------------------------|----------------|---|---|---|-----------|
| Tray shelf | powder-coated sheet steel RAL 7035 | 935 x 390 x 50 | 25.00 | 10.00 | 9.09 | 29573 |

* usable storage space W x D (mm)

1) load capacity (kg), 2) retention capacity (ltr), 3) maximum container volume in the cabinet (ltr)

| Accessories | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 17178 |
| Adapter for wall mounting | 23458 |



labmodul
GREENLINE PRO

asecos

⊘ (No open flames) ⊘ (No smoking) ⊘ (No hot surfaces)

EN 14470-1



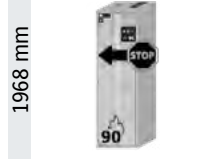
90

V HOLD RUDEN LUKKET
KEEP SASH CLOSED


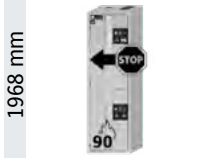
Overview

Safety storage cabinets type 90



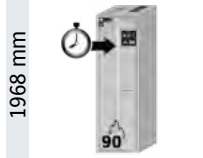
S-PHOENIX-90 | model class with folding doors and door open arrest system

| | | | |
|---|---|---|--|
| 1196 mm | 896 mm | 596 mm | 596 mm |
|  |  |  |  |
| S90.196.120.FDAS page 140 | S90.196.090.FWAS page 142 | S90.196.060.FDAS page 144 | S90.196.060.075.FDAS page 146 |

S-PHOENIX-90 | model class with folding doors, door open arrest system and dividing wall

| | |
|---|---|
| 1196 mm | 596 mm |
|  |  |
| S90.196.120.MV.FDAS page 148 | S90.196.060.MH.FDAS page 148 |

S-PHOENIX Vol.2-90 | model class with wing and folding doors, door open arrest system, automatic door closing (TSA) and one-hand operation (AGT)

| | | |
|---|---|---|
| 1196 mm | 596 mm | 596 mm |
|  |  |  |
| S90.196.120.FDAC page 152 | S90.196.060.FDAC page 154 | S90.196.060.075.FDAC page 156 |

Discover more models in the **online product configurator:**

S-PHOENIX touchless-90
Safety storage cabinets type 90 with fully automatic folding doors

S-PHOENIX-30
Safety storage cabinets type 30 with folding doors

www.asecos-configurator.com



S-LINE | S-PHOENIX-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

The space-saving talent

Space-saving folding doors, ideal for use in case of narrow passage widths in front of the cabinet. Continuous anti-trapping door strips on the folding doors offer maximum protection during operation.



2

Convenient handling

Door operation with minimal effort, door open arrest system allows convenient and safe removal or storage of containers with both hands.



3

Dividing walls

Optionally available with a dividing wall, creating two storage compartments for the safe, segregated and cost-efficient storage of different hazardous substances in one cabinet.



4

Cylinder lock

Door lockable with cylinder lock, the cabinets can be integrated by the customer into an existing locking system.



5

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Special depth

Optimal use of space due to the optional cabinet depth of 75 cm.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... **probably not.**

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers



Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!

S-LINE | S-PHOENIX-90



Model S90.196.120.FDAS
Order No. 30118-005-33715



Model S90.196.120.FDAS
Order No. 30118-001-33724



Model S90.196.120.FDAS
Order No. 30118-002-33726

Technical data

| | | |
|---|-------------------|-------------------|
| External dimensions W x D x H | mm | 1196 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 1050 x 524 x 1742 |
| Weight without interior equip. | kg | 420 |
| Air change 10 times | m ³ /h | 10 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



Space-saving folding doors






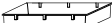




Doors with open-arrest system

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|------------------|--|----------------------------------|-----------|
| S90.196.120.FDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30118-001 |
| | | warming yellow RAL 1004 | 30118-002 |
| | | laboratory white (sim. RAL 9016) | 30118-005 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33715 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33716 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33717 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33718 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33719 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30830 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33720 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33721 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33722 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33723 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30831 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30143 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30144 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33724 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33725 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33726 |
| 4x drawer [V=29.0L] | stainless steel | 33727 |
| 5x drawer [V=29.0L] | stainless steel | 33728 |
| 6x drawer [V=29.0L] | stainless steel | 33729 |

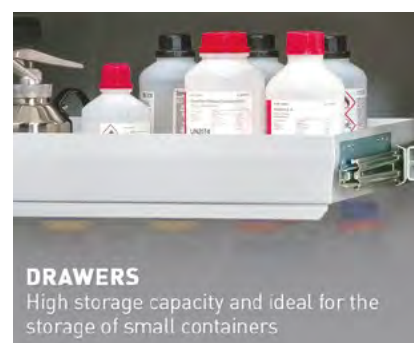
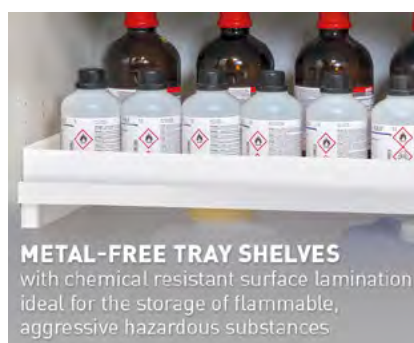
Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|------------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?




Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.

Further information and suitable solutions for technical ventilation can be found from page 348

S-LINE | S-PHOENIX-90



Model S90.196.090.FWAS
Order No. 30207-005-33705



Model S90.196.090.FWAS
Order No. 30207-001-33709



Model S90.196.090.FWAS
Order No. 30207-002-33711

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 896 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 750 x 524 x 1742 |
| Weight without interior equip. | kg | 310 |
| Air change 10 times | m ³ /h | 7 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



Space-saving folding doors











Doors with open-arrest system

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|------------------|--|----------------------------------|-----------|
| S90.196.090.FWAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30207-001 |
| | | warning yellow RAL 1004 | 30207-002 |
| | | laboratory white (sim. RAL 9016) | 30207-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33705 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33706 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33707 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33708 |
| 3x tray shelf (V=23.5L), 1x bottom collecting sump (V=39.5L) | powder-coated sheet steel RAL 7035 | 30832 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30212 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30213 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30214 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30215 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30833 |
| 3x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30216 |
| 4x tray shelf metal free (V=22.0L), 1x bottom collecting sump (V=22.0L) | PP grey | 30217 |
| 4x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33709 |
| 5x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33710 |
| 6x drawer (V=19.0L) | powder-coated sheet steel RAL 7035 | 33711 |
| 4x drawer (V=19.0L) | stainless steel | 33712 |
| 5x drawer (V=19.0L) | stainless steel | 33713 |
| 6x drawer (V=19.0L) | stainless steel | 33714 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
|  Sump inliner for drawer | PP grey | 534 x 450 x 96* | 27948 |
|  Anti-slip rubber mat for drawer | black | 540 x 490 x 1 | 15653 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?

Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com

S-LINE | S-PHOENIX-90



Model S90.196.060.FDAS
Order No. 30233-001-33659



Model S90.196.060.FDAS
Order No. 30233-001-33681



Model S90.196.060.FDAS
Order No. 30233-002-33683

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 450 x 524 x 1742 |
| Weight without interior equip. | kg | 260 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



Space-saving folding doors












Door with open-arrest system

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. | |
|------------------|---|----------------------------------|-----------|-----------|
| S90.196.060.FDAS | without interior equipment, left hinged, with door open arrest system | light grey RAL 7035 | 30233-001 | 30234-001 |
| | | warning yellow RAL 1004 | 30233-002 | 30234-002 |
| | | laboratory white (sim. RAL 9016) | 30233-005 | 30234-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|---|------------------------------------|-------------------------|-------|
| | | Door hinge: left | right |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33659 | 34387 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33660 | 34388 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33661 | 34389 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33662 | 34390 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33663 | 34391 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30834 | 34386 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30257 | 33451 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30258 | 33452 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30260 | 33454 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30261 | 33455 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30263 | 33457 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30835 | 30835 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30266 | 33460 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30265 | 33459 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33681 | 34392 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33682 | 34393 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33683 | 34394 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30270 | 33464 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30271 | 33465 |
| 4x drawer (V=4.5L) | stainless steel | 33686 | 34397 |
| 5x drawer (V=4.5L) | stainless steel | 33687 | 34398 |
| 6x drawer (V=4.5L) | stainless steel | 33688 | 34399 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30275 | 33469 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30276 | 33470 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



3D

Discover our products in the virtual **3D showroom:**
www.asecos-showroom.com



S-LINE | S-PHOENIX-90



Model S90.196.060.075.FDAS
Order No. 30313-001-33697



Model S90.196.060.075.FDAC
Order No. 30315-001-30321



Model S90.196.060.075.FDAC
Order No. 30315-002-30322

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 749 x 1968 |
| Internal dimensions W x D x H | mm | 450 x 657 x 1742 |
| Weight without interior equip. | kg | 310 |
| Air change 10 times | m ³ /h | 5 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |

Main features



Cabinet depth of 750 mm



Space-saving folding doors







Door with open-arrest system

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. | |
|----------------------|---|----------------------------------|-----------|-----------|
| S90.196.060.075.FDAS | without interior equipment, left hinged, with door open arrest system | light grey RAL 7035 | 30313-001 | 30314-001 |
| | | warning yellow RAL 1004 | 30313-002 | 30314-002 |
| | | laboratory white (sim. RAL 9016) | 30313-005 | 30314-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|---|------------------------------------|-----------|-------|
| 4x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33695 | 34402 |
| 5x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33696 | 34403 |
| 6x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33697 | 34404 |
| 3x drawer (V=5.5L), 1x drawer (disposal) (V=10.0L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30321 | 33480 |
| 4x drawer (V=5.5L), 1x drawer (disposal) (V=10.0L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30322 | 33481 |
| 4x drawer (V=5.5L) | stainless steel | 33700 | 34407 |
| 5x drawer (V=5.5L) | stainless steel | 33701 | 34408 |
| 6x drawer (V=5.5L) | stainless steel | 33702 | 34409 |
| 3x drawer (V=5.5L), 1x drawer (disposal) (V=4.5L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30326 | 33485 |
| 4x drawer (V=5.5L), 1x drawer (disposal) (V=4.5L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30327 | 33486 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Sump inliner for drawer supply | PP undyed | 314 x 560 x 66* | 18473 |
|  Anti-slip rubber mat for drawer supply | black | 630 x 340 x 1 | 8720 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.

You can find our service tariffs from page 512

S-LINE | S-PHOENIX-90



Model S90.196.120.MV.FDAS
Order No. 30708-001-33848



Model S90.196.120.MV.FDAS
Order No. 30708-001-33849






Model S90.196.060.MH.FDAS
Order No. 30709-001-33835

Technical data

| | | S90.196.060.MH.FDAS | S90.196.120.MV.FDAS |
|--|-------------------|----------------------------|----------------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1968 | 1196 x 616 x 1968 |
| Internal dimensions W x D x H | mm | top: 450 x 524 x 877 | left: 450 x 524 x 1742 |
| | | bottom: 450 x 524 x 845 | right: 450 x 524 x 1742 |
| Weight without interior equip. | kg | 260 | 515 |
| Air change 10 times | m ³ /h | 4 | 8 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 | 5 |

Main features

-  Dividing wall separates two storage compartments
-  Space-saving folding doors
-  Doors with open-arrest system









You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|---------------------|---|----------------------------------|-----------|
| S90.196.120.MV.FDAS | without interior equipment, with door open arrest system, with vertical dividing wall | light grey RAL 7035 | 30708-001 |
| | | warming yellow RAL 1004 | 30708-002 |
| | | laboratory white (sim. RAL 9016) | 30708-005 |

| Model | Information / equipment | Colour | Door hinge: | |
|---------------------|--|----------------------------------|-------------|-----------|
| | | | left | right |
| S90.196.060.MH.FDAS | without interior equipment, left hinged, with door open arrest system, with horizontal dividing wall | light grey RAL 7035 | 30709-001 | 31867-001 |
| | | laboratory white (sim. RAL 9016) | 30709-005 | 31867-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|-------------|
| S90.196.120.MV.FDAS | | |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33848 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 30350 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37683 |
| Left: 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37684 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33849 |
| Left: 6x drawer (V=4.5L) Right: 3x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 33850 |
| S90.196.060.MH.FDAS(R) | | |
| Top: 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33835 34423 |
| Top: 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 30355 33489 |
| Top: 2x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 37685 37702 |
| Top: 2x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | stainless steel, PP grey | 37686 37703 |
| Top: 2x drawer (V=4.5L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33836 34424 |
| Top: 3x drawer (V=4.5L) Bottom: 2x tray shelf (V=11.0L), 1x bottom collecting sump (V=11.0L) | powder-coated sheet steel RAL 7035, PP grey | 33837 34425 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |


| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring | 14220 |
| Extraction unit without exhaust air monitoring | 14218 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

Need to store small quantities of various hazardous materials?

Interior equipment with many variants and **dividing walls** enable the perfect adjustment to different types of hazardous substances in one cabinet.

METAL-FREE TRAY SHELVES
with chemical resistant surface lamination, ideal for the storage of flammable, aggressive hazardous substances

Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

The space-saving talent

Space-saving folding doors, ideal for use in case of narrow passage widths in front of the cabinet. Continuous anti-trapping door strips on the folding doors offer maximum protection during operation.



2

One hand operation

One-hand operation for double-door cabinets, container remains in one hand whilst opening, doors remain open with the serial door open arrest system, convenient and safe removal or storage of containers.



3

Serial automatic door closing

Doors close automatically after approx. 60 seconds. Acoustic and visual signal before closing.



4

Cylinder lock

Door lockable with cylinder lock, the cabinets can be integrated by the customer into an existing locking system.



5

Technical ventilation

Integrated air ducts ready for connection (DN 75) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Special depth

Optimal use of space due to the optional cabinet depth of 75 cm.





S
LINE



- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



S-LINE | S-PHOENIX Vol.2-90



Model S90.196.120.FDAC
Order No. 30119-002-33715



Model S90.196.120.FDAC
Order No. 30119-001-33724



Model S90.196.120.FDAC
Order No. 30119-001-33726

Technical data

| | | |
|---|-------------------|-------------------|
| External dimensions W x D x H | mm | 1196 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 1050 x 524 x 1742 |
| Weight without interior equip. | kg | 420 |
| Air change 10 times | m ³ /h | 10 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



Space-saving folding doors






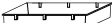




Doors with one-hand operation (AGT), door open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. |
|------------------|--|----------------------------------|-----------|
| S90.196.120.FDAC | without interior equipment, with TSA, AGT, door open arrest system | light grey RAL 7035 | 30119-001 |
| | | warming yellow RAL 1004 | 30119-002 |
| | | laboratory white (sim. RAL 9016) | 30119-005 |

| Interior equipment packages [can only be ordered in combination with the cabinet] | Material | Order No. |
|--|------------------------------------|-----------|
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33715 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33716 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33717 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | powder-coated sheet steel RAL 7035 | 33718 |
| 3x tray shelf [V=33.0L], 1x perforated insert, 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 33719 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=55.0L] | powder-coated sheet steel RAL 7035 | 30830 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33720 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump [V=33.0L] | stainless steel | 33721 |
| 3x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33722 |
| 4x shelf, 1x bottom collecting sump [V=33.0L] | stainless steel | 33723 |
| 3x tray shelf [V=33.0L], 1x bottom collecting sump [V=33.0L] | stainless steel | 30831 |
| 3x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30143 |
| 4x tray shelf metal free [V=33.0L], 1x bottom collecting sump [V=33.0L] | PP grey | 30144 |
| 4x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33724 |
| 5x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33725 |
| 6x drawer [V=29.0L] | powder-coated sheet steel RAL 7035 | 33726 |
| 4x drawer [V=29.0L] | stainless steel | 33727 |
| 5x drawer [V=29.0L] | stainless steel | 33728 |
| 6x drawer [V=29.0L] | stainless steel | 33729 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. | |
|---|---------------------------------|------------------------------------|------------------|-------|
|  | Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  | Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  | Sump inliner for shelf | PE black | 1000 x 392 x 50* | 7223 |
|  | Sump inliner for drawer | PP grey | 834 x 450 x 96* | 10054 |
|  | Anti-slip rubber mat for drawer | black | 840 x 490 x 1 | 8699 |
|  | Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  | Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  | Document holder DIN A5 | polystyrene | | 30793 |


| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

Can't find a suitable interior equipment package for your application?


