



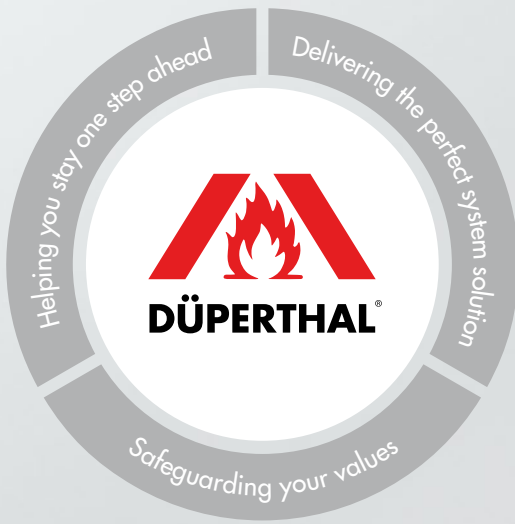
HSC line and ACID line

Safety storage cabinets in modern design



**Type 90**

Safety storage cabinets  
for combined storage



# Welcome to DÜPERTHAL, Welcome to the Original!

As a leading German quality and technology enterprise, we set the standards when it comes to designing system solutions for process-optimised storage of chemicals and hazardous materials. All of our products and solutions are tailored specifically to meet your requirements. Aside from maximum safety, they offer the highest levels of effectiveness and efficiency – even in situations where there is no risk of fire. We are therefore providing you, as the customer, with reassurance. This is what we, as a family-run company, stand for. The original is what we stand for.



## **Safeguarding your values –** Since 1973, and into the future

For more than forty years, we have been setting standards in our industry. As our customer, you benefit from our technological and commercial know-how: expertise that has been demonstrated in numerous reference projects for renowned international organisations. We constantly raise the bar, continuing to enhance our safety solutions so that we can help safeguard your values, also in the future.



## **Delivering the perfect system solution –** Customised designs, if needed, TÜV-certified prior to installation.

In addition to standard products of exceptional quality, we are the only company on the market to also offer customised, TÜV-certified system solutions that do not require acceptance on delivery. From consultation to components, installation and routine maintenance – we always strive to offer the best possible added value from the perspective of technical safety and operational management.



## **Helping you stay one step ahead –** With service and personal communication

By choosing a DÜPERTHAL solution, you are also gaining a strong, proactive partner. Our aim is to always stay one step ahead. All our products and solutions exceed the requirements laid down by certification programmes. The same applies to our work with you. We openly discuss challenges and proposed improvements, helping you to always identify the ideal solution.

# Our commitment For your safety



HSC line – the Type 90 and ACID lines from DÜPERTHAL offer maximum flexibility and safety for the storage of aggressive chemicals. Whether you wish to store flammable substances, acids and lye separately or together, DÜPERTHAL offers precisely the solution you need to optimise your procedures and ensure full-compliance with occupational safety and health requirements.

- » Outstanding quality ..... 6
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# Solved internally, confirmed externally and independently

For DÜPERTHAL, quality is the main focus. Proof of this are the quality marks of approval awarded to each of our safety storage cabinets, in recognition of our comprehensive quality management as per DIN EN ISO 9001. One basic condition here is that, apart from our own in-house checks, production of the safety storage cabinets is continuously monitored by external accredited test institutes.



## Occupational safety and health

### OSHA / EU-OSHA

Protecting employees and the environment is the highest priority when handling hazardous substances. Therefore, DÜPERTHAL HSC line guarantees compliance with the requirements of OSHA and EU-OSHA.

### Tested safety at a very high level including

- » Type testing according to DIN EN 14470-1 by recognised test institutes (TÜV Süd, iBMB Braunschweig, ift Rosenheim).
- » TÜV testing according to DIN EN 14727 (laboratory furniture standard).
- » Type 90 classification in accordance with DIN EN 14470-1.
- » GS/CE mark.



## Be prepared for the worst

Utmost care is essential in the handling of hazardous and dangerous substances. Our technologies with superior fire resistance help you in this. For example, the safety storage cabinets of our HSC line provide 90 minutes of fire resistance and are tested and approved in compliance with DIN EN 14470-1 standards.



### Fire resistance of 90 minutes

Type 90 fire and explosion resistant safety cabinets from DÜPERTHAL provide reliable fire resistance for 90 minutes. When the worst comes to the worst, this provides sufficient time for evacuation and a safe time window for fighting the fire in earnest

### Aggressive chemicals and flammable substances

Utmost care is essential when storing highly corrosive and caustic agents such as acids and lye. The ACID line from DÜPERTHAL has been specially designed and approved for their storage. But what if you need to store them together with flammable substances? The HSC line by DÜPERTHAL masters this complex challenge under consideration of all legal requirements. Both versions offer you numerous additional features for custom-optimised and safe working procedures

# Maximum safety in all areas

The handling of hazardous substances is subject to stringent regulations – for good reason. DÜPERTHAL can help you to meet all the relevant requirements whilst at the same time optimising your procedures. Our diverse range of products offers you flexible solutions with which to design your laboratory and workspace to your own specifications. Whether you require 90-minute fire resistance, refrigerated media storage or a combined solution for storing flammable hazardous substances with other chemicals, we can help you to create working areas that offer full compliance with all the legal and technical requirements. During the entire process, DÜPERTHAL's qualified professionals are always on hand to provide you with advice.