ONE-HAND OPERATION

Are you looking for a comfortable storage solution for your hazardous material containers?

Operate **two doors** with **one hand!**

METAL-FREE TRAY SHELVES
with chemical resistant surface lamination, ideal for the storage of flammable, aggressive hazardous substances



DRAWERS
High storage capacity and ideal for the storage of small containers



Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.

Further information and suitable solutions for technical ventilation can be found from page 348

S-LINE | S-PHOENIX Vol.2-90



Model S90.196.060.FDAC
Order No. 30235-001-33681



Model S90.196.060.FDAC
Order No. 30235-002-33683



Model S90.196.060.FDAC
Order No. 30235-005-33659

Technical data

| | | |
|---|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 616 x 1968 |
| Internal dimensions W x D x H | mm | 450 x 524 x 1742 |
| Weight without interior equip. | kg | 260 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |

Main features



Space-saving folding doors












Door with open-arrest system and automatic door closing (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. | |
|------------------|--|----------------------------------|-------------------------|-----------|
| S90.196.060.FDAC | without interior equipment, left hinged, with TSA, door open arrest system | light grey RAL 7035 | 30235-001 | 30236-001 |
| | | warning yellow RAL 1004 | 30235-002 | 30236-002 |
| | | laboratory white (sim. RAL 9016) | 30235-005 | 30236-005 |
| | | | Door hinge: left | right |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|---|------------------------------------|-------------------------|-------|
| | | Door hinge: left | right |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33659 | 34387 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33660 | 34388 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33661 | 34389 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 33662 | 34390 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | powder-coated sheet steel RAL 7035 | 33663 | 34391 |
| 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30834 | 34386 |
| 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30257 | 33451 |
| 4x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30258 | 33452 |
| 3x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30260 | 33454 |
| 4x shelf, 1x bottom collecting sump (V=22.0L) | stainless steel | 30261 | 33455 |
| 3x tray shelf (V=11.5L), 1x perforated insert, 1x bottom collecting sump (V=33.0L) | stainless steel | 30263 | 33457 |
| 3x tray shelf (V=22.0L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30835 | 30835 |
| 4x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30266 | 33460 |
| 3x tray shelf metal free (V=11.0L), 1x bottom collecting sump (V=11.0L) | PP grey | 30265 | 33459 |
| 4x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33681 | 34392 |
| 5x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33682 | 34393 |
| 6x drawer (V=4.5L) | powder-coated sheet steel RAL 7035 | 33683 | 34394 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30270 | 33464 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30271 | 33465 |
| 4x drawer (V=4.5L) | stainless steel | 33686 | 34397 |
| 5x drawer (V=4.5L) | stainless steel | 33687 | 34398 |
| 6x drawer (V=4.5L) | stainless steel | 33688 | 34399 |
| 3x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30275 | 33469 |
| 4x drawer (V=4.5L), 1x drawer (disposal) (V=75L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30276 | 33470 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Sump inliner for drawer disposal | PE white | 313 x 484 x 71* | 40171 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

Can't find a suitable interior equipment package for your application?



S-LINE | S-PHOENIX Vol.2-90



Model S90.196.060.075.FDAC
Order No. 30315-001-33697



Model S90.196.060.075.FDAC
Order No. 30315-001-30321



Model S90.196.060.075.FDAC
Order No. 30315-002-30322

Technical data

| | | |
|--|-------------------|------------------|
| External dimensions W x D x H | mm | 596 x 749 x 1968 |
| Internal dimensions W x D x H | mm | 450 x 657 x 1742 |
| Weight without interior equip. | kg | 310 |
| Air change 10 times | m ³ /h | 5 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |

Main features



Space-saving folding doors



Door with open-arrest system and automatic door closing (TSA)







Special depth 750 mm

You will find technical drawings and adjustment heights for these cabinet models from page 158

| Model | Information / equipment | Colour | Order No. | |
|----------------------|--|----------------------------------|-----------|-----------|
| S90.196.060.075.FDAC | without interior equipment, left hinged, with TSA, door open arrest system | light grey RAL 7035 | 30315-001 | 30316-001 |
| | | warning yellow RAL 1004 | 30315-002 | 30316-002 |
| | | laboratory white (sim. RAL 9016) | 30315-005 | 30316-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. | |
|---|------------------------------------|-----------|-------|
| 4x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33695 | 34402 |
| 5x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33696 | 34403 |
| 6x drawer (V=5.5L) | powder-coated sheet steel RAL 7035 | 33697 | 34404 |
| 3x drawer (V=5.5L), 1x drawer (disposal) (V=10.0L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30321 | 33480 |
| 4x drawer (V=5.5L), 1x drawer (disposal) (V=10.0L), 1x bottom collecting sump (V=22.0L) | powder-coated sheet steel RAL 7035 | 30322 | 33481 |
| 4x drawer (V=5.5L) | stainless steel | 33700 | 34407 |
| 5x drawer (V=5.5L) | stainless steel | 33701 | 34408 |
| 6x drawer (V=5.5L) | stainless steel | 33702 | 34409 |
| 3x drawer (V=5.5L), 1x drawer (disposal) (V=4.5L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30326 | 33485 |
| 4x drawer (V=5.5L), 1x drawer (disposal) (V=4.5L), 1x bottom collecting sump (V=22.0L) | stainless steel | 30327 | 33486 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
|  Sump inliner for drawer supply | PP undyed | 314 x 560 x 66* | 18473 |
|  Anti-slip rubber mat for drawer supply | black | 630 x 340 x 1 | 8720 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Extraction unit without exhaust air monitoring | 14218 |
| Extraction unit with exhaust air monitoring | 14220 |

Can't find a suitable interior equipment package for your application?



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.

You can find our service tariffs from page 512

Storage heights

Safety storage cabinets type 90

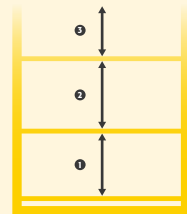
S90.196.120(.WDAS/.FDAS/.FDAC)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|---|
| Distance 9 (mm) | 145 | | | | | | | | | |
| Distance 8 (mm) | 135 | 210 | | | | | | | | |
| Distance 7 (mm) | 135 | 200 | 210 | | | | | | | |
| Distance 6 (mm) | 170 | 200 | 200 | 275 | | | | | | |
| Distance 5 (mm) | 170 | 170 | 200 | 230 | 340 | 295 | | | | |
| Distance 4 (mm) | 170 | 170 | 200 | 230 | 330 | 295 | 400 | | | |
| Distance 3 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 530 | | |
| Distance 2 (mm) | 170 | 170 | 230 | 230 | 295 | 230 | 390 | 520 | 1010 | |
| Distance 1 (mm) | 200 | 200 | 265 | 330 | 295 | 490 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 90 | Aerosol cans | 400 ml |
| 40 | Cans | 1 litre |
| 40 | Laboratory glass bottles | 1 litre |
| 40 | Laboratory PE-bottles | 1 litre |
| 15 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 460 | | |
| Distance 3 (mm) | 285 | 490 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



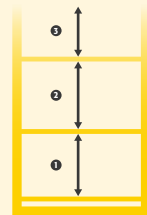
S90.196.090(.WDAS/.FWAS)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|------|---|
| Distance 9 (mm) | 145 | | | | | | | | | |
| Distance 8 (mm) | 135 | 210 | | | | | | | | |
| Distance 7 (mm) | 135 | 200 | 210 | | | | | | | |
| Distance 6 (mm) | 170 | 200 | 200 | 275 | | | | | | |
| Distance 5 (mm) | 170 | 170 | 200 | 230 | 340 | 295 | | | | |
| Distance 4 (mm) | 170 | 170 | 200 | 230 | 330 | 295 | 400 | | | |
| Distance 3 (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 360 | 530 | | |
| Distance 2 (mm) | 170 | 170 | 230 | 230 | 295 | 230 | 390 | 520 | 1010 | |
| Distance 1 (mm) | 200 | 200 | 265 | 330 | 265 | 490 | 425 | 550 | 615 | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 49 | Aerosol cans | 400 ml |
| 23 | Cans | 1 litre |
| 23 | Laboratory glass bottles | 1 litre |
| 23 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 460 | | |
| Distance 3 (mm) | 285 | 490 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



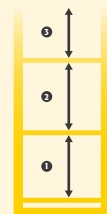
S90.196.060(.WDAS/.FDAS*/.FDAC*)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
| Distance 9 (mm) | 175 | | | | | | | | | |
| Distance 8 (mm) | 135 | 175 | | | | | | | | |
| Distance 7 (mm) | 135 | 200 | 175 | | | | | | | |
| Distance 6 (mm) | 135 | 200 | 200 | 270 | | | | | | |
| Distance 5 (mm) | 170 | 200 | 200 | 230 | 335 | 270 | | | | |
| Distance 4 (mm) | 170 | 170 | 200 | 230 | 330 | 200 | 365 | 300 | | |
| Distance 3 (mm) | 170 | 170 | 230 | 230 | 295 | 230 | 390 | 330 | | |
| Distance 2 (mm) | 170 | 170 | 230 | 230 | 265 | 230 | 390 | 330 | | |
| Distance 1 (mm) | 200 | 200 | 265 | 330 | 330 | 540 | 425 | 540 | | |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|-----|-----|---|
| Distance 4 (mm) | 460 | | |
| Distance 3 (mm) | 285 | 490 | |
| Distance 2 (mm) | 315 | 380 | |
| Distance 1 (mm) | 315 | 410 | |



* for models .FDAS and .FDAC the top adjustment height is reduced by 15 mm

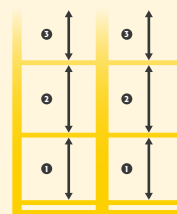
S90.196.120.MV.WDAS(.FDAS)

| Drawers/number | | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|----------------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Distance | 9 | (mm) | 135 | | | | | | | | |
| Distance | 8 | (mm) | 135 | 295 | | | | | | | |
| Distance | 7 | (mm) | 135 | 135 | 295 | | | | | | |
| Distance | 6 | (mm) | 170 | 170 | 230 | 295 | | | | | |
| Distance | 5 | (mm) | 170 | 170 | 200 | 295 | 325 | 295 | | | |
| Distance | 4 | (mm) | 170 | 170 | 200 | 230 | 295 | 295 | 390 | | |
| Distance | 3 | (mm) | 170 | 170 | 170 | 230 | 330 | 230 | 390 | 520 | |
| Distance | 2 | (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 390 | 520 | 1125 |
| Distance | 1 | (mm) | 200 | 200 | 200 | 330 | 295 | 490 | 390 | 550 | 490 |

| Shelves/number | | 4 | 3 | 2 |
|----------------|---|------|-----|-----|
| Distance | 4 | (mm) | 460 | |
| Distance | 3 | (mm) | 285 | 490 |
| Distance | 2 | (mm) | 315 | 380 |
| Distance | 1 | (mm) | 315 | 410 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |



S90.196.060.MH.WDAS(.FDAS)

Standard storage heights of the drawers

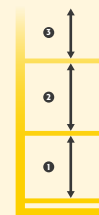
| Drawers/number | | 3 | 2 |
|----------------|---|------|-----|
| Distance | 3 | (mm) | 205 |
| Distance | 2 | (mm) | 265 |
| Distance | 1 | (mm) | 330 |

Standard storage heights of the shelves

| Shelves/number | | 2 | |
|----------------|---|------|-----|
| Distance | 2 | (mm) | 270 |
| Distance | 1 | (mm) | 250 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

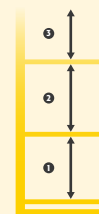


S90.196.060.075.FDAS(.FDAC)

| Drawers/number | | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|----------------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Distance | 9 | (mm) | 160 | | | | | | | | |
| Distance | 8 | (mm) | 135 | 160 | | | | | | | |
| Distance | 7 | (mm) | 135 | 200 | 160 | | | | | | |
| Distance | 6 | (mm) | 135 | 200 | 200 | 255 | | | | | |
| Distance | 5 | (mm) | 170 | 200 | 200 | 230 | 320 | 255 | | | |
| Distance | 4 | (mm) | 170 | 170 | 200 | 230 | 330 | 200 | 350 | 285 | |
| Distance | 3 | (mm) | 170 | 170 | 230 | 230 | 295 | 230 | 390 | 330 | 510 |
| Distance | 2 | (mm) | 170 | 170 | 230 | 230 | 265 | 230 | 390 | 330 | 520 |
| Distance | 1 | (mm) | 200 | 200 | 265 | 330 | 330 | 540 | 425 | 540 | 615 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 40 | Aerosol cans | 400 ml |
| 17 | Cans | 1 litre |
| 17 | Laboratory glass bottles | 1 litre |
| 17 | Laboratory PE-bottles | 1 litre |
| 9 | Laboratory glass bottles | 2.5 litres |



Storage heights

Medium high safety storage cabinets type 90

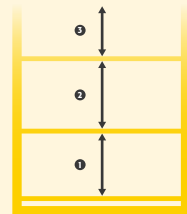
S90.129.120(.WDAS/.WDAC)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|---|---|---|---|---|-----|---|-----|---|---------|
| Distance 9 (mm) | | | | | | | | | | |
| Distance 8 (mm) | | | | | | | | | | |
| Distance 7 (mm) | | | | | | | | | | |
| Distance 6 (mm) | | | | | | | | | | |
| Distance 5 (mm) | | | | | | | | | | |
| Distance 4 (mm) | | | | | | | | | | |
| Distance 3 (mm) | | | | | | | | | | 305 |
| Distance 2 (mm) | | | | | | | | | | 295 435 |
| Distance 1 (mm) | | | | | | | | | | 330 520 |

Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 90 | Aerosol cans | 400 ml |
| 40 | Cans | 1 litre |
| 40 | Laboratory glass bottles | 1 litre |
| 40 | Laboratory PE-bottles | 1 litre |
| 15 | Laboratory glass bottles | 2.5 litres |

| Shelves/number | 4 | 3 | 2 |
|-----------------|---|---|---------|
| Distance 4 (mm) | | | |
| Distance 3 (mm) | | | 335 |
| Distance 2 (mm) | | | 220 385 |
| Distance 1 (mm) | | | 250 315 |



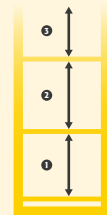
S90.129.060(.WDAS/.WDAC)

| Drawers/number | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 |
|-----------------|---|---|---|---|---|-----|---|-----|---|---------|
| Distance 9 (mm) | | | | | | | | | | |
| Distance 8 (mm) | | | | | | | | | | |
| Distance 7 (mm) | | | | | | | | | | |
| Distance 6 (mm) | | | | | | | | | | |
| Distance 5 (mm) | | | | | | | | | | |
| Distance 4 (mm) | | | | | | | | | | |
| Distance 3 (mm) | | | | | | | | | | 290 |
| Distance 2 (mm) | | | | | | | | | | 295 450 |
| Distance 1 (mm) | | | | | | | | | | 330 490 |

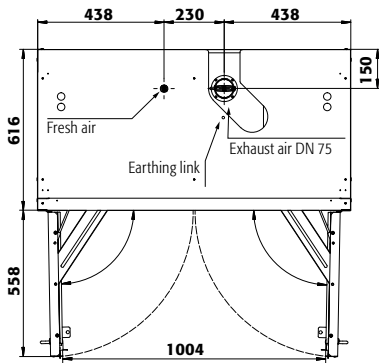
Storage capacities per drawer/type of container

| Quantity | Type of container | Container size |
|----------|--------------------------|----------------|
| 30 | Aerosol cans | 400 ml |
| 12 | Cans | 1 litre |
| 12 | Laboratory glass bottles | 1 litre |
| 12 | Laboratory PE-bottles | 1 litre |
| 6 | Laboratory glass bottles | 2.5 litres |

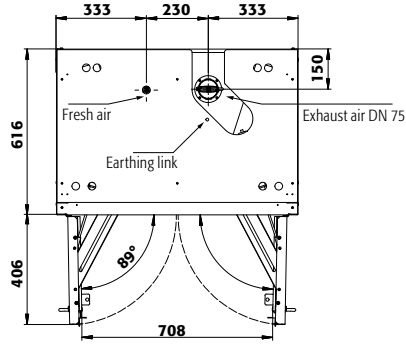
| Shelves/number | 4 | 3 | 2 |
|-----------------|---|---|---------|
| Distance 4 (mm) | | | |
| Distance 3 (mm) | | | 335 |
| Distance 2 (mm) | | | 220 395 |
| Distance 1 (mm) | | | 250 315 |



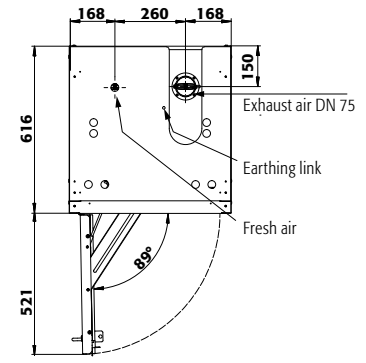
Safety storage cabinets type 90



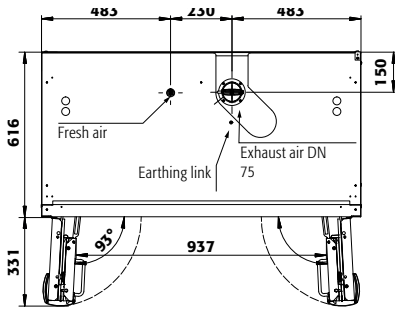
S90.196.120(WDAS)
S90.196.120.MV.WDAS
S90.129.120(WDAS)
S90.129.120.WDAC



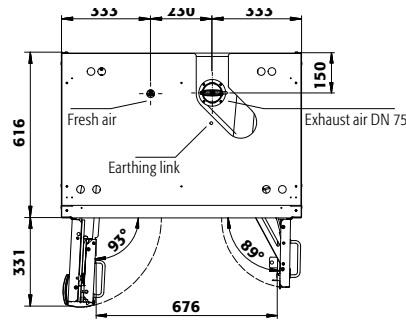
S90.196.090(WDAS)



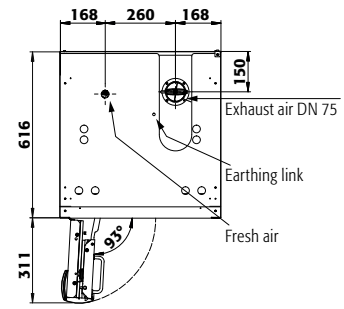
S90.196.060(WDAS)
S90.196.060.MH.WDAS
S90.129.060(WDAS)
S90.129.060.WDAC



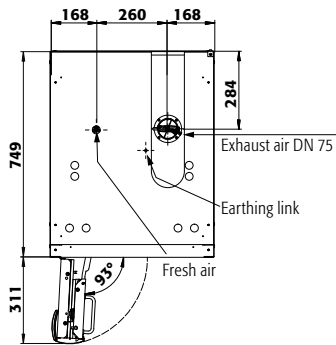
S90.196.120.FDAS
S90.196.120.MV.FDAS
S90.196.120.FDAC



S90.196.090.FWAS



S90.196.060.FDAS
S90.196.060.MH.FDAS
S90.196.060.FDAC



S90.196.060.075.FDAS
S90.196.060.075.FDAC

**SERVICE AND MAINTENANCE —
OUT AND ABOUT FOR YOUR SAFETY**



asecos is uncompromising when it comes to safety.

Our expertise as developers and manufacturers of technical safety products is also reflected in the range of services we offer. Seamless, professional maintenance can prevent serious damage in critical cases, and is also required by law in many countries.

A selected number of sales partners around the world have undergone a special certification process and are able to provide professional services where asecos cannot be present personally. Ask us for more information.

With the asecos services you are always on the safe side. asecos fulfils these requirements: Inspection and maintenance carried out by our specialised service technicians ensures your safety storage cabinet functions properly. Concluding an asecos service agreement extends your warranty to up to 10 years.

During safety technology inspections, our service experts check all safety-relevant elements such as fire protection and ventilation seals, insulation, door closures, fusible links, ventilation openings for proper function and effectiveness.



The asecos service: Your advantages at a glance

The protective function of your safety storage cabinet (serving as a fire bulkhead for stored hazardous materials in case of a fire) is permanently ensured, extending the service life of your system.

1

You have our guarantee as experts familiar with all regulations, guidelines, and cabinet design requirements.

2

You enjoy up to a 10 year manufacturer warranty, depending on the service rate you select.

3

The asecos team monitors your service date schedule and tells you about upcoming inspections.

4

Complete, consistent documentation and availability of all spare parts (min. 10 years).

5

Our safety technology inspection fulfils the requirements of EG directive 89/391/EC.

6

Comprehensive service network

7

We can carry out 98% of all the repairs in case of manufactured products within the scope of the deadline for the safety-related inspection – this means just one visit to you and saves money too.

8



ascos
14470-1
90

ascos
BIOHAZARD
BIOHAZARD

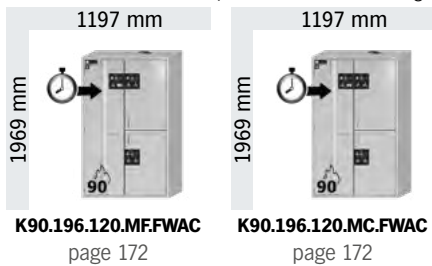
Overview

Combi safety storage cabinets type 90

K-PHOENIX-90 | model class with wing and folding doors and door open arrest system

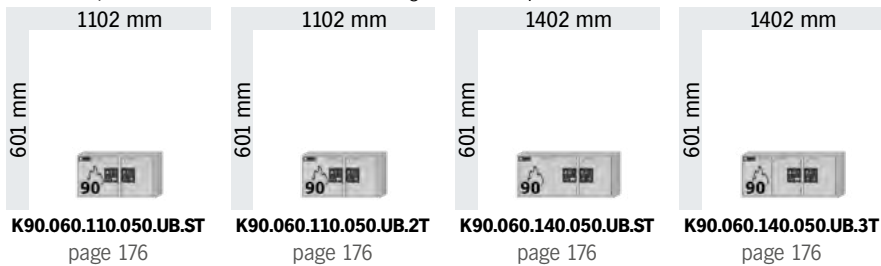


K-PHOENIX Vol.2-90 | model class with wing and folding doors, door open arrest system and automatic door closing (TSA)



Combi under bench cabinets type 90

K-UB-90 | model class with drawers and wing doors — depth 502 mm



Discover more models in the
online product configurator:

K-PHOENIX-30
Safety storage cabinets
type 30 with folding and
wing doors



www.asecos-configurator.com

Combi safety storage cabinets for the unrestricted storage of flammable and aggressive hazardous materials in working areas.

1

Three in one combi safety storage cabinet

Safe and separated storage of acids, alkalis and flammable hazardous materials in one cabinet.



2

Safe, separate storage

Two hermetically separated storage compartments with fire resistant dividing wall, integrated aeration and venting system, corrosion resistance of the metal-free air ducts.



3

Storage compartment type 90 for model PHOENIX Vol. 2 (FWAC)

Doors remain open in the serial door open arrest system, convenient and safe removal or storage of containers, doors close automatically after approx. 60 seconds, acoustic and visual signal before closing.



4

Storage compartment type 90 for model PHOENIX

Doors remain open with the serial door open arrest system, convenient and safe removal or storage of containers.



5

No unauthorised use

Doors lockable with profile cylinder and cylinder lock.



6

Ventilation

Even ventilation and extraction of the entire cabinet interior. Integrated air ducts ready for connection (DN 75) to a technical exhaust system. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



7

Hazardous substances center

Storage box for toxic materials, storage box separately lockable.





K-
LINE



- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512

Interior equipment

Our numerous cabinet models can be easily adapted to a variety of storage requirements thanks to the wide range of interior equipment options. Depending on requirements, interior equipment packages with the following components are available:

Drawer



Ideally suited for the storage of small containers up to 5 L, spray cans or compressed gas cans

- The extended drawer provides an overview of all stored hazardous materials
- All containers can be conveniently and safely removed or adjusted
- The drawers are self-closing in case of fire or have a permanent self-closing mechanism
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Metal-free storage level



Optimally suited for the storage of flammable and slightly aggressive hazardous materials.

- The tray shelf with chemically resistant surface coating and plastic sump offers a high level of corrosion protection
- The plastic sump is mounted on the tray shelf to prevent it from tipping and pulling out, and can be easily removed if necessary
- Available material: polypropylene (grey)

Bottom collecting sump and perforated insert



High quality bottom collecting sumps

- Possible leakages are safely collected in the floor area
- Can be used in combination with a perforated insert as an additional storage level for containers
- Available material: powder-coated sheet steel (RAL 7035), stainless steel or polypropylene

Shelf and shelf tray



Suitable for larger containers

- The shelves are height-adjustable and can be easily adapted to the height of the containers
- A safety upstand protects the containers from falling down
- Available material: powder-coated sheet steel (RAL 7035) or stainless steel

Accessories



Practical accessories such as plastic sump liner, anti-slip mats or separately lockable storage boxes complement the interior design variants and provide additional comfort and safety when storing and handling the containers

HAVE YOU GOT **SPACE TO WASTE?**

... **probably not.**

This is exactly the reason why we want to introduce you to the benefits of safety storage cabinets with full drawers.

THE TASK

A situation known to many users:

- Which conditions should be used when clearing the containers in the cabinet?
- Which containers are on the front of the shelves, which are to the rear?
- Which hazardous materials should be placed on one storage level if possible?
- How can it be guaranteed that the containers from the rear rows can be easily and safely removed?



THE SOLUTION

Safety storage cabinets with drawers make these questions redundant!

- Logical storage of small containers
- Easily accessible for storage and removal
- Safe and simple collection of waste materials in waste containers

Convenient – no awkward removal of containers to remove containers from the rear storage area.

The question of whether containers should be at the front or rear does not arise. The full drawer always gives you the **complete overview** of the storage level.

Hazardous materials that should be placed together on a storage level can be easily and **logically arranged in a full drawer. Double your possible storage capacity** in the safety cabinet!



Model K90.196.120.MC.FWAS
Order No. 30335-001-33841



Model K90.196.120.MF.FWAS
Order No. 30333-001-33839






Model K90.196.120.MF.FWAS
Order No. 30333-001-33838

Technical data

| | | |
|---|-------------------|---|
| External dimensions W x D x H | mm | 1197 x 617 x 1969 |
| Internal dimensions W x D x H | mm | left: 450 x 524 x 1742 top right: 491 x 542 x 862 bottom right: 491 x 542 x 862 |
| Weight without interior equip. | kg | 515 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |
| Air change 30 times | m ³ /h | 29 |
| Diff. pressure (air change 30 times) | Pa | 28 |

Main features










-  Safe segregated storage due to hermetically separated compartments
-  Available with optional hazardous materials centre
-  Type 90 compartment with door open-arrest system

You will find technical drawings and adjustment heights for these cabinet models from page 178

| Model | Information / equipment | Colour | Order No. |
|---------------------|---|---|------------------------|
| K90.196.120.MF.FWAS | without interior equipment, with door open arrest system, with vertical centre partition (fire resistant) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30333-001 30333-005 |
| K90.196.120.MC.FWAS | without interior equipment, with door open arrest system, hazardous substances center (including lockable storage box on shelf) | light grey RAL 7035 | 30335-001 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|-----------|
| K90.196.120.MF.FWAS Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33838 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 30338 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 34257 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Top: 3x pull-out shelf (V=11.0L) Bottom: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 37687 |
| Left: 6x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33839 |
| Left: 6x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 33840 |
| K90.196.120.MC.FWAS Left: 1x storage box, 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33841 |
| Left: 1x storage box, 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 30755 |
| Left: 1x storage box, 4x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33842 |
| Left: 1x storage box, 4x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 33843 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|------------------|-----------|
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer disposal | PP black or white | 313 x 413 x 175* | 18474 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?




Technical ventilation – an important component for risk minimisation! Products for technical ventilation from asecos help to prevent the formation of explosive atmospheres and harmful vapours.

Further information and suitable solutions for technical ventilation can be found from page 348



Model K90.196.120.MC.FWAC
Order No. 30336-001-33841



Model K90.196.120.MF.FWAC
Order No. 30334-001-33839






Model K90.196.120.MF.FWAC
Order No. 30334-001-33838

Technical data

| | | |
|---|-------------------|---|
| External dimensions W x D x H | mm | 1197 x 617 x 1969 |
| Internal dimensions W x D x H | mm | left: 450 x 524 x 1742 top right: 491 x 542 x 862 bottom right: 491 x 542 x 862 |
| Weight without interior equip. | kg | 515 |
| Air change 10 times | m ³ /h | 9 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 5 |
| Air change 30 times | m ³ /h | 29 |
| Diff. pressure (air change 30 times) | Pa | 28 |

Main features










-  Safe segregated storage due to hermetically separated compartments
-  Available with optional hazardous materials centre
-  Type 90 compartment with hold-open system and automatic locking (TSA)

You will find technical drawings and adjustment heights for these cabinet models from page 178

| Model | Information / equipment | Colour | Order No. |
|---------------------|--|---|------------------------|
| K90.196.120.MF.FWAC | without interior equipment, with TSA, door open arrest system, with vertical centre partition (fire resistant) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30334-001 30334-005 |
| K90.196.120.MC.FWAC | without interior equipment, with TSA, door open arrest system, hazardous substances center (including lockable storage box on shelf) | light grey RAL 7035 | 30336-001 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|--|---|-----------|
| K90.196.120.MF.FWAC Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33838 |
| Left: 3x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 30338 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 34257 |
| Left: 3x tray shelf (V=11.5L), 1x bottom collecting sump (V=22.0L) Top: 3x pull-out shelf (V=11.0L) Bottom: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 37687 |
| Left: 6x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33839 |
| Left: 6x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 33840 |
| K90.196.120.MC.FWAC Left: 1x storage box, 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33841 |
| Left: 1x storage box, 2x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Top right: 2x pull-out shelf (V=11.0L) Bottom right: 2x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 30755 |
| Left: 1x storage box, 4x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33842 |
| Left: 1x storage box, 4x drawer (V=4.5L) Top right: 3x pull-out shelf (V=11.0L) Bottom right: 3x pull-out shelf (V=11.0L) | stainless steel, panel melamine resin-coated/PP | 33843 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|------------------|-----------|
|  Storage box right hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30030 |
|  Storage box left hinged | powder-coated sheet steel RAL 7035 | 380 x 420 x 360 | 30029 |
|  Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
|  Sump inliner for drawer disposal | PP black or white | 313 x 413 x 175* | 18474 |
|  Sump inliner for drawer supply | PP undyed | 318 x 449 x 66* | 18472 |
|  Anti-slip rubber mat for drawer supply | black | 495 x 340 x 1 | 8719 |
|  Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
|  Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
|  Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

K-LINE | K-UB-90

Combi under bench cabinets for the unrestricted storage of flammable and aggressive hazardous materials in working areas.