## Safe storage for flammable substances

By guaranteeing 90 minutes of fire-resistant and explosion-proof storage, the Type 90 safety cabinets from DÜPERTHAL comply in all respects with the requirements of the Technical Rules for Hazardous Substances for storing flammable liquids. However, the following is also still applicable: Only those substances may be stored together if their joint storage does not increase the respective risks. Safety storage cabinets and their safety-relevant features thus may not suffer any damage. In response to complex storage requirements, including combined storage, DÜPERTHAL therefore offers solutions such as the hazardous substances centre. We are always glad to assist you with solutions that can optimise your storage facilities. We help you to select suitable safety storage cabinets and optimised accessories, such as exhaust air systems and other extras that facilitate your daily work.



# System solutions, tailored to your requirements

DÜPERTHAL offers system solutions for process-optimised storage of chemicals and hazardous substances in scientific research, development and production. Our goal is to accommodate your individual requirements in customised solutions. This is why you can expect not only remarkable certified products, but also outstanding service. Our team will help you to improve your work processes and to integrate our products in the best possible way so as to considerably enhance your safety.



## Varied product range

With all our solutions you have a choice between the standard product on the market and highly customised packages with a variety of fitted features. Professional advice and comprehensive service are always guaranteed.

# DÜPERTHAL – constant reassurance

For the duration of our partnership, you will benefit from DÜPERTHAL's unique service: from project planning and technical product advice to delivery of the product itself, you can always depend on us.



## Always at your service

### Specialist carrier with checklist

Safety starts with the delivery of the product. Our specialist carrier works according to a detailed checklist and therefore ensures that our products are professionally installed in their final place of use.

### Service agreement – the clever option

With a service agreement, we offer you the full service including maintenance and repair of your safety storage cabinets. Additionally, we will extend the manufacturer's guarantee to cover the contract period of the service agreement. The first inspection within the scope of a service agreement is free of charge.



*„Through regular maintenance within the scope of a service agreement, we guarantee the safety of your DÜPERTHAL safety storage cabinets for many years.“*

Tommy Fittkau, Manager Technical Service, Quality Management

# Eye-catcher – or inconspicuous storage?

HSC line cabinets are available in a selection of colours to meet your personal tastes, corporate needs or the style of your working environment. The standard colour of the base is slate grey (RAL 7015). Apart from the colours depicted below, individual colour preferences can also be fulfilled. ACID line cabinets are available only in light grey (RAL 7035).



Golden yellow  
RAL 1004

Light grey  
RAL 7035

Zinc yellow  
RAL 1018

Pure white  
RAL 9010

# Locking systems for even more safety in the HSC line

Only authorised personnel should be granted access to the HSC line safety storage cabinet. After all, the substances stored here will also require skilled handling. Choose the locking system best suited for your facility – for maximum safety when storing dangerous chemicals.



## Alternatives for safe access control

### Cylinder lock (standard equipment)

All HSC line cabinets have a cylinder lock, as a standard.

### Access with RFID card for intelligent protection against unauthorised access

The HSC line is perfectly suited for the Modular Protection System MPS, i.e. unlocking of the door with RFID user card with MPS-1.

### Integration into locking systems

To integrate the cabinets into existing locking systems, profile half-cylinder locks can be supplied.

# Preventing dangers individually in the HSC line

Safety is a complex topic. For this reason, the HSC line not only offers the tried and tested fire resistance of 90 minutes in the unit for flammable liquids, but also reliable and media-resistant storage space for acids and lye. We have a wide range of accessories to ensure that the safety storage cabinets can be adapted to any local requirements.



## Safely stored

### Pipe penetrations

We can arrange for variable, reclosable penetrations for stainless steel pipes, cables or hoses up to Ø 28 mm to be incorporated in the cabinet roof or the side panel. Flush-mounted penetrations can also be supplied.

### Equipotential bonding

As a standard, the HSC line is equipped with equipotential bonding saddles at the rear of the cabinet for direct earthing connection in accordance with TRBS 2153.

### Floor extraction

Permanent floor extraction guarantees that harmful substances or vapours, which collect at the bottom, are safely picked up and removed with the exhaust air.

### Exhaust air systems


Exhaust air systems help prevent explosive areas in working spaces. An integrated exhaust air monitoring unit will emit alarm signals in case of failures (optionally available with ventilator). The exhaust air socket (NW 75) on the cabinet roof facilitates connection to the exhaust air system.

## HSC line and ACID line at a glance

As every cabinet has to satisfy different demands, the choice of features is entirely up to you – choose between HSC line – Type 90 and ACID line.

### HSC UTS ergo LD

2 pull-out trays,  
1 perforated sheet insert



| Dimensions [in mm] |       |        |
|--------------------|-------|--------|
| Width              | Depth | Height |
| 1100               | 595   | 631    |

HSC UTS ergo LD

### HSC UTS ergo XL

2 pull-out trays,  
1 perforated sheet insert



| Dimensions [in mm] |       |        |
|--------------------|-------|--------|
| Width              | Depth | Height |
| 1400               | 595   | 631    |

HSC UTS ergo XL

### HSC hazardous substances centre

Acids and lye cabinet: 6 pull-out trays  
Storage chamber: 2 storage levels

Safety storage cabinet CLASSIC S:  
1 shelf, 1 bottom tray, 1 perforated sheet insert



| Dimensions [in mm] |       |        |
|--------------------|-------|--------|
| Width              | Depth | Height |
| 1195               | 660   | 2040   |

HSC hazardous substances centre

## ACID UTS ST – LT

4 pull-out trays  
or 2 pull-out trays

### Dimensions [in mm]

|             | Width | Depth | Height |
|-------------|-------|-------|--------|
| ACID UST ST | 560   | 660   | 635    |
| ACID UST LT | 1100  | 660   | 635    |



ACID UST ST



ACID UST LT

## ACID UTS L

1 PP-shelf insert,  
1 drawer

### Dimensions [in mm]

| Width | Depth | Height |
|-------|-------|--------|
| 1100  | 600   | 635    |



ACID UTS L

## ACID M1 – M4

6 pull-out trays or  
4 pull-out trays

### Dimensions [in mm]

| Outer |     |      |
|-------|-----|------|
| 600   | 660 | 2040 |



ACID M1



ACID M2



ACID M3



ACID M4



# HSC UTS ergo line<sup>®</sup> – Type 90

For compact storage of acids, lye and flammable liquids, we recommend the HSC UTS ergo line<sup>®</sup>. Apart from 90 minutes fire protection, this versatile under-bench solution offers a new dimension of safety and convenience to your laboratory.