1

Fits perfectly under fume cupboards
Cabinet makes perfect use of the space available under the fume cupboard.



2

Two in one combi under bench cabinet

Safe storage of slightly aggressive and flammable hazardous materials in one cabinet. Separated storage compartments with vertical dividing wall.



3

Cylinder lock with locking status indicator

Doors lockable with cylinder lock, locking status indicator (red/green) signals the locking status of the cabinet.



4

Ventilation

Integrated air ducts ready for connection (DN 50) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



5

Mobile

Optionally available castors with plinth; simple movement of the cabinet. Height adjustable to various laboratory furniture systems due to attachment covers.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- You can find our service tariffs from page 512



K-LINE | K-UB-90



Model K90.060.140.050.UB.3T
Order No. 30377-001-33846



Model K90.060.110.050.UB.2T
Order No. 30365-001-33844



Model K90.060.110.050.UB.ST
Order No. 30358-001-35363

Technical data

External dimensions W x D x H
Internal dimensions W x D x H

Weight without interior equip.

Air change **10 times**

Diff. pressure (air change **10 times EK5/AK4**)

mm

mm

kg

m³/h

Pa

K90.060.140.050.UB.ST K90.060.140.050.UB.3T

1402 x 502 x 601
left: 770 x 381 x 502
right: 440 x 468 x 562

197

3

1

K90.060.110.050.UB.ST K90.060.110.050.UB.2T

1102 x 502 x 601
left: 470 x 381 x 502
right: 440 x 468 x 562

155

2

1

Usable storage heights

Left compartment

- 1 mm 460
- 2 mm 400*

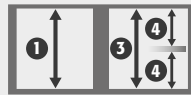
Right compartment

- 3 mm 495**
- 4 mm 280 / 195***

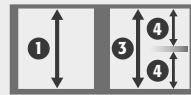
* bottom collecting sump with perforated insert

** 1 pull-out shelf

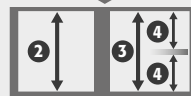
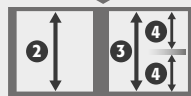
*** 2 pull-out shelves



K90.060.110.050.UB.ST
K90.060.110.050.UB.2T



K90.060.140.050.UB.ST
K90.060.140.050.UB.3T



Main features



Perfect for installation under fume cupboards or hazardous materials workplaces



Safe segregated storage due to hermetically separated compartments

You will find technical drawings for these cabinet models from page 178

| Model | Information / equipment | Colour | Order No. |
|-----------------------|--|---------------------|-----------|
| K90.060.140.050.UB.ST | without interior equipment, with 1 drawer, 1 wing door | light grey RAL 7035 | 30370-001 |
| K90.060.140.050.UB.3T | without interior equipment, with 3 wing doors | light grey RAL 7035 | 30377-001 |
| K90.060.110.050.UB.ST | without interior equipment, with 1 drawer, 1 wing door | light grey RAL 7035 | 30358-001 |
| K90.060.110.050.UB.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 | 30365-001 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| K90.060.140.050.UB.ST Left: 1x drawer (V=175L) Right: 1x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 35364 |
| Left: 1x drawer (V=175L) Right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 35365 |
| K90.060.140.050.UB.3T Left: 1x perforated insert, 1x bottom collecting sump (V=16.5L) Right: 1x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33846 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=16.5L) Right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33847 |
| K90.060.110.050.UB.ST Left: 1x drawer (V=10.0L) Right: 1x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 35362 |
| Left: 1x drawer (V=10.0L) Right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 35363 |
| K90.060.110.050.UB.2T Left: 1x perforated insert, 1x bottom collecting sump (V=10.0L) Right: 1x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33844 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=10.0L) Right: 2x pull-out shelf (V=11.0L) | powder-coated sheet steel RAL 7035, panel melamine resin-coated/PP RAL 7035 | 33845 |

Accessories for these cabinet models:

| Accessories | Material | W x D x H (mm) | Order No. |
|--------------------------------------|------------------------------------|----------------|-----------|
| All models with width 1400 mm | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1397 x 60 x 30 | 31359 |
| All models with width 1100 mm | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit without exhaust air monitoring | 14218 |

Can't find a suitable interior equipment package for your application?



PULL-OUT SHELVES
Sturdy construction with removable plastic sump



BOTTOM COLLECTING SUMP
for the safe collection of leakages, can be used as storage level when combined with perforated insert



Safety storage cabinets only provide reliable protection ...
... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.



ARE YOU LOOKING FOR AN APPROPRIATE STORAGE SOLUTION FOR HAZARDOUS MATERIALS?

Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com

Storage heights

Combi safety storage cabinets type 90

K90.196.120.MF(MC).FWAS, K90.196.120.MF(MC).FWAC

Standard storage heights for drawers (left compartment)

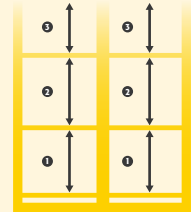
| Drawers/number | MF | | | | | | | | | | MC | |
|-----------------|-----|-----|-----|-----|-----|-----|-----|-----|---|---|----|---|
| | 9 | 8 | 7 | 6 | 5 | 4+1 | 4 | 3+1 | 3 | 2 | | 4 |
| Distance ⑨ (mm) | 200 | | | | | | | | | | | |
| Distance ⑧ (mm) | 135 | 290 | | | | | | | | | | |
| Distance ⑦ (mm) | 135 | 135 | 290 | | | | | | | | | |
| Distance ⑥ (mm) | 135 | 170 | 230 | 290 | | | | | | | | |
| Distance ⑤ (mm) | 170 | 170 | 200 | 295 | 320 | 305 | | | | | | |
| Distance ④ (mm) | 170 | 170 | 200 | 230 | 295 | 295 | 385 | 400 | | | | |
| Distance ③ (mm) | 170 | 170 | 170 | 230 | 330 | 230 | 390 | 390 | | | | |
| Distance ② (mm) | 170 | 170 | 200 | 230 | 295 | 230 | 390 | 295 | | | | |
| Distance ① (mm) | 170 | 200 | 200 | 230 | 295 | 475 | 390 | 275 | | | | |

Standard storage heights for shelves (left compartment)

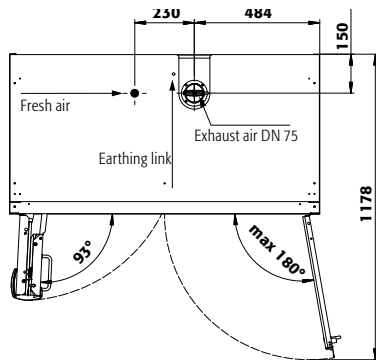
| Shelves/number | MF | | | MC |
|-----------------|-----|-----|-----|----|
| | 4 | 3 | 2 | |
| Distance ④ (mm) | 460 | | | |
| Distance ③ (mm) | 285 | 435 | | |
| Distance ② (mm) | 315 | 380 | 445 | |
| Distance ① (mm) | 315 | 410 | 410 | |

Standard storage heights for pull-out shelves (right compartment)

| Pull-out shelves/number | 6 | 4 |
|-------------------------|-----|-----|
| Distance ⑥ (mm) | 230 | |
| Distance ⑤ (mm) | 265 | |
| Distance ④ (mm) | 265 | 395 |
| Distance ③ (mm) | 230 | 395 |
| Distance ② (mm) | 265 | 395 |
| Distance ① (mm) | 265 | 395 |

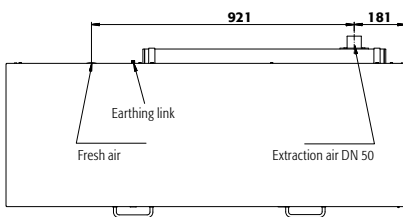


Combi safety storage cabinets type 90

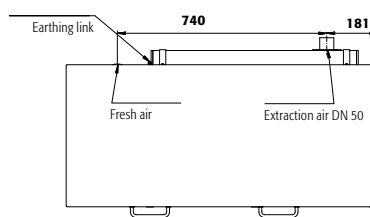


K90.196.120.MF(MC).FWAS
K90.196.120.MF(MC).FWAC

Combi under bench cabinets type 90



K90.060.140.050.UB.ST
K90.060.140.050.UB.3T



K90.060.110.050.UB.ST
K90.060.110.050.UB.2T

XL-LINE | XL-CLASSIC-90

Safety storage cabinets for unrestricted storage of flammable hazardous materials in work areas in accordance with EN 14470-1 and TRGS 510

1

The giant

Safe and approved storage of large containers and drums (V = 200 litres).



2

Grounding

Safety whilst decanting, continuous internal and external earthing link. Interior space with up to 3 m earthing wire incl. clamp.



3

Individual

Rack system with height adjustable storage levels (optional) allows the efficient use of existing storage capacities.



4

High flexibility

Transport base for simple in house transport.



5

No unauthorised use

Doors lockable with profile cylinder and cylinder lock.



6

Ventilation

Even ventilation and extraction of the entire cabinet interior. Integrated air ducts ready for connection (DN 75) to a technical exhaust system. The potential formation of explosive atmospheres or harmful vapours is safely prevented.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



XL-LINE

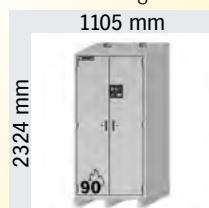
Overview

XL-CLASSIC-90 | model class with wing doors and door open arrest system



XL90.222.155.WDAS

page 182



XL90.222.110.WDAS

page 183

XL-LINE | XL-CLASSIC-90



Model XL90.222.155.WDAS
Order No. 30382-001-30386



Model XL90.222.155.WDAS
Order No. 30382-001-30388

Technical data

| | | |
|--|-------------------|--------------------|
| External dimensions W x D x H | mm | 1555 x 1018 x 2324 |
| Internal dimensions W x D x H | mm | 1386 x 864 x 1890 |
| Weight without interior equip. | kg | 1150 |
| Air change 10 times | m ³ /h | 24 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 15 |

Main features



Storage of large containers and 200 L drums

You will find technical drawings for these cabinet models from page 184

| Model | Information / equipment | Colour | Order No. |
|-------------------|--|---------------------|-----------|
| XL90.222.155.WDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30382-001 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|----------|-----------|
|---|----------|-----------|

| | | |
|---|--|-------|
| With bottom collecting sump | | |
| 1x transport base height = 100 mm, 1x bottom collecting sump with grid (V=235.0L) | powder-coated steel RAL 7035, sheet steel galvanised | 30384 |
| 1x shelf, 1x transport base, 1x bottom collecting sump with grid (V=235.0L) | powder-coated sheet steel RAL 7035, powder-coated steel RAL 7035, sheet steel galvanised | 30386 |

| | | |
|---|---------------------------------------|-------|
| With storage shelf (depth 600mm) and bottom collecting sump | | |
| 1x bottom collecting sump and rack (4 shelves, depth = 600 mm) (V=66.0L), 1x transport base | steel galvanised, powder-coated steel | 30388 |

| | | |
|---|---------------------------------------|-------|
| With storage shelf (depth 800mm) and bottom collecting sump | | |
| 1x bottom collecting sump and rack (4 shelves, depth = 800 mm) (V=66.0L), 1x transport base | steel galvanised, powder-coated steel | 38671 |

| Interior equipment | Material | W x D x H (mm) | Order No. |
|------------------------------------|------------------------------------|------------------|-----------|
| Shelf for rack system depth 800 mm | sheet steel galvanised | 1300 x 800 x 40 | 38956 |
| Shelf for rack system depth 600 mm | sheet steel galvanised | 1300 x 600 x 40 | 30390 |
| Shelf | powder-coated sheet steel RAL 7035 | 1373 x 491 x 25* | 30389 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Accessories | Order No. |
|---|-----------|
| Recirculating air filter system with exhaust air monitoring for drum cabinets | 40259 |
| Extraction unit with exhaust air monitoring for drum cabinets | 27412 |

* W x D = usable floor space



Model XL90.222.110.WDAS
Order No. 30393-001-30395



Model XL90.222.110.WDAS
Order No. 30393-001-30397

Technical data

| | | |
|---|-------------------|--------------------|
| External dimensions W x D x H | mm | 1105 x 1018 x 2324 |
| Internal dimensions W x D x H | mm | 936 x 864 x 1890 |
| Weight without interior equip. | kg | 855 |
| Air change 10 times | m ³ /h | 17 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 15 |

Main features



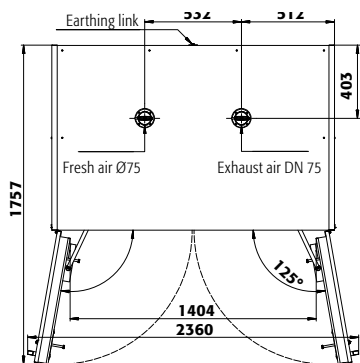
Storage of large containers and 200 L drums

You will find technical drawings for these cabinet models from page 184

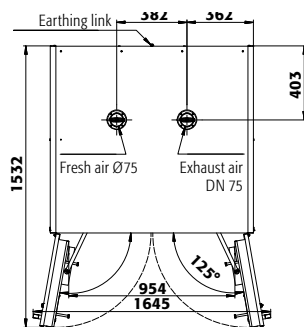
| Model | Information / equipment | Colour | Order No. |
|---|--|--|-----------|
| XL90.222.110.WDAS | without interior equipment, with door open arrest system | light grey RAL 7035 | 30393-001 |
| Interior equipment packages (can only be ordered in combination with the cabinet) | | Material | Order No. |
| 1x transport base height = 100 mm, 1x bottom collecting sump with grid (V=230.0L) | | powder-coated steel RAL 7035, sheet steel galvanised | 30395 |
| 1x shelf, 1x transport base, 1x bottom collecting sump with grid (V=230.0L) | | powder-coated sheet steel RAL 7035, powder-coated steel RAL 7035, sheet steel galvanised | 30397 |
| Interior equipment | Material | W x D x H (mm) | Order No. |
| Shelf | powder-coated sheet steel RAL 7035 | 923 x 491 x 25* | 30398 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Box for chemicals | PP blue | 410 x 300 x 260 | 30038 |
| Document holder DIN A5 | polystyrene | | 30793 |
| Accessories | | | Order No. |
| Recirculating air filter system with exhaust air monitoring for drum cabinets | | | 40259 |
| Extraction unit with exhaust air monitoring for drum cabinets | | | 27412 |

* W x D = usable floor space

Top views



XL90.222.155.WDAS



XL90.222.110.WDAS

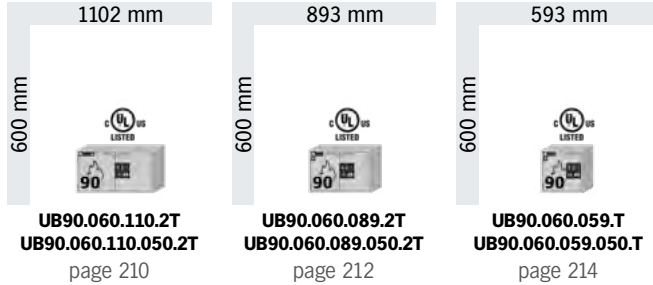
INDIVIDUAL AND MADE TO MEASURE



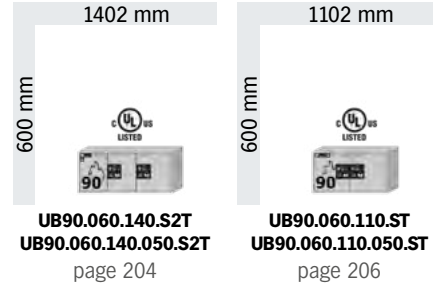


Under bench cabinets type 90

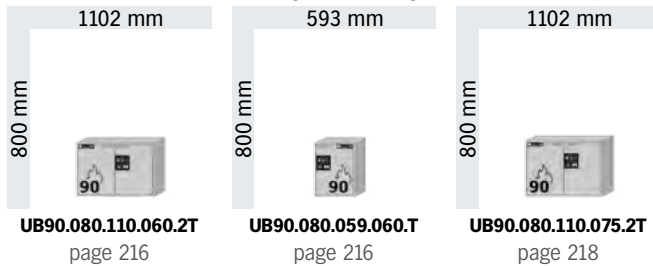
UB-T-90 | model class with wing doors – depth 574 mm and 502 mm



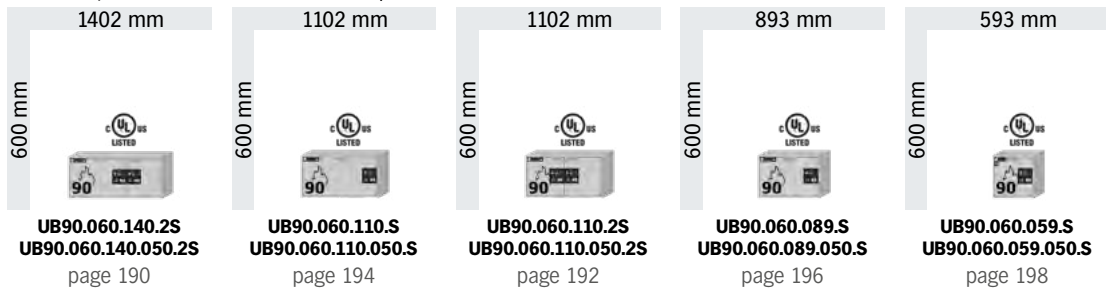
UB-ST-90 | model class with wing doors and drawer – depth 574 mm and 502 mm



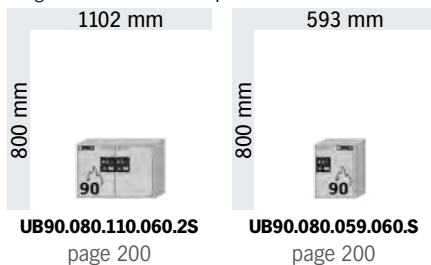
UB-T-90 | model class with wing doors – height 800 mm und depth 600 mm



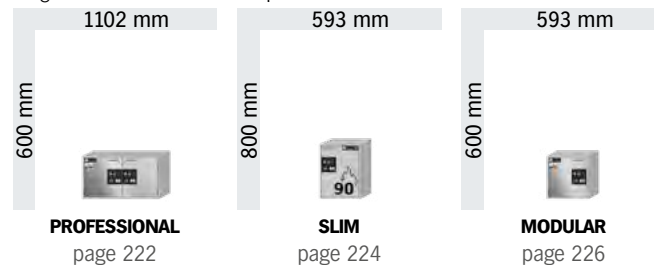
UB-S-90 | model class with drawers – depth 574 mm and 502 mm



UB-S-90 | model class with drawers – height 800 mm and depth 600 mm



UB-T-90E | model class with wing doors and disposal system – height 800/600 mm and depth 600/574 mm



UB-LINE | UB-S-90

Safety storage under bench cabinets for the unrestricted storage of flammable hazardous materials in working areas.

1

Fits perfectly under fume cupboards

Cabinet makes perfect use of the space available under the fume cupboard.



2

Flexible applications

Model variations in 2 heights, 4 widths and 3 depths enable maximum flexibility in adapting to user requirements and structural conditions.



3

Drawers

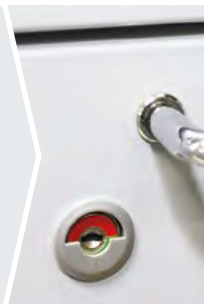
Remain open in any position and allow access to all stored goods. The interior is completely visible. Optimal usage of the interior height with the optional second level drawer for storing small containers.



4

Cylinder lock with locking status indicator

Doors lockable with cylinder lock, locking status indicator (red/green) signals the locking status of the cabinet.



5

Ventilation

Integrated air ducts ready for connection (DN 50) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Mobile

Optionally available castors with plinth; simple movement of the cabinet. Height adjustable to various laboratory furniture systems due to attachment covers.



7

DOUBLE CERTIFIED

Certified according to EN 14470-1 as well as the UL standard, the cabinets are suitable for international use.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- You can find our service tariffs from page 512



- Certain cabinets of this model group have been additionally tested in accordance with **Underwriters Laboratories-Standard UL/ULC 1275**



UB-LINE

UB-LINE | UB-S-90



Model UB90.060.140.2S
Order No. 30401-001-35345



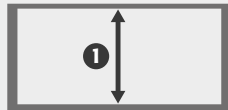
Model UB90.060.140.UL.2S
Order No. 37066-001-35348

Technical data

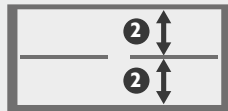
| | | UB90.060.140.2S UB90.060.140.UL.2S | UB90.060.140.050.2S UB90.060.140.050.UL.2S |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1402 x 574 x 600 | 1402 x 502 x 600 |
| Internal dimensions W x D x H | mm | 1279 x 452 x 502 | 1279 x 382 x 502 |
| Weight without interior equip. | kg | 230 | 205 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 3 | 3 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |

Usable storage heights

- 1 mm 465**
- 2 mm 230***



** without perforated insert
*** with second level drawer



Main features

- Perfect for installation under fume cupboards or hazardous materials workplaces
- Available in cabinet depths of 574 mm or 502 mm
- Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|------------------------|--|---|------------------------|
| UB90.060.140.2S | without interior equipment, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30401-001 30401-005 |
| UB90.060.140.UL.2S | without interior equipment, UL/UCL 1275 listed, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37066-001 37066-005 |
| UB90.060.140.050.2S | without interior equipment, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30402-001 30402-005 |
| UB90.060.140.050.UL.2S | without interior equipment, UL/UCL 1275 listed, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37058-001 37058-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.140[UL].2S Left: 1x drawer [V=20.0L] Right: 1x drawer [V=11.5L] | stainless steel | 35349 |
| Left: 1x drawer [V=20.0L], 1x perforated insert Right: 1x drawer [V=11.5L], 1x perforated insert | stainless steel | 35350 |
| Left: 1x drawer [V=20.0L], 1x second level drawer Right: 1x drawer [V=11.5L], 1x second level drawer | stainless steel | 35353 |
| UB90.060.140.050[UL].2S Left: 1x drawer [V=17.5L] Right: 1x drawer [V=10.0L] | powder-coated sheet steel RAL 7035 | 35359 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.140(UL)2S - compartment on the left | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 734 x 199 x 20* | 10907 |
| Sump inliner for shelf | PP grey | 653 x 406 x 88* | 9707 |
| Anti-slip rubber mat | black | 720 x 438 x 1 | 8700 |
| UB90.060.140(UL)2S - compartment on the right | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 434 x 199 x 20* | 10904 |
| Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| UB90.060.140(UL)2S - accessories | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1397 x 60 x 30 | 31359 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| SOFT-CLOSE | | | 33982 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.140.050(UL)2S - compartment on the left | | | |
| Second level drawer for internal width 890 mm | powder-coated sheet steel RAL 7035 | 743 x 346 x 45* | 16589 |
| Perforated insert for internal width 890 mm | stainless steel | 717 x 364 x 9 | 19619 |
| UB90.060.140(UL)2S - compartment on the right | | | |
| Second level drawer for internal width 590 mm | powder-coated sheet steel RAL 7035 | 443 x 346 x 45* | 16590 |
| Perforated insert for internal width 590 mm | stainless steel | 417 x 364 x 9 | 18922 |
| UB90.060.140.050(UL)2S - Zubehör | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1397 x 60 x 30 | 31359 |
| SOFT-CLOSE | | | 33982 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

Can't find a suitable interior equipment package for your application?



OUR HAZARDOUS MATERIALS WORK STATIONS

... can be found on the pages of the chapter **Extraction of hazardous materials** in this catalogue.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascos services** you are always on the safe side.

You can find our service tariffs from page 512

UB-LINE | UB-S-90



Model UB90.060.110.2S
Order No. 30427-001-35311



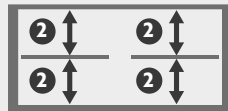
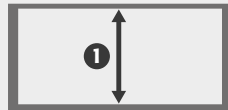
Model UB90.060.110.UL.2S
Order No. 37047-001-35319

Technical data

| | | UB90.060.110.2S UB90.060.110.UL.2S | UB90.060.110.050.2S UB90.060.110.050.UL.2S |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 1102 x 502 x 600 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 979 x 382 x 502 |
| Weight without interior equip. | kg | 180 | 160 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |




Usable storage heights

- 1 mm 465**
- 2 mm 230***



** without perforated insert
*** with second level drawer

Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|------------------------|--|---|------------------------|
| UB90.060.110.2S | without interior equipment, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30427-001 30427-005 |
| UB90.060.110.UL.2S | without interior equipment, UL/ULC 1275 listed, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37047-001 37047-005 |
| UB90.060.110.050.2S | without interior equipment, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30428-001 30428-005 |
| UB90.060.110.050.UL.2S | without interior equipment, UL/ULC 1275 listed, with 2 drawers | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37032-001 37032-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.110[UL].2S | | |
| 2x drawer (V=11.5L) | stainless steel | 35315 |
| 2x drawer (V=11.5L), 2x perforated insert | stainless steel | 35316 |
| 2x drawer (V=11.5L), 1x second level drawer | stainless steel | 35318 |
| UB90.060.110.050[UL].2S | | |
| 2x drawer (V=10.0L) | powder-coated sheet steel RAL 7035 | 35337 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.110(UL)2S | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 434 x 199 x 20* | 10904 |
| Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| SOFT-CLOSE | | | 33980 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.110.050(UL)2S | | | |
| Second level drawer for internal width 590 mm | powder-coated sheet steel RAL 7035 | 443 x 346 x 45* | 16590 |
| Perforated insert for internal width 590 mm | stainless steel | 417 x 364 x 9 | 18922 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Document holder DIN A5 | polystyrene | | 30793 |
| SOFT-CLOSE | | | 33981 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

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THE ASECOS HAZMAT GUIDE

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UB-LINE | UB-S-90



Model UB90.060.110.S
Order No. 30420-001-35327



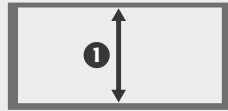
Model UB90.060.110.050.UL.S
Order No. 37039-001-35340

Technical data

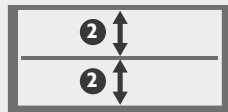
| | | UB90.060.110.S UB90.060.110.UL.S | UB90.060.110.050.S UB90.060.110.050.UL.S |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 1102 x 502 x 600 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 979 x 382 x 502 |
| Weight without interior equip. | kg | 180 | 160 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |

Usable storage heights




- ① mm 465**
- ② mm 230***



** without perforated insert
*** with second level drawer



Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|-----------------------|---|---|------------------------|
| UB90.060.110.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30420-001 30420-005 |
| UB90.060.110.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37054-001 37054-005 |
| UB90.060.110.050.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30421-001 30421-005 |
| UB90.060.110.050.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37039-001 37039-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.060.110[UL].S | | |
| 1x drawer (V=270L) | powder-coated sheet steel RAL 7035 | 35326 |
| 1x drawer (V=26.0L) | stainless steel | 35329 |
| 1x drawer (V=270L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 35327 |
| 1x drawer (V=26.0L), 1x perforated insert | stainless steel | 35330 |
| 1x drawer (V=270L), 1x perforated insert, 1x second level drawer | powder-coated sheet steel RAL 7035, stainless steel | 35328 |
| 1x drawer (V=26.0L), 1x perforated insert, 1x second level drawer | stainless steel | 35331 |
| UB90.060.110.050[UL].S | | |
| 1x drawer (V=22.5L) | powder-coated sheet steel RAL 7035 | 35340 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.110(UL).S | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 930 x 199 x 20* | 10906 |
| Sump inliner | PP | 869 x 378 x 88* | 8564 |
| Anti-slip rubber mat | black | 925 x 434 x 1 | 8697 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.110.050(UL).S | | | |
| Second level drawer | powder-coated sheet steel RAL 7035 | 939 x 346 x 45* | 16592 |
| Perforated insert height = 9 mm | stainless steel | 925 x 364 x 9 | 18921 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing not available for models in UL version

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SECOND LEVEL DRAWER

Plenty of space for small containers, optimal utilisation of the inside space when storing small containers



Safety storage cabinets only provide reliable protection ...

... for humankind, environment and property when they are maintained professionally! With the **asecos services** you are always on the safe side.