HSC UTS ergo LD



HSC UTS ergo XL

## Interior fittings:

- » Type 90 safety storage cabinet with pull-out trays made of powder-coated sheet steel.
- » Acids and lye cabinet with pull-out trays made of polypropylene.

## Construction:

- » Wing doors made of powder-coated sheet steel.
- » Outer carcass made of powder-coated sheet steel.
- » Inner carcass of the Type 90 safety storage cabinet made of high-quality decor panels, inner carcass of the acids and lye cabinet made of polypropylene

## Colour:

- » Wing doors of Type 90 safety storage cabinet in zinc yellow RAL 1018.
- » Wing doors of acids and lye cabinet in grey white RAL 9002.
- » Carcass completely in light grey RAL 7035.
- » Individual colours possible.

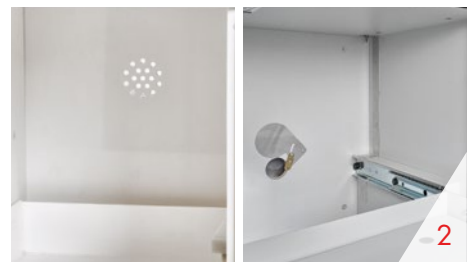


## Safety and functionality

The safety storage cabinets of the HSC UTS ergo line® are ideal for safely storing both acids and lye as well as flammable liquids. They have a variety of additional features which help increase safety and work comfort.

### Focus on functionality

- 1** The cabinets have separate storage compartments for acids and lye and for flammable liquids, thus enabling combined storage where space is limited. The interior of the acids and lye cabinet is made of polypropylene, offering a high level of media-resistance.
- 2** The layout of the air supply and exhaust air valves is optimised for the purpose of visual inspection. Vapours arising from acids, lye and solvents are extracted via separate ventilation ducts.
- 3** Permanent floor extraction through the slotted base guarantees that no harmful substances or vapours collect at the bottom. These are safely picked up and removed with the exhaust air.
- 4** The cabinets are equipped with equipotential bonding saddles for earthing connection as a standard. The interior fittings of the safety storage cabinet are conductively connected with the equipotential bonding saddles.



## Further features



### Acids and lye unit

The arrest system of the pull-out tray prevents the tray from being pulled out completely by accident. In order to remove the pull-out tray for cleaning, it only needs to be tilted slightly.



### One-hand wing door technology

The doors can be opened without effort and the pull-out tray of the safety storage cabinet slides out automatically. In case of fire, a thermocouple initiates automatic closing of the door. A logical closure sequence guarantees closing without blocking even when trays are pulled out.

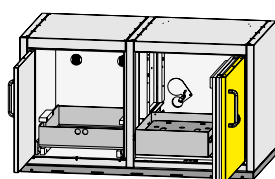


Tested safety at a very high level including:

## Ordering information



### 1.8.1 HSC UTS ergo line LD – width 1100mm



#### Details

2 pull-out trays, 1 perforated sheet insert, and 35 mm base

#### Design

Interior fittings polypropylene / sheet steel

#### Ref. no.

39-061167-005

#### Dimensions [in mm]

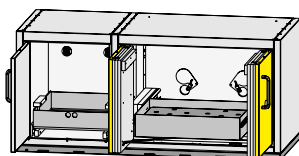
|        | Outer | Inner |       |
|--------|-------|-------|-------|
|        |       | Left  | Right |
| Width  | 1100  | 418   | 503   |
| Depth  | 595   | 543   | 463   |
| Height | 631   | 501   | 480   |

#### Max. storage capacity/standing space

| Quantity | Type of container        | Size      |
|----------|--------------------------|-----------|
| 39/28    | Spray cans               | 400 ml    |
| 12/10    | Cans                     | 1 litre   |
| 14/11    | Glass laboratory bottles | 1 litre   |
| 7/5      | Glass laboratory bottles | 2.5 litre |

Weight [in kg] 210

### 1.8.2 HSC UTS ergo line XL – width 1400mm



#### Details

2 pull-out trays, 1 perforated sheet insert, and 35 mm base

#### Design

Interior fittings polypropylene / sheet steel

#### Ref. no.

39-061467-005

#### Dimensions [in mm]

|        | Outer | Inner |       |
|--------|-------|-------|-------|
|        |       | Left  | Right |
| Width  | 1400  | 418   | 790   |
| Depth  | 595   | 543   | 463   |
| Height | 631   | 501   | 480   |

#### Max. storage capacity/standing space

| Quantity | Type of container        | Size      |
|----------|--------------------------|-----------|
| 39/46    | Spray cans               | 400 ml    |
| 12/16    | Cans                     | 1 litre   |
| 14/18    | Glass laboratory bottles | 1 litre   |
| 7/9      | Glass laboratory bottles | 2.5 litre |

Weight [in kg] 249

## Accessories

Varied and flexible: Our wide variety of accessories can be used to adapt the HSC UTS ergo line® cabinets perfectly to your laboratory space, creating an efficient and safe working environment.