3D

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UB-LINE | UB-S-90



Model UB90.060.089.UL.S
Order No. 37024-001-35299



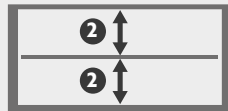
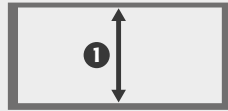
Model UB90.060.089.S
Order No. 30457-001-35299

Technical data

| | | UB90.060.089.S UB90.060.089.UL.S | UB90.060.089.050.S UB90.060.089.050.UL.S |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 893 x 574 x 600 | 893 x 502 x 600 |
| Internal dimensions W x D x H | mm | 771 x 452 x 502 | 771 x 382 x 502 |
| Weight without interior equip. | kg | 140 | 125 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 1 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |

Usable storage heights

- ① mm 460**
- ② mm 230***



** without perforated insert
*** with second level drawer

Main features

- Perfect for installation under fume cupboards or hazardous materials workplaces
- Available in cabinet depths of 574 mm or 502 mm
- Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|-----------------------|---|---|------------------------|
| UB90.060.089.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30457-001 30457-005 |
| UB90.060.089.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37024-001 37024-005 |
| UB90.060.089.050.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30458-001 30458-005 |
| UB90.060.089.050.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37017-001 37017-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.089[UL].S | | |
| 1x drawer (V=20.0L) | stainless steel | 35302 |
| 1x drawer (V=20.0L), 1x perforated insert | stainless steel | 35303 |
| 1x drawer (V=20.0L), 1x second level drawer | powder-coated sheet steel RAL 7035 | 30937 |
| 1x drawer (V=20.0L), 1x second level drawer | stainless steel | 35305 |
| UB90.060.089.050[UL].S | | |
| 1x drawer (V=175L) | powder-coated sheet steel RAL 7035 | 35308 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.089(UL).S | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 887 x 60 x 30 | 31361 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| SOFT-CLOSE | | | 33983 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.089.050(UL).S | | | |
| Second level drawer for internal width 890 mm | powder-coated sheet steel RAL 7035 | 743 x 346 x 45* | 16589 |
| Perforated insert for internal width 890 mm | stainless steel | 717 x 364 x 9 | 19619 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 887 x 60 x 30 | 31361 |
| Document holder DIN A5 | polystyrene | | 30793 |
| SOFT-CLOSE | | | 33983 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

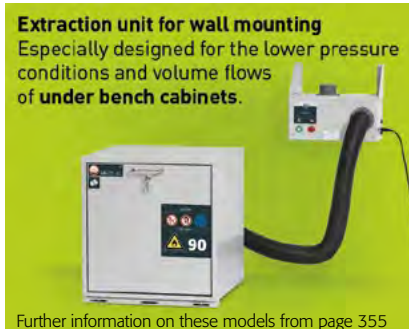
Can't find a suitable interior equipment package for your application?

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TESTED AND CERTIFIED ACCORDING TO **UL/ULC 1275**

Extraction unit for wall mounting
Especially designed for the lower pressure conditions and volume flows of **under bench cabinets**.



Further information on these models from page 355

Are you looking for an appropriate storage solution for hazardous materials?

Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet.



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THE ASECOS HAZMAT GUIDE

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UB-LINE | UB-S-90



Model UB90.060.059.050.UL.S
Order No. 36993-001-35295



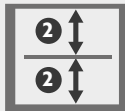
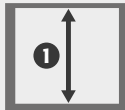
Model UB90.060.059.S
Order No. 30472-001-35286

Technical data

| | | UB90.060.059.S UB90.060.059.UL.S | UB90.060.059.050.S UB90.060.059.050.UL.S |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 593 x 574 x 600 | 593 x 502 x 600 |
| Internal dimensions W x D x H | mm | 470 x 452 x 502 | 470 x 382 x 502 |
| Weight without interior equip. | kg | 120 | 110 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 1 | 1 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |




Usable storage heights

- ① mm 460**
- ② mm 230***



** without perforated insert
*** with second level drawer

Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|-----------------------|---|---|------------------------|
| UB90.060.059.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30472-001 30472-005 |
| UB90.060.059.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37004-001 37004-005 |
| UB90.060.059.050.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30473-001 30473-005 |
| UB90.060.059.050.UL.S | without interior equipment, UL/ULC 1275 listed, with drawer | light grey RAL 7035 laboratory white [sim. RAL 9016] | 36993-001 36993-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.059[UL].S | | |
| 1x drawer (V=11.5L) | stainless steel | 35289 |
| 1x drawer (V=11.5L), 1x perforated insert | stainless steel | 35290 |
| 1x drawer (V=11.5L), 1x second level drawer | stainless steel | 35292 |
| UB90.060.059.050[UL].S | | |
| 1x drawer (V=10.0L) | powder-coated sheet steel RAL 7035 | 35295 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.059(UL).S | | | |
| Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 420 x 199 x 20* | 10905 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| SOFT-CLOSE | | | 33983 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.059.050(UL).S | | | |
| Second level drawer | powder-coated sheet steel RAL 7035 | 430 x 346 x 45* | 16595 |
| Perforated insert for internal width 590 mm | stainless steel | 417 x 364 x 9 | 18922 |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Document holder DIN A5 | polystyrene | | 30793 |
| SOFT-CLOSE | | | 33983 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

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TESTED AND CERTIFIED ACCORDING TO **UL/ULC 1275**

OUR HAZARDOUS MATERIALS WORK STATIONS

... can be found on the pages of the chapter **Extraction of hazardous materials** in this catalogue.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352

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Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com



UB-LINE | UB-S-90



Model UB90.080.110.060.2S
Order No. 32657-001-35372



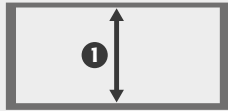
Model UB90.080.059.060.S
Order No. 32658-001-35377

Technical data

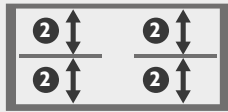
| | | UB90.080.110.060.2S | UB90.080.059.060.S |
|--|-------------------|---------------------|--------------------|
| External dimensions W x D x H | mm | 1102 x 600 x 800 | 593 x 600 x 800 |
| Internal dimensions W x D x H | mm | 979 x 482 x 702 | 470 x 482 x 702 |
| Weight without interior equip. | kg | 233 | 143 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |

Usable storage heights


- ① mm 665**
- ② mm 330***




** without perforated insert
*** with second level drawer



Main features

 Perfect for installation under fume cupboards or hazardous materials workplaces

 Cabinet height of 80 cm ideal for taller containers

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|---------------------|--|---|------------------------|
| UB90.080.110.060.2S | without interior equipment, with 2 drawers | light grey RAL 7035 laboratory white (sim. RAL 9016) | 32657-001 32657-005 |
| UB90.080.059.060.S | without interior equipment, with drawer | light grey RAL 7035 laboratory white (sim. RAL 9016) | 32658-001 32658-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.080.110.060.2S | | |
| 2x drawer (V=25.0L) | powder-coated sheet steel RAL 7035 | 35372 |
| 2x drawer (V=25.0L), 2x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 35373 |
| 2x drawer (V=25.0L), 2x perforated insert, 2x second level drawer | powder-coated sheet steel RAL 7035, stainless steel | 35374 |
| UB90.080.059.060.S | | |
| 1x drawer (V=25.0L) | powder-coated sheet steel RAL 7035 | 35376 |
| 1x drawer (V=25.0L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 35377 |
| 1x drawer (V=25.0L), 1x perforated insert, 1x second level drawer | powder-coated sheet steel RAL 7035, stainless steel | 35378 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|------------------|
| UB90.080.110.060.2S | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 434 x 199 x 20* | 10904 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| UB90.080.059.060.S | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 420 x 199 x 20* | 10905 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Accessories for both sides | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| Ventilation | | | Order No. |
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | | | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | | | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

UB-
LINE

SECOND LEVEL DRAWER

Plenty of space for small containers, optimal utilisation of the inside space when storing small containers



Storing hazardous materials close to your standing workplace?

Our under bench cabinets with 80 cm height can be integrated perfectly and are suitable for 2.5 litre containers.



Extraction unit for wall mounting

Especially designed for the lower pressure conditions and volume flows of under bench cabinets.



Further information from page 355



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

UB-LINE | UB-ST-90

Safety storage under bench cabinets for the unrestricted storage of flammable hazardous materials in working areas.

1

Fits perfectly under fume cupboards

Cabinet makes perfect use of the space available under the fume cupboard.



2

Drawers

Remain open in any position and allow access to all stored goods. The interior is completely visible. Optimal usage of the interior height with the optional second level drawer for storing small containers.



3

Higher comfort

Thanks to the large opening angle, the wing doors allow a view of the entire storage area and facilitate the storage and removal of containers. With the optionally available maximised interior height, the cabinets can be retro-fitted with disposal systems by the customer.



4

Cylinder lock with locking status indicator

Doors lockable with cylinder lock, locking status indicator (red/green) signals the locking status of the cabinet.



5

Ventilation

Integrated air ducts ready for connection (DN 50) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Mobile

Optionally available castors with plinth; simple movement of the cabinet. Height adjustable to various laboratory furniture systems due to attachment covers.



7

DOUBLE CERTIFIED

Certified according to EN 14470-1 as well as the UL standard, the cabinets are suitable for international use.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- You can find our service tariffs from page 512



- Certain cabinets of this model group have been additionally tested in accordance with **Underwriters Laboratories-Standard UL/ULC 1275**



UB-LINE

UB-LINE | UB-ST-90



Model UB90.060.140.S2T
Order No. 30410-001-33777



Model UB90.060.140.050.UL.S2T
Order No. 37062-001-33779

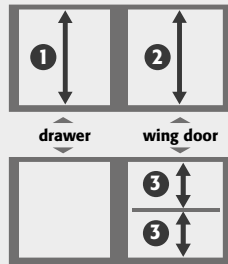
Technical data

| | | UB90.060.140.S2T UB90.060.140.UL.S2T | UB90.060.140.050.S2T UB90.060.140.050.UL.S2T |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1402 x 574 x 600 | 1402 x 502 x 600 |
| Internal dimensions W x D x H | mm | 1279 x 452 x 502 | 1279 x 382 x 502 |
| Weight without interior equip. | kg | 230 | 205 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 3 | 3 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |




Usable storage heights

- ① mm 400*
- ② mm 465**
- ③ mm 230***

* with perforated insert
** without perforated insert
*** with second level drawer



Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|-------------------------|---|---|------------------------|
| UB90.060.140.S2T | without interior equipment, with 1 drawer, 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30410-001 30410-005 |
| UB90.060.140.UL.S2T | without interior equipment, UL/ULC 1275 listed, with 1 drawer, 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37070-001 37070-005 |
| UB90.060.140.050.S2T | without interior equipment, with 1 drawer, 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30411-001 30411-005 |
| UB90.060.140.050.UL.S2T | without interior equipment, UL/ULC 1275 listed, with 1 drawer, 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37062-001 37062-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.060.140[UL].S2T | | |
| Left: 1x perforated insert, 1x bottom collecting sump (V=20.0L) Right: 1x drawer (V=11.5L) | powder-coated sheet steel RAL 7035 | 35356 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 1x drawer (V=11.5L) | stainless steel | 35355 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=20.0L) Right: 1x drawer (V=11.5L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 33777 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 1x drawer (V=11.5L), 1x perforated insert | stainless steel | 30414 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=20.0L) Right: 1x drawer (V=11.5L), 1x perforated insert, 1x second level drawer | powder-coated sheet steel RAL 7035, stainless steel | 33778 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) Right: 1x drawer (V=11.5L), 1x perforated insert, 1x second level drawer | stainless steel | 30415 |
| UB90.060.140.050[UL].S2T | | |
| Left: 1x perforated insert, 1x bottom collecting sump (V=16.5L) Right: 1x drawer (V=10.0L) | powder-coated sheet steel RAL 7035 | 35361 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=16.5L) Right: 1x drawer (V=10.0L) | powder-coated sheet steel RAL 7035, stainless steel | 33779 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=16.5L) Right: 1x drawer (V=10.0L) | powder-coated sheet steel RAL 7035, stainless steel | 33780 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|--|------------------------------------|-----------------|-----------|
| UB90.060.140(UL).S2T - compartment on the right | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 434 x 199 x 20* | 10904 |
| Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| SOFT-CLOSE | | | 33979 |
| UB90.060.140(UL).2ST - accessories | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1397 x 60 x 30 | 31359 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.140.050(UL).S2T - compartment on the right | | | |
| Second level drawer for internal width 590 mm | powder-coated sheet steel RAL 7035 | 443 x 346 x 45* | 16590 |
| SOFT-CLOSE | | | 33979 |
| UB90.060.140.050(UL).2ST - accessories | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | | 31359 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

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Can't find a suitable interior equipment package for your application?




TESTED AND CERTIFIED ACCORDING TO **UL/ULC 1275**

Capture and filter hydrocarbon vapours with our recirculating air filter unit.
Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 355

OUR HAZARDOUS MATERIALS WORK STATIONS

... can be found on the pages of the chapter **Extraction of hazardous materials** in this catalogue.



3D Discover our products in the virtual **3D showroom:**
www.asecos-showroom.com



UB-LINE | UB-ST-90



Model UB90.060.110.ST
Order No. 30432-001-33774



Model UB90.060.110.050.UL.ST
Order No. 37028-001-35342

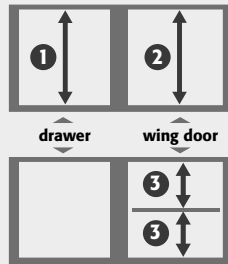
Technical data

| | | UB90.060.110.ST UB90.060.110.UL.ST | UB90.060.110.050.ST UB90.060.110.050.UL.ST |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 1102 x 502 x 600 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 979 x 382 x 502 |
| Weight without interior equip. | kg | 180 | 160 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 |

Usable storage heights

- ① mm 400*
- ② mm 465**
- ③ mm 230***

* with perforated insert
** without perforated insert
*** with second level drawer



Main features

- Perfect for installation under fume cupboards or hazardous materials workplaces
- Available in cabinet depths of 574 mm or 502 mm
- Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|------------------------|--|---|------------------------|
| UB90.060.110.ST | without interior equipment, with 1 drawer, 1 wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30432-001 30432-005 |
| UB90.060.110.UL.ST | without interior equipment, UL/ULC 1275 listed, with 1 drawer, 1 wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37043-001 37043-005 |
| UB90.060.110.050.ST | without interior equipment, with 1 drawer, 1 wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30433-001 30433-005 |
| UB90.060.110.050.UL.ST | without interior equipment, UL/ULC 1275 listed, with 1 drawer, 1 wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37028-001 37028-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.060.110(UL).ST | | |
| Left: 1x perforated insert, 1x bottom collecting sump (V=12.0L) Right: 1x drawer (V=11.5L) | powder-coated sheet steel RAL 7035, stainless steel | 33773 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=11.0L) Right: 1x drawer (V=11.5L) | stainless steel | 35333 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=12.0L) Right: 1x drawer (V=11.5L) | powder-coated sheet steel RAL 7035 | 35334 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=11.0L) Right: 1x drawer (V=11.5L), 1x perforated insert | stainless steel | 30437 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=12.0L) Right: 1x drawer (V=11.5L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 33774 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=11.0L) Right: 1x drawer (V=11.5L), 1x perforated insert, 1x second level drawer | stainless steel | 30438 |
| Left: 1x drawer max. interior height (V=33.0L) Right: 1x drawer (V=11.5L) | powder-coated sheet steel RAL 7035 | 30436 |
| UB90.060.110.050(UL).ST | | |
| Left: 1x perforated insert, 1x bottom collecting sump (V=10.0L) Right: 1x drawer (V=10.0L) | powder-coated sheet steel RAL 7035 | 35342 |
| Left: 1x perforated insert, 1x bottom collecting sump (V=10.0L) Right: 1x drawer (V=10.0L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 34266 |
| Left: 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=10.0L) Right: 1x drawer (V=10.0L), 1x perforated insert | powder-coated sheet steel RAL 7035, stainless steel | 34267 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|-----------------|-----------|
| UB90.060.110[UL].ST - compartment on the right | | | |
| Sump inliner for second level drawer (recom. 2 pcs) | PE black | 434 x 199 x 20* | 10904 |
| Sump inliner | PP grey | 353 x 406 x 88* | 9706 |
| Anti-slip rubber mat | black | 420 x 438 x 1 | 8698 |
| SOFT-CLOSE | | | 33979 |
| UB90.060.110[UL].ST - accessories | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.110.050[UL].ST - compartment on the right | | | |
| Second level drawer for internal width 590 mm | powder-coated sheet steel RAL 7035 | 443 x 346 x 45* | 16590 |
| SOFT-CLOSE | | | 33979 |
| UB90.060.110.050[UL].ST - accessories | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing and SOFT-CLOSE not available for models in UL version

UB-
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Can't find a suitable interior equipment package for your application?



TESTED AND CERTIFIED ACCORDING TO **UL/ULC 1275**

OUR HAZARDOUS MATERIALS WORK STATIONS

... can be found on the pages of the chapter **Extraction of hazardous materials** in this catalogue.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

UB-LINE | UB-T-90

Safety storage under bench cabinets for the unrestricted storage of flammable hazardous materials in working areas.

1

Fits perfectly under fume cupboards

Cabinet makes perfect use of the space available under the fume cupboard.



2

Flexible applications

Model variations in 2 heights, 3 widths and 4 depths enable maximum flexibility in adapting to user requirements and structural conditions



3

Higher comfort

Thanks to the large opening angle, the wing doors allow a view of the entire storage area and facilitate the storage and removal of containers. With the optionally available maximised interior height, the cabinets can be retro-fitted with disposal systems by the customer.



4

Cylinder lock with locking status indicator

Doors lockable with cylinder lock, locking status indicator (red/green) signals the locking status of the cabinet.



5

Ventilation

Integrated air ducts ready for connection (DN 50) to a technical exhaust system can be used for the extraction of hazardous substances vapours. The potential formation of explosive atmospheres or harmful vapours is safely prevented.



6

Mobile

Optionally available castors with plinth; simple movement of the cabinet. Height adjustable to various laboratory furniture systems due to attachment covers.



7

DOUBLE CERTIFIED

Certified according to EN 14470-1 as well as the UL standard, the cabinets are suitable for international use.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- You can find our service tariffs from page 512



- Various cabinets in this model group are also tested to Underwriters Laboratories standard UL/ULC 1275.



UB-LINE

UB-LINE | UB-T-90



Model UB90.060.110.050.UL.2T
Order No. 37035-001-33776



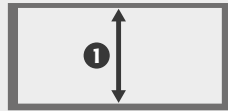
Model UB90.060.110.2T
Order No. 30443-001-33771

Technical data

| | | UB90.060.110.2T UB90.060.110.UL.2T | UB90.060.110.050.2T UB90.060.110.050.UL.2T |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 1102 x 502 x 600 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 979 x 382 x 502 |
| Weight without interior equip. | kg | 180 | 160 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |




Usable storage heights

① mm 400*



* with perforated insert

Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|------------------------|---|---|------------------------|
| UB90.060.110.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30443-001 30443-005 |
| UB90.060.110.UL.2T | without interior equipment, UL/ULC 1275 listed, with 2 wing doors | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37050-001 37050-005 |
| UB90.060.110.050.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30444-001 30444-005 |
| UB90.060.110.050.UL.2T | without interior equipment, UL/ULC 1275 listed, with 2 wing doors | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37035-001 37035-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.060.110[UL].2T | | |
| 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30450 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30451 |
| 1x drawer max. interior height 2-times (right and left side) (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30449 |
| UB90.060.110.050[UL].2T | | |
| 1x perforated insert, 1x bottom collecting sump (V=21.0L) | powder-coated sheet steel RAL 7035 | 33775 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=21.0L) | powder-coated sheet steel RAL 7035 | 33776 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
| UB90.060.110(UL).2T | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.110.050(UL).2T | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing not available for models in UL version

Can't find a suitable interior equipment package for your application?

UB-
LINE




TESTED AND
CERTIFIED ACCORDING
TO **UL/ULC 1275**



**MAXIMISED
INTERIOR HEIGHT**
High storage capacity — ideal for
30-litre-containers

Extraction unit for wall mounting
Especially designed for the lower pressure
conditions and volume flows
of **under bench cabinets**.



Further information from page 355



**ARE YOU LOOKING FOR AN APPROPRIATE STORAGE
SOLUTION FOR HAZARDOUS MATERIALS?**

Our optimised online product configurator helps you,
step by step, to find the suitable safety storage cabinet.
Take the test: www.asecos-configurator.com

UB-LINE | UB-T-90



Model UB90.060.089.2T
Order No. 30464-001-33767



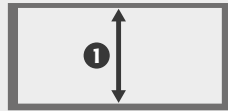
Model UB90.060.089.050.UL.2T
Order No. 37013-001-33770

Technical data

| | | UB90.060.089.2T UB90.060.089.UL.2T | UB90.060.089.050.2T UB90.060.089.050.UL.2T |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 893 x 574 x 600 | 893 x 502 x 600 |
| Internal dimensions W x D x H | mm | 771 x 452 x 502 | 771 x 382 x 502 |
| Weight without interior equip. | kg | 140 | 125 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 1 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |




Usable storage heights

① mm 460**



* with perforated insert

Main features

-  Perfect for installation under fume cupboards or hazardous materials workplaces
-  Available in cabinet depths of 574 mm or 502 mm
-  Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|------------------------|---|---|------------------------|
| UB90.060.089.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30464-001 30464-005 |
| UB90.060.089.UL.2T | without interior equipment, UL/ULC 1275 listed, with 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37020-001 37020-005 |
| UB90.060.089.050.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30465-001 30465-005 |
| UB90.060.089.050.UL.2T | without interior equipment, UL/ULC 1275 listed, with 2 wing doors | light grey RAL 7035 laboratory white (sim. RAL 9016) | 37013-001 37013-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.089(UL).2T | | |
| 1x perforated insert, 1x bottom collecting sump (V=20.0L) | powder-coated sheet steel RAL 7035 | 33767 |
| 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30468 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=20.0L) | powder-coated sheet steel RAL 7035 | 33768 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30469 |
| UB90.060.089.050(UL).2T | | |
| 1x perforated insert, 1x bottom collecting sump (V=16.5L) | powder-coated sheet steel RAL 7035 | 33769 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=16.5L) | powder-coated sheet steel RAL 7035 | 33770 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
| UB90.060.089[UL].2T | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 887 x 60 x 30 | 31361 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.089.050[UL].2T | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 887 x 60 x 30 | 31361 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing not available for models in UL version

Can't find a suitable interior equipment package for your application?

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TESTED AND CERTIFIED ACCORDING TO **UL/ULC 1275**

OUR HAZARDOUS MATERIALS WORK STATIONS

... can be found on the pages of the chapter **Extraction of hazardous materials** in this catalogue.



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascos services** you are always on the safe side.

You can find our service tariffs from page 512

UB-LINE | UB-T-90



Model UB90.060.059.T
Order No. 30481-001-33763



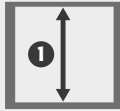
Model UB90.060.059.050.UL.T
Order No. 36997-001-33766

Technical data

| | | UB90.060.059.T UB90.060.059.UL.T | UB90.060.059.050.T UB90.060.059.050.UL.T |
|--|-------------------|---|---|
| External dimensions W x D x H | mm | 593 x 574 x 600 | 593 x 502 x 600 |
| Internal dimensions W x D x H | mm | 470 x 452 x 502 | 470 x 382 x 502 |
| Weight without interior equip. | kg | 120 | 110 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 1 | 1 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |

Usable storage heights

1 mm 400*



* with perforated insert

Main features

- Perfect for installation under fume cupboards or hazardous materials workplaces
- Available in cabinet depths of 574 mm or 502 mm
- Optionally available with UL certification

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|-----------------------|--|---|------------------------|
| UB90.060.059.T | without interior equipment, left hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30481-001 30481-005 |
| UB90.060.059.UL.T | without interior equipment, left hinged, UL/ULC 1275 listed, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37007-001 37007-005 |
| UB90.060.059.TR | without interior equipment, right hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30482-001 30482-005 |
| UB90.060.059.ULTR | without interior equipment, right hinged, UL/ULC 1275 listed, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37010-001 37010-005 |
| UB90.060.059.050.T | without interior equipment, left hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30483-001 30483-005 |
| UB90.060.059.050.UL.T | without interior equipment, left hinged, UL/ULC 1275 listed, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 36997-001 36997-005 |
| UB90.060.059.050.TR | without interior equipment, right hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 30484-001 30484-005 |
| UB90.060.059.050.ULTR | without interior equipment, right hinged, UL/ULC 1275 listed, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 37000-001 37000-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.060.059(UL).T(R) | | |
| 1x perforated insert, 1x bottom collecting sump (V=11.0L) | stainless steel | 30488 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=11.0L) | stainless steel | 30489 |
| 1x drawer max. interior height left hinged (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30487 |
| 1x drawer max. interior height right hinged (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30871 |
| UB90.060.059.050(UL).T(R) | | |
| 1x perforated insert, 1x bottom collecting sump (V=10.0L) | powder-coated sheet steel RAL 7035 | 33765 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=10.0L) | powder-coated sheet steel RAL 7035 | 33766 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
| UB90.060.059(UL).T(R) | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |
| UB90.060.059.050(UL).T(R) | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting, for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |
| Adapter as separate housing unit for lateral mounting | 26885 |

* W x D = usable floor space
Accessories Pipe bushing not available for models in UL version

Can't find a suitable interior equipment package for your application?

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THE ASECOS HAZMAT GUIDE

... we have collected the most important information on storing and handling hazardous materials safely.

Order your free copy now: www.asecos.co.uk

UB-LINE | UB-T-90



Model UB90.080.110.060.2T
Order No. 36418-001-33771



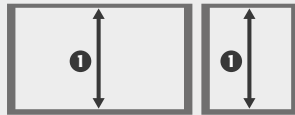
Model UB90.080.059.060.T
Order No. 35900-001-33763

Technical data

| | | UB90.080.110.060.2T | UB90.080.059.060.T |
|--|-------------------|---------------------|--------------------|
| External dimensions W x D x H | mm | 1102 x 600 x 800 | 593 x 600 x 800 |
| Internal dimensions W x D x H | mm | 979 x 482 x 702 | 470 x 482 x 702 |
| Weight without interior equip. | kg | 233 | 143 |
| Extraction air | DN | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 |

Usable storage heights

① mm 600*



* with perforated insert

Main features



Perfect for installation under fume cupboards or hazardous materials workplaces



Cabinet height of 80 cm ideal for taller containers

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|---------------------|--|---|------------------------|
| UB90.080.110.060.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 laboratory white [sim. RAL 9016] | 36418-001 36418-005 |
| UB90.080.059.060.T | without interior equipment, left hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 35900-001 35900-005 |
| UB90.080.059.060.TR | without interior equipment, right hinged, with wing door | light grey RAL 7035 laboratory white [sim. RAL 9016] | 35915-001 35915-005 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|---|-----------|
| UB90.080.110.060.2T | | |
| 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30450 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=22.0L) | stainless steel | 30451 |
| 1x drawer max. interior height 2-times (right and left side) (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30449 |
| UB90.080.059.060.T[R] | | |
| 1x perforated insert, 1x bottom collecting sump (V=11.0L) | stainless steel | 30488 |
| 1x shelf, 1x perforated insert, 1x bottom collecting sump (V=11.0L) | stainless steel | 30489 |
| 1x drawer max. interior height left hinged (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30487 |
| 1x drawer max. interior height right hinged (V=33.0L) | sheet steel powder-coated (electrically conductive) RAL 7035 | 30871 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
| UB90.080.110.060.2T | | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| UB90.080.059.060.T | | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 587 x 60 x 30 | 31360 |
| Accessories for both sides | | | |
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

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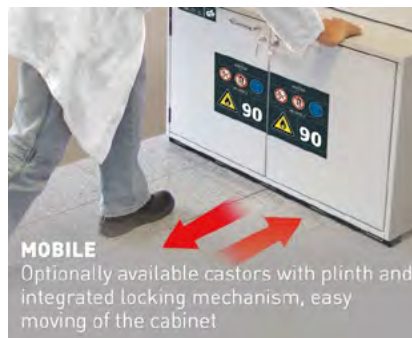
Storing hazardous materials close to your standing workplace?

Our under bench cabinets with 80 cm height can be integrated perfectly and are suitable for 2.5 litre containers.



MOBILE

Optionally available castors with plinth and integrated locking mechanism, easy moving of the cabinet



Capture and filter hydrocarbon vapours with our recirculating air filter unit.

Benefit from the reliable technical ventilation of your safety storage cabinets without the need for complex connections to exhaust air ducts.



Further information from page 352



SAFETY STORAGE CABINETS ONLY PROVIDE RELIABLE PROTECTION ...

... for humankind, environment and property when they are maintained professionally! With the **ascos services** you are always on the safe side.

You can find our service tariffs from page 512

UB-LINE | UB-T-90



Model UB90.080.110.075.2T
Order No. 30107-001-30762



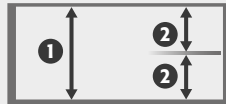
Model UB90.080.110.075.2T
Order No. 30107-001-30712

Technical data

| | | UB90.080.110.075.2T |
|--|-------------------|---------------------|
| External dimensions W x D x H | mm | 1102 x 752 x 800 |
| Internal dimensions W x D x H | mm | 979 x 626 x 701 |
| Weight without interior equip. | kg | 200 |
| Extraction air | DN | 50 |
| Air change 10 times | m ³ /h | 4 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 5 |

Standard storage heights of the drawers

| | | |
|---|----|-----|
| ① | mm | 580 |
| ② | mm | 280 |



Main features



Perfect for installation under fume cupboards or hazardous materials workplaces



Cabinet height of 80 cm ideal for taller containers

You will find technical drawings for these cabinet models from page 228

| Model | Information / equipment | Colour | Order No. |
|---|---|------------------------------------|-----------|
| UB90.080.110.075.2T | without interior equipment, with 2 wing doors | light grey RAL 7035 | 30107-001 |
| Interior equipment packages (can only be ordered in combination with the cabinet) | | Material | Order No. |
| 1x perforated insert, 1x bottom collecting sump (V=33.0L) | | stainless steel | 30762 |
| 1x drawer (V=33.0L) | | powder-coated sheet steel RAL 7035 | 30711 |
| 2x drawer (V=33.0L) | | powder-coated sheet steel RAL 7035 | 30712 |

Accessories for these cabinet models:

| Interior equipment | Material | W x D x H (mm) | Order No. |
|---|------------------------------------|----------------|-----------|
| Pipe lead-through | powder-coated sheet steel RAL 7035 | 182 x 104 x 48 | 30035 |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 1097 x 60 x 30 | 31358 |
| Bottle rack for 32 bottles with Ø 40 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7602 |
| Bottle rack for 15 bottles with Ø 70 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7603 |
| Bottle rack for 8 bottles with Ø 90 mm | powder-coated sheet steel RAL 7035 | 210 x 440 x 30 | 7604 |
| Document holder DIN A5 | polystyrene | | 30793 |

| Ventilation | Order No. |
|--|-----------|
| Extraction unit with exhaust air monitoring for wall mounting for under bench cabinets | 24315 |
| Recirculating air filter system with exhaust air monitoring for tall and underbench cabinets | 39306 |

* W x D = usable floor space

Can't find a suitable interior equipment package for your application?

UB-LINE | UB-T-90E

Safety storage under bench cabinets for the unrestricted storage and collection of flammable hazardous materials in working areas

1 PROFESSIONAL

Minimised risk through fully certified complete systems, consisting of conductive type 90 safety storage cabinets and integrated disposal components for the safe collection of solvent waste. Integrated level indicator and exhaust air monitoring with visual display (red/green) and acoustic alarm.