**Exhaust air system**  
Exhaust air systems help prevent explosive areas in working spaces.



**Earthing connection**  
In accordance with TRBS 2153 and BGR 132, conductive canisters can be connected directly to the earthing using equipotential bonding saddles at the rear of the cabinet and an additional earthing cable with crocodile clip inside the cabinet.



**Roller set**  
Under-bench cabinets of the HSC UTS ergo line® series are optionally available with a roller set. This ensures easy installation into existing laboratory equipment.



**PP insert**  
The polypropylene insert collects small amounts of spilled liquid.



**Anti-slip mat**  
Anti-slip mats can prevent the canisters from inadvertent slipping and keep everything in place.



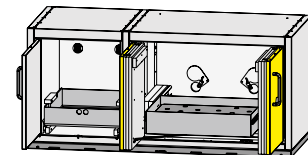
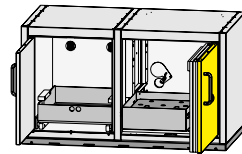
**Pipe penetration**  
HSC line safety storage cabinets can be adapted to your requirements by incorporating penetrations for pipes, hoses or cables.



**Red-Box**  
Safely storing documents exactly where they are needed.



**Absorber cloths**  
Absorber cloths are specially designed for use with chemicals and are thus ideal for picking up spilled hazardous substances.



|                                       | HSC UTS ergo LD   | HSC UTS ergo XL |
|---------------------------------------|---|-----------------|
| <b>Locking systems:</b>               |   |                 |
| Cylinder lock                         | included  | included        |
| Lock with profile half-cylinder       | on request  | on request      |
| <b>Additional interior fittings:</b>  |   |                 |
| <b>Material:</b>                      |   |                 |
| Insert for pull-out tray              | PP  | 29-10661-314    |
| Anti-slip mat                         | Rubber  | 29-10961-314    |
| Earthing cable with crocodile clip    |   | 29-10961-514    |
| Roller set                            | 1.806.63  | 1.806.63        |
| Pipe penetration (reclosable)         | 29-11400-011  | 29-11400-011    |
| Pipe penetration                      | 29-70000-045  | 29-70000-045    |
|                                       | 29-70000-048  | 29-70000-048    |
| <b>Fitting options:</b>               |   |                 |
| Classic base 85 mm (instead of 35 mm) | 29-11160-084  | 29-11460-084    |
| ToeKick base 85 mm                    | 29-11160-085  | 29-11460-085    |
| <b>Industrial ventilation:</b>        |   |                 |
| Exhaust air system or ventilator      |   |                 |
| Safety containers                     |   |                 |
| Absorbers                             |   |                 |
|                                       | see page 32 or <a href="http://www.dueperthal.com">www.dueperthal.com</a> |                 |



# Hazardous substances centre

The HSC hazardous substances centre by DÜPERTHAL offers a lot of room for optimal storage of acids, lye and flammable liquids at a fire resistance of 90 minutes. It consists of an acids and lye cabinet, a CLASSIC S Type 90 safety storage cabinet and a storage chamber.



HSC Hazardous substances centre

## Interior fittings:

- » Type 90 safety storage cabinet with 1 shelf, 1 bottom tray and 1 perforated sheet insert, made of powder-coated sheet steel.
- » Acids and lye cabinet with 6 pull-out trays made of polypropylene.

## Construction:

- » Wing doors of the Type 90 safety storage cabinet made of powder-coated sheet steel.
- » Outer carcass of the acids and lye cabinet and the storage chamber made of high-quality decor panels.
- » Outer carcass of the Type 90 safety storage cabinet made of powder-coated sheet steel.
- » Inner carcass of the acids and lye cabinet and the storage chamber made of high-quality decor panels.

## Colour:

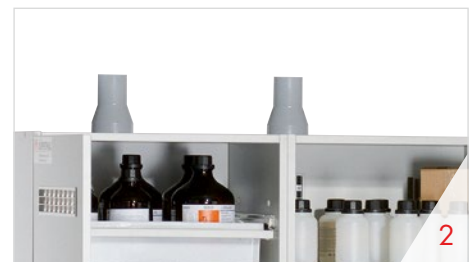
- » Wing doors of the acids and lye cabinet in light grey RAL 7035, and of the safety storage cabinet in zinc yellow RAL 1018.
- » Carcass in light grey RAL 7035.

## Safety and functionality

The hazardous substances centre of the HSC line offers a lot of space for safely storing all types of hazardous substances. At the same time, it can be fitted with a variety of functional accessories, which guarantee maximum safety and convenience in the workplace.

### Focus on functionality

- 1** The air grids provide for constant air exchange.
- 2** The cabinet has two separate ventilation connection sockets (NW 75), meaning that the vapours arising from acids and lye and from solvents are extracted via separate ventilation ducts.
- 3** As a standard, the Type 90 safety storage cabinet is fitted with a door arrest system with thermal monitoring, ensuring that the door is closed automatically in case of fire.
- 4** Substances in the storage chamber are always clearly visible through the built-in window.



## Further features



- 1 Ergonomic and easy opening of all doors with convenient bow-type door handle. All doors can be locked separately.
- 2 Cushioned door stoppers guarantee that the doors of the acids and lye cabinet and the storage chamber close gently and quietly.
- 3 Warning symbol labels included in delivery.
- 4 The feet of the safety storage cabinet can be adjusted from the inside and the outside.