2

Detailed, seamless, and personalised approval documentation is included in the scope of delivery.



3

Choose from two different interior equipments packages (BASIC, PREMIUM), as well as optional accessories to provide optimal solutions for a wide range of applications.



1 MODULAR

The type 90 under bench cabinets are optionally available in completely conductive or non-conductive versions.



1 SLIM

Various models

Choose from four Type 90 safety cabinets, depending on the canister size and quantity.



2

Optimally prepared for the installation of disposal components by the customer.



2

Under bench cabinets with drawers

Allow convenient access to the disposal canisters, equipped with a funnel.





- **Fire resistance of 90 minutes** (type 90), type-tested in accordance with EN 14470-1



- **GS-tested** (document EK5/AK4 09-10, ProdSG)



- Conformity in accordance with the requirements of **EN 16121** and **16122**
- Requirements and test methods for safety, strength, durability and stability.



- **Excellent products with special manufacturer warranty**
- Extended **manufacturer warranty of up to 5 years** in combination with the asecos BASICPlus tariff
- Further information from page 512



UB-LINE

UB-LINE | UB-T-90E PROFESSIONAL



Model UB90.060.110.2T:0014
Order No. 36521-882-38347



Model UB90.060.059.T:0014
Order No. 36511-882-38346



Model UB90.080.059.060.T:0014
Order No. 36539-882-38348

| Technical data | | UB90.060.110.2T:0014 | UB90.060.059.T:0014 | UB90.080.059.060.T:0014 |
|--|-------------------|----------------------|---------------------|-------------------------|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 593 x 574 x 600 | 593 x 600 x 800 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 470 x 452 x 502 | 470 x 482 x 702 |
| Weight without interior equip. | kg | 180 | 120 | 143 |
| Extraction air | DN | 50 | 50 | 50 |
| Air change 10 times | m ³ /h | 2 | 1 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 | 1 |

Main features



Incl. approved fire protection bushes



Built-in signal box for monitoring fill levels and exhaust air



Pull-out tray with positioning frame for the disposal canisters

You will find technical drawings for these cabinet models from page 228

| Model | Body colour | Door colour | Order No. |
|-------------------------|---------------------|---------------------|-----------|
| UB90.060.110.2T:0014 | light grey RAL 7035 | stainless steel | 36521-882 |
| | | light grey RAL 7035 | 36521-889 |
| UB90.060.059.T:0014 | light grey RAL 7035 | stainless steel | 36511-882 |
| | | light grey RAL 7035 | 36511-889 |
| UB90.080.059.060.T:0014 | light grey RAL 7035 | stainless steel | 36539-882 |
| | | light grey RAL 7035 | 36539-889 |

| Interior equipment packages (can only be ordered in combination with the cabinet) | Material | Order No. |
|---|--|-----------|
| UB90.060.110.2T:0014 | | |
| PREMIUM | | |
| 2 x drawer | stainless steel, PE conductive | 38347 |
| 1 x disposal system (3 x disposal channel) | | |
| 4 x canister 10 L | | |
| 1 x exhaust air monitoring | | |
| BASIC | | |
| 2 x drawer | sheet steel powder-coated (electrically conductive), PE conductive | 38343 |
| 1 x disposal system (3 x disposal channel) | | |
| 4 x canister 10 L | | |
| UB90.060.059.T:0014 | | |
| PREMIUM | | |
| 1 x drawer | stainless steel, PE conductive | 38346 |
| 1 x disposal system (1 x disposal channel) | | |
| 2 x canister 10 L | | |
| 1 x exhaust air monitoring | | |
| BASIC | | |
| 1 x drawer | sheet steel powder-coated (electrically conductive), PE conductive | 38341 |
| 1 x disposal system (1 x disposal channel) | | |
| 2 x canister 10 L | | |
| UB90.080.059.060.T:0014 | | |
| PREMIUM | | |
| 1 x drawer | stainless steel, PE conductive | 38348 |
| 1 x disposal system (1 x disposal channel) | | |
| 2 x canister 20 L | | |
| 1 x exhaust air monitoring | | |
| BASIC | | |
| 1 x drawer | sheet steel powder-coated (electrically conductive), PE conductive | 38345 |
| 1 x disposal system (1 x disposal channel) | | |
| 2 x canister 20 L | | |

Accessories for these cabinet models:

| Interior equipment | Material | Order No. |
|---|------------------------------------|-----------|
| UB90.060.110.2T:0014 | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31358 |
| UB90.060.059.T:0014 / UB90.080.059.060.T:0014 | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31360 |
| Accessories for both sides | | |
| Fill-in set 1: Funnel small with cap (PE-HD electrical conductive) and table lead-through (GL45/GL25) | PE | 37282 |
| Fill-in set 2: ball funnel with cap (PE-HD electrical conductive) and table lead-through (GL45/GL25) | | 37283 |
| Fill-in set 3: draining adapter for basin, PE-HD electrical conductive, G 1 1/2" | PE | 36567 |

UB-LINE | UB-T-90E MODULAR



Model UB90.060.110.2T:0014
Order No. 36521-882-36825



Model UB90.060.059.T:0014
Order No. 36511-882-36824



Model UB90.080.059.060.T:0014
Order No. 36539-882-38530

Technical data

| | | UB90.060.059.T UB90.060.059.T:0014 | UB90.060.110.2T UB90.060.110.2T:0014 | UB90.080.059.060.T UB90.080.059.060.T:0014 |
|--|-------------------|---|---|---|
| External dimensions W x D x H | mm | 593 x 574 x 600 | 1102 x 574 x 600 | 593 x 600 x 800 |
| Internal dimensions W x D x H | mm | 470 x 452 x 502 | 979 x 452 x 502 | 470 x 482 x 702 |
| Weight without interior equip. | kg | 120 | 180 | 143 |
| Extraction air | DN | 50 | 50 | 50 |
| Air change 10 times | m ³ /h | 1 | 2 | 2 |
| Diff. pressure (air change 10 times EK5/AK4) | Pa | 1 | 1 | 1 |

Main features



Optionally expandable in case of changing workplace conditions



Pull-out tray with positioning frame for the disposal canisters

You will find technical drawings for these cabinet models from page 228

| Model | Body colour | Door colour | Order No. |
|--|----------------------------------|--|------------------|
| Outer corpus without discharge capacity | | | |
| UB90.060.110.2T | light grey RAL 7035 | light grey RAL 7035 | 30443-001 |
| | laboratory white (sim. RAL 9016) | laboratory white (sim. RAL 9016) | 30443-005 |
| UB90.060.059.T | light grey RAL 7035 | light grey RAL 7035 | 30481-001 |
| | laboratory white (sim. RAL 9016) | laboratory white (sim. RAL 9016) | 30481-005 |
| UB90.080.059.060.T | light grey RAL 7035 | light grey RAL 7035 | 35900-001 |
| | laboratory white (sim. RAL 9016) | laboratory white (sim. RAL 9016) | 35900-005 |
| Outer corpus with discharge capacity | | | |
| UB90.060.110.2T:0014 | light grey RAL 7035 | light grey RAL 7035 | 36521-889 |
| | | stainless steel | 36521-882 |
| UB90.060.059.T:0014 | light grey RAL 7035 | light grey RAL 7035 | 36511-889 |
| | | stainless steel | 36511-882 |
| UB90.080.059.060.T:0014 | light grey RAL 7035 | light grey RAL 7035 | 36539-889 |
| | | stainless steel | 36539-882 |
| Interior equipment packages (can only be ordered in combination with the cabinet) | | Material | Order No. |
| UB90.060.110.2T | | | |
| 2x drawer max. interior height (V=15.5L), 2x positioning sheet | | brushed stainless steel, stainless steel | 36814 |
| UB90.060.059.T | | | |
| 1x drawer (disposal) left hinged (V=15.5L), 1x positioning sheet | | brushed stainless steel, stainless steel | 36813 |
| UB90.080.059.060.T | | | |
| 1x drawer (disposal) left hinged (V=30.0L), 1x positioning sheet | | brushed stainless steel, stainless steel | 37114 |
| UB90.060.110.2T:0014 | | | |
| 2x drawer max. interior height (V=15.5L), 2x positioning sheet | | brushed stainless steel, stainless steel | 36825 |
| UB90.060.059.T:0014 | | | |
| 1x drawer (disposal) left hinged (V=15.5L), 1x positioning sheet | | brushed stainless steel, stainless steel | 36824 |
| UB90.080.059.060.T:0014 | | | |
| 1x drawer (disposal) left hinged (V=30.0L), 1x positioning sheet | | brushed stainless steel, stainless steel | 38530 |

Accessories for these cabinet models:

| Interior equipment | Material | Order No. |
|--|------------------------------------|-----------|
| UB90.060.110.2T(0014) | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31358 |
| Pipe lead-through enclosed, for customer assembly | powder-coated sheet steel red | 28088 |
| UB90.060.059.T(0014) / UB90.080.059.060.T(0014) | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31360 |
| Pipe lead-through enclosed, for customer assembly | powder-coated sheet steel red | 28088 |

Please note:

The use of the pipe lead-through listed in the accessories is mandatory when installing hoses and cables of the on-site waste disposal systems. Only then is the tested fire resistance of the cabinets (type 90 according to EN 14470-1) guaranteed. The pipe lead-through is enclosed with the cabinet and can be mounted on the cabinet by the customer according to the manufacturer's specifications.

UB-LINE | UB-S-90E SLIM



Model UB90.060.110.2S
Order No. 30427-001-38354



Model UB90.060.059.S
Order No. 30472-001-38352



Model UB90.080.059.060.S
Order No. 32658-001-38357

| Technical data | | UB90.060.110.2S | UB90.060.059.S | UB90.080.110.060.2S | UB90.080.059.060.S |
|---|-------------------|------------------|-----------------|---------------------|--------------------|
| External dimensions W x D x H | mm | 1102 x 574 x 600 | 593 x 574 x 600 | 1102 x 600 x 800 | 593 x 600 x 800 |
| Internal dimensions W x D x H | mm | 979 x 452 x 502 | 470 x 452 x 502 | 979 x 482 x 702 | 470 x 482 x 702 |
| Weight without interior equip. | kg | 180 | 120 | 233 | 143 |
| Air change 10 times | m ³ /h | 2 | 1 | 2 | 2 |
| Diff. pressure (air change 10 times EK5/ AK4) | Pa | 1 | 1 | 1 | 1 |
| Max. load of drawers | kg | 50 | 50 | 50 | 50 |

Main features



Canister incl. funnel made of high-quality, electrically conductive PE-HD

You will find technical drawings for these cabinet models from page 228

| Model | Body colour | Colour | Order No. |
|---|---|---|------------------------|
| UB90.060.110.2S | light grey RAL 7035 laboratory white (sim. RAL 9016) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30427-001 30427-005 |
| UB90.060.059.S | light grey RAL 7035 laboratory white (sim. RAL 9016) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 30472-001 30472-005 |
| UB90.080.110.060.2S | light grey RAL 7035 laboratory white (sim. RAL 9016) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 32657-001 32657-005 |
| UB90.080.059.060.S | light grey RAL 7035 laboratory white (sim. RAL 9016) | light grey RAL 7035 laboratory white (sim. RAL 9016) | 32658-001 32658-005 |
| Interior equipment packages (can only be ordered in combination with the cabinet) | | Material | Order No. |
| UB90.060.110.2S | | | |
| 2x drawer (V=15.5L), 2x funnel, 2x canister 10L | | powder-coated sheet steel RAL 7035, PE conductive | 38354 |
| UB90.060.059.S | | | |
| 1x drawer (V=15.5L), 1x funnel, 1x canister 10L | | powder-coated sheet steel RAL 7035, PE conductive | 38352 |
| UB90.080.110.060.2S | | | |
| 2x drawer (V=30.0L), 2x funnel, 2x canister 20L | | powder-coated sheet steel RAL 7035, PE conductive | 38359 |
| UB90.080.059.060.S | | | |
| 1x drawer (V=30.0L), 1x funnel, 1x canister 20L | | powder-coated sheet steel RAL 7035, PE conductive | 38357 |

Accessories for these cabinet models:

| Interior equipment | Material | Order No. |
|--|------------------------------------|-----------|
| UB90.060.110.2S / UB90.080.110.060.2S | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31358 |
| UB90.060.059.S / UB90.080.059.060.S | | |
| Castors with plinth | powder-coated sheet steel RAL 7015 | 31360 |

UB-LINE SLIM

Disposal system for intermediate storage of waste liquids. SLIM safety storage cabinets consist of a safety storage cabinet with drawer(s) and disposal canister(s). The liquids are dispensed into the disposal canister via a screwed-on funnel.



UB-LINE SLIM

High-quality **disposal canister** with funnel made of electrically conductive PE-HD.



Safety storage cabinets only provide reliable protection ...

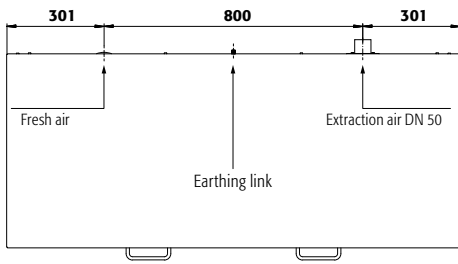
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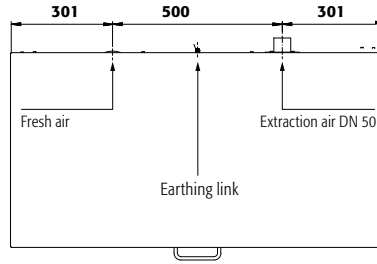
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Our optimised online product configurator helps you, step by step, to find the suitable safety storage cabinet. Take the test: www.asecos-configurator.com

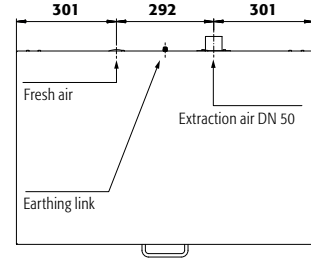
Top views



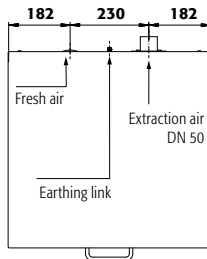
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UB90.060.140.050(.UL).xxx



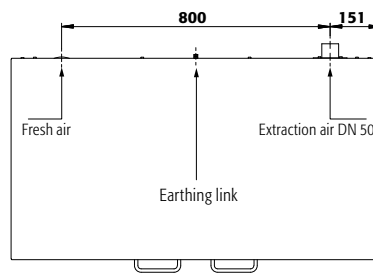
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UB90.060.110.050(.UL).xxx
UB90.080.110.075.2T



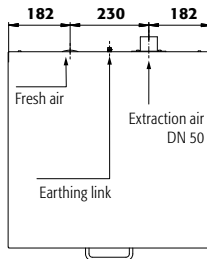
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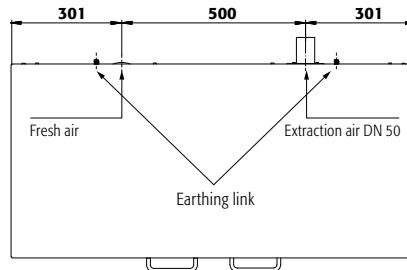
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UB90.060.059.050(.UL).xxx
UB90.060.059.T:0014



UB90.080.110.xxx



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UB90.080.059.T:0014



UB90.060.110.2T:0014

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