Tested safety at a very high level including:

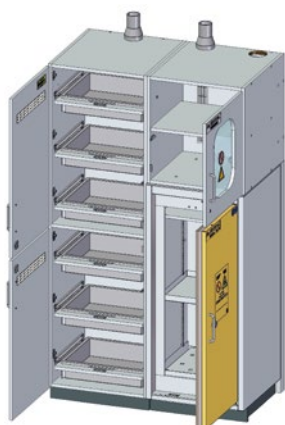
## Ordering information



DIN EN 14470-1  
DIN EN 14727



### 1.8.3 HSC Hazardous substances centre – Type 90



#### Details

Acids and lye cabinet: 6 pull-out trays

Storage chamber: 2 storage levels

Safety storage cabinet CLASSIC S:

1 shelf, 1 bottom tray, 1 perforated sheet insert

#### Design

Interior fittings polypropylene / sheet steel

#### Ref. no.

39-201270-067

#### Dimensions [in mm]

|        | Outer |
|--------|-------|
| Width  | 1195  |
| Depth  | 660   |
| Height | 2040  |

#### Note

In Germany, our specialist carrier can assemble the hazardous substances centre at the place of use.

Weight [in kg] 350

#### Accessories

##### Additional interior fittings: Material:

|                          |             |              |
|--------------------------|-------------|--------------|
| Shelf                    | Sheet steel | 29-80660-114 |
| Insert for shelf         | PP          | 29-80660-314 |
| Anti-slip mat            | Rubber      | 29-80660-514 |
| Locker (door hung right) |             | 29-70000-037 |
| Red-Box                  |             | 2.233.04     |

##### Industrial ventilation:

Exhaust air system or ventilator

Safety containers

Absorber

see page 32 or  
[www.dueperthal.com](http://www.dueperthal.com)



ACID line safety storage cabinets are optimised specifically for the storage of acids and lye. The wide range of additional features of the cabinets of the ACID line increase workplace safety and convenience.

## Focus on functionality

- 1 The ACID UTS L model features a drawer and an extremely corrosion-resistant PP tray insert.
- 2 Integrated moulded grips prevent slipping when drawing out the pull-out trays.
- 3 All doors of the ACID line cabinets can be locked separately to prevent unauthorised access and increase security.
- 4 Preparation for the connections to an industrial ventilation system and air vents in the doors.

## Further features

- 5** Cushioned door stoppers guarantee that the doors of the acids and lye cabinet and the storage chamber close gently and quietly.
- 6** A ToeKick base prevents stubbing toes on and around the safety storage cabinet during work.
- 7** Warning labels included in delivery.





# ACID line

The ACID line is the most reasonable solution for all working areas in which acids and lye, but no flammable liquids have to be stored. The especially media-resistant safety storage cabinets fulfill all requirements for the storage of aggressive and corrosive substances.



ACID M1

## **Interior fittings:**

- » Model-dependent 4 – 6 pull-out trays made of polypropylene.

## **Construction:**

- » Scratch, impact and wear resistant inner and outer carcass constructed from 19-mm melamine-resin-coated decor panels

## **Colour:**

- » Carcass completely in light grey RAL 7035.

## Ordering information

Tested safety at a very high level including:



**DIN EN 14727**

### 1.8.4 ACID M1 – M4



#### Details

4 or 6 pull-out trays

#### Design

#### Ref. no.

|         | 6 pull-out trays |                | 4 pull-out trays |                |
|---------|------------------|----------------|------------------|----------------|
|         | ACID M1          | ACID M2        | ACID M3          | ACID M4        |
| 2 Doors | 20-200677-061L   | –              | 20-200677-065L   | –              |
| 1 Door  | –                | 20-200677-062L | –                | 20-200677-066L |

#### Dimensions [in mm]

|                   | Outer |
|-------------------|-------|
| Width             | 600   |
| Depth             | 660   |
| Height incl. base | 2040  |

#### Note

Standard door hanging is at the left, right-hung doors can be supplied on request.

**Load bearing capacity, pull-out tray [in kg]** 40

#### Weight [in kg]

|              |     |
|--------------|-----|
| ACID M1 – M2 | 120 |
| ACID M3 – M4 | 105 |

#### Accessories

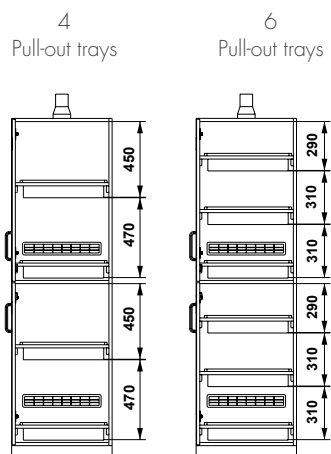
#### Additional interior fittings: Material:

Pull-out trays PE

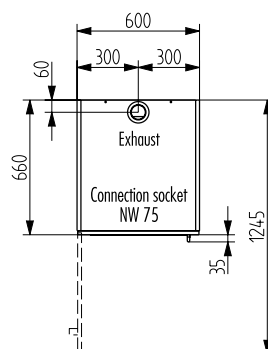
#### ACID M3 – M4

2.66.600

#### Adjustment heights ACID line [in mm]



#### Top view ACID line [in mm]





# ACID line UTS

The ACID UTS ergo® line is the most effective solution for the storage of acids and lye that present no fire hazard in a limited space. Designed to provide optimum resistance to corrosion damage, these safety storage cabinets are particularly suitable for smaller laboratories on account of their compact size.



ACID UTS L



ACID UTS LT



ACID UTS ST

## Interior fittings:

- » Model-dependent 1 – 4 pull-out trays made of polypropylene.

## Construction:

- » Scratch, impact and wear resistant inner and outer carcass constructed from 19-mm melamine-resin-coated decor panels.

## Colour:

- » Carcass completely in light grey RAL 7035.

## Ordering information

Tested safety at a very high level including:



**DIN EN 14727**

### 1.8.6 ACID UTS ST – LT



#### Details

2 or 4 pull-out trays

#### Design

#### Ref. no.

|         |                  |                  |
|---------|------------------|------------------|
|         | 2 pull-out trays | 4 pull-out trays |
|         | ACID UTS ST      | ACID UTS LT      |
| 2 Doors | –                | 20-061177-061    |
| 1 Door  | 20-060677-061    | –                |

#### Dimensions [in mm]

|        | UTS LT | UTS ST |
|--------|--------|--------|
| Width  | 1100   | 1100   |
| Depth  | 660    | 660    |
| Height | 635    | 635    |

#### Note ACID UTS LT

Standard door hanging is at the left, right-hung doors can be supplied on request.

**Load bearing capacity, pulled out [in kg]** 40

#### Weight [in kg]

|             |    |
|-------------|----|
| ACID UTS LT | 65 |
| ACID UTS ST | 35 |

### 1.8.7 ACID UTS L



#### Details

1 PP-Sehlf insert, 1 drawer

#### Ref. no.

20-061164-001

#### Dimensions [in mm]

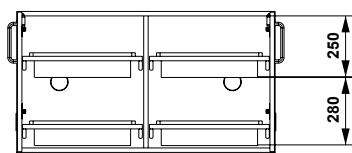
|        | Outer |
|--------|-------|
| Width  | 1100  |
| Depth  | 600   |
| Height | 635   |

#### Weight [in kg]

75

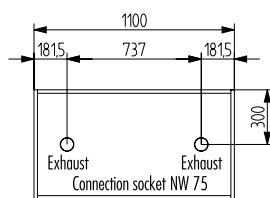
#### Adjustment heights ACID line [in mm]

4 Pull-out trays

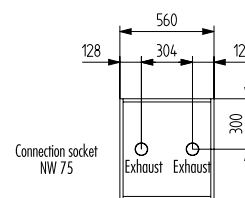


#### Top view ACID line [in mm]

ACID UTS L – LT



ACID UTS ST



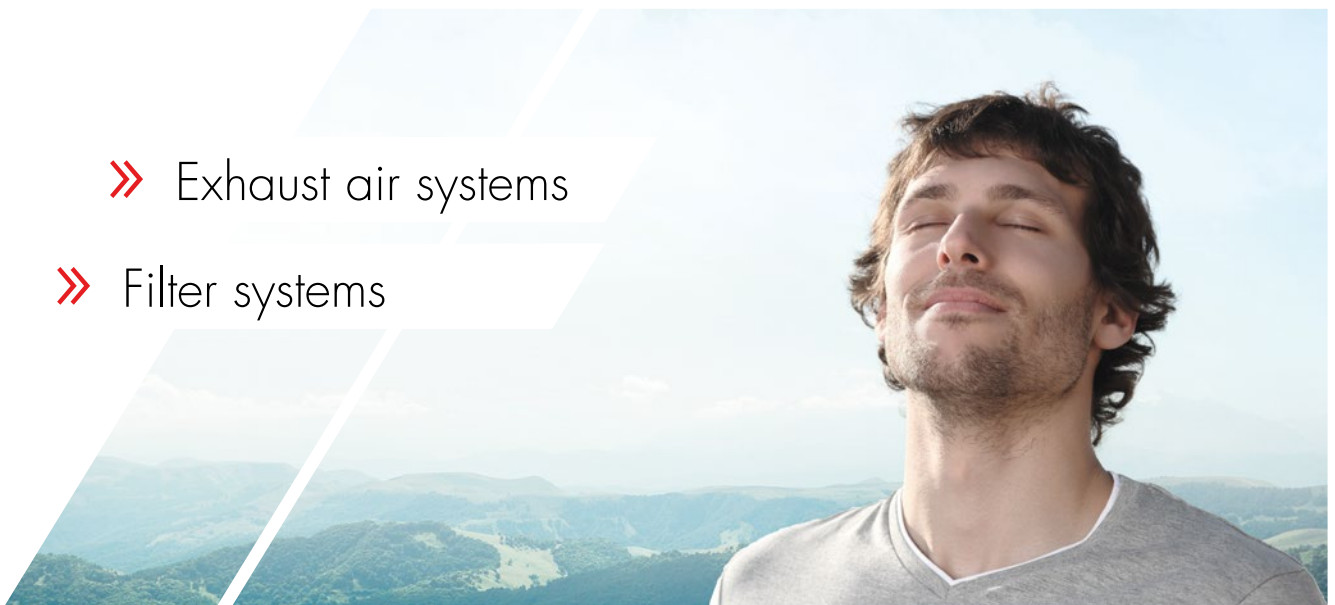
# Exhaust air systems and ventilators



To guarantee maximum safety for your employees, connection to exhaust air systems is essential in the case of many chemicals. DÜPERTHAL offers a variety of solutions to stop harmful vapours escaping into the working area. All ventilators and components comply with Directive 94/9/EC (ATEX) and thus meet the highest safety standards.

» Exhaust air systems

» Filter systems



## Exhaust air systems



The exhaust air monitor with ventilator is designed for straightforward ventilation and monitoring of safety storage cabinets. A sensor controls the flow of air and emits optical and acoustic alarms if the required value is not reached. The complete exhaust air monitoring unit is pre-assembled on delivery for mounting directly on the cabinet.

## Filter systems



Our filter systems are suitable for ventilating and monitoring safety storage cabinets stocked with solvents. They filter almost 100% of any harmful hydrocarbons by means of molecular adsorption, thereby providing users with optimal protection. Additional connection to an exhaust air system is not necessary.



Visit our website for more information on exhaust air systems and other accessories: [www.dueperthal.com](http://www.dueperthal.com)

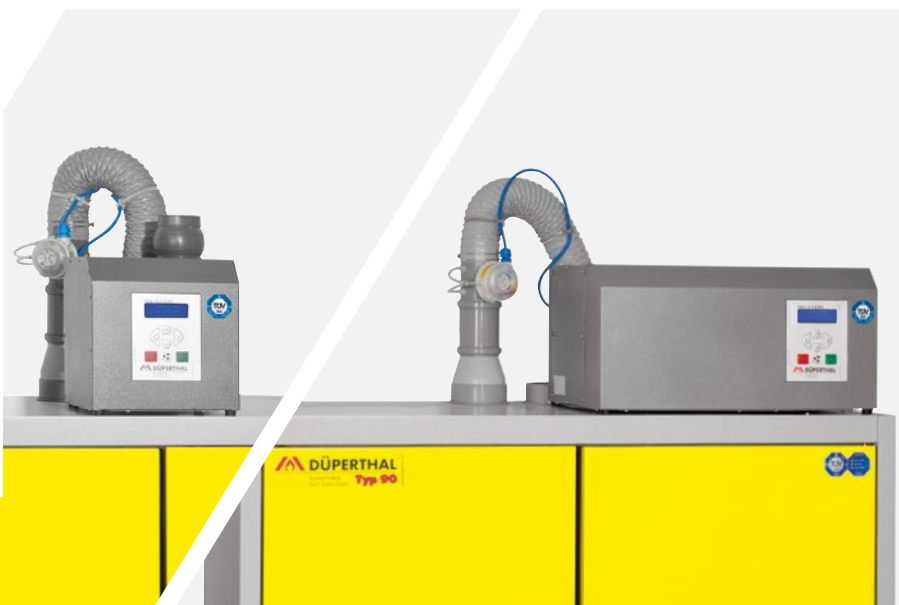
More detailed information on the requirements, construction and technical specifications of the ventilation systems we supply for your safety storage cabinets can be found here.



**ATEX-compliant**  
**Directive 94/9/EC**

⊕ Ex II (3) G c IIB T4

⊕ Ex II (3) G [n4]



Exhaust air monitor with ventilator

Filter unit with ventilator



**The many advantages of the DÜPERTHAL  
exhaust air systems and filter systems**

- » ATEX conformity as per Directive 94/9/EC and type certificate from TÜV Süd.
- » Modern “blue mode” LED display with choice of languages: English, French or German.
- » Pre-assembled on delivery for easy installation.
- » Particularly quiet thanks to high-quality finishing.

# Ordering information exhaust air systems

Tested safety at a very high level including:

**ATEX**  **DIN EN CE**

## 4.1.1 Exhaust air monitor with ventilator



### Details

For easy ventilation and monitoring of safety storage cabinets. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the required value. The complete exhaust air monitoring unit including the integrated ventilator is supplied pre-assembled and is placed directly onto the cabinet. The required value for the air stream flow rate is factory-preset and can be adjusted individually using the pressure difference socket. The housing is made of powder-coated sheet steel, silver pearl glimmer.

- » The exhaust air rate can be adjusted electronically to suit all cabinet sizes.
- » ATEX conformity in accordance with directive 94/9/EC and type certificate by TÜV Süd.
- » An air flow sensor monitors the actual exhaust air flow rate – the complete ventilation system of the cabinet is monitored.
- » Monitoring of the volumetric flow rate and the power supply.
- » Optical and acoustic warning when the exhaust air flow rate falls below the set value.
- » Including two floating contacts (24V/2A) for signal transmission to an external control centre.
- » In case of a power failure, an internal accumulator buffers the monitoring systems for four hours, display with simple fault indication.
- » Model ready to plug in, thus easy to assemble.
- » Memory of the last 50 error messages including date, time, type of error and change of menu.
- » Modern LED-Display "Blue Mode" with language options German, English or French.
- » The exhaust air monitoring function can be switched off.
- » Ventilator according to DIN EN 14986 – low noise level
- » Constant monitoring in accordance with DIN EN 1946-7.

**Ref. no.** 2.00.320

### Dimensions [in mm]

|        |     |
|--------|-----|
| Width  | 250 |
| Depth  | 318 |
| Height | 352 |

### Technical data

|                       |                   |          |
|-----------------------|-------------------|----------|
| Ø collar              | mm                | 75       |
| Volumetric flow rate* | m <sup>3</sup> /h | 0 – 72   |
| RPM*                  | l/min             | 0 – 2820 |
| Voltage/frequency     | V/Hz              | 230/50   |
| Current consumption   | A                 | 0,1      |
| Noise level           | db                | 34 – 56  |

\*gradual, without resistance

### 4.1.2 Exhaust air monitor without ventilator



#### Details

For easy monitoring of the ventilation of safety storage cabinets. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the required value. The complete exhaust air monitoring unit is supplied pre-assembled and is placed directly onto the cabinet. The required value for the air stream flow rate is factory-preset and can be adjusted individually using the pressure difference socket. The housing is made of powder-coated sheet steel, silver pearl glimmer.

- › ATEX conformity in accordance with directive 94/9/EC and type certificate by TÜV Süd.
- › An air flow sensor monitors the actual exhaust air flow rate – the complete ventilation system of the cabinet is monitored.
- › Monitoring of the volumetric flow rate and the power supply.
- › Optical and acoustic warning when the exhaust air flow rate falls below the set value.
- › Including two floating contacts (24V/2A) for signal transmission to an external control centre.
- › In case of a power failure, an internal accumulator buffers the monitoring systems for four hours, display with simple fault indication.
- › Model ready to plug in, thus easy to assemble.
- › Memory of the last 50 error messages including date, time, type of error and change of menu.
- › Modern LED-Display "Blue Mode" with language options German, English or French.
- › The exhaust air monitoring function can be switched off.
- › Constant monitoring in accordance with DIN EN 1946-7.

|                           |                       |                     |             |
|---------------------------|-----------------------|---------------------|-------------|
| <b>Ref. no.</b>           | 2.00.360              |                     |             |
| <b>Dimensions [in mm]</b> | <b>Technical data</b> |                     |             |
| Width                     | 210                   | Ø collar            | mm 75       |
| Depth                     | 210                   | Voltage/frequency   | V/Hz 230/50 |
| Height                    | 215                   | Current consumption | A 0,1       |

### 4.1.3 Ventilation unit with ventilator



#### Details

For easy ventilation of safety storage cabinets. The ventilation unit including the integrated ventilator is supplied pre-assembled and is placed directly onto the cabinet. The housing is made of powder-coated sheet steel, silver pearl glimmer.

- › ATEX conformity in accordance with directive 94/9/EC and type certificate by TÜV Süd.
- › Model ready to plug in, thus easy to assemble.
- › Ventilator according to DIN EN 14986 – low noise level.

|                           |                       |                        |                      |        |
|---------------------------|-----------------------|------------------------|----------------------|--------|
| <b>Ref. no.</b>           | 2.00.339              |                        | 2.00.340             |        |
| <b>Dimensions [in mm]</b> | <b>Technical data</b> |                        |                      |        |
| Width                     | 250                   | Ø collar               | mm 75                | 75     |
| Depth                     | 318                   | Volumetric flow rate** | m <sup>3</sup> /h 72 | 60     |
| Height                    | 352                   | RPML**                 | 1/min 2600           | 1200   |
|                           |                       | Voltage/frequency      | V/Hz 230/50          | 230/50 |
|                           |                       | Current consumption    | A 0,1                | 0,1    |
|                           |                       | Noise level            | db 56                | 37     |

\*\*without resistance

# Ordering information filter systems

## 4.2.1 Filter unit with ventilator



### Details

For ventilation and monitoring of safety cabinets through nearly 100% filtering of harmful vapours of solvents (hydrocarbons) by molecular adsorption. The filtering provides optimal protection of the users. An additional exhaust connection is not required, therefore the filter unit can be positioned directly on top or beside the cabinet and can be started to run. The cleaned air is released to the room, without consuming heated or conditioned air. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the programmed value. The housing is made of powder-coated sheet steel, silver pearl glimmer.

- › The exhaust air rate can be adjusted electronically to suit all cabinet sizes.
- › ATEX conformity in accordance with directive 94/9/EC and type certificate by TÜV Süd.
- › Fulfil the requirements of modern laboratories "green labs" with highest flexibility of installation.
- › **Multistage, earthed filter system with safety of factor 2 – consists of:**
  - 2 x activated carbon filters for extremely high efficiency of the filtration – almost 100%.
  - additional particle filter in accordance with DIN EN 779.
- › **Multistage filter warning system:**
  - Pressure difference monitoring adjustable.
  - Filter elements and cover of filter monitored by microswitches.
  - Time function, up to the next maintenance – in acc. with DIN 12927 and EN 13463.
  - filter change is necessary annually.
  - 3-months-check of the activated carbon filters by the user – monitored through input protocol and time function.
- › List of filterable substances.
- › Warning system with fault indication in case of ventilator failure.
- › Electronic logging of the error messages.
- › Two floating contacts (24V/2A) for signal transmission.
- › Modern LED-Display "Blue Mode" with language options German, English or French.
- › Model ready to plug in, thus easy to assemble.
- › Fulfils the requirements of TRGS 510, DGUV regulation 1 and TRBS 2153.
- › Ventilator according to DIN EN 14986.

| Accessories                                       |           |
|---|-----------|
| Activated carbon filter                           | 2.00.391* |
| Particle filter                                   | 2.00.392* |
| Filter set (activated carbon and particle filter) | 2.00.393* |

| Ref. no.           | 2.00.390* |                       |                          |
|--------------------|-----------|-----------------------|--------------------------|
| Dimensions [in mm] |           | Technical data        |                          |
| Width              | 530       | Ø collar              | mm 75                    |
| Depth              | 440       | Volumetric flow rate* | m <sup>3</sup> /h 0 – 37 |
| Height             | 270       | RPM*                  | 1/min 0 – 2820           |
|                    |           | Voltage/frequency     | V/Hz 230/50              |
|                    |           | Current consumption   | A 0,1                    |
|                    |           | Noise level           | db 38 – 56               |

\*gradual, without resistance

Tested safety at a very high level including:

**ATEX DIN EN CE**

## 4.2.2 Filter unit with ventilator

### Details



For ventilation and monitoring of safety cabinets through nearly 100% filtering of harmful vapours of solvents (hydrocarbons) by molecular adsorption. The filtering provides optimal protection of the users. An additional exhaust connection is not required, therefore the filter unit can be positioned directly on top or beside the cabinet and can be started to run. The cleaned air is released to the room, without consuming heated or conditioned air. A sensor monitors the air stream and gives a visual and audible signal if the value drops below the programmed value. The housing is made of powder-coated sheet steel, silver pearl glimmer.

- › Super silent ventilator for especially low noise emission.
- › ATEX conformity in accordance with directive 94/9/EC.
- › Fulfil the requirements of modern laboratories "green labs" with highest flexibility of installation.
- › **Multistage, earthed filter system with safety of factor 2 – consists of:**
  - 2 x activated carbon filters for extremely high efficiency of the filtration – almost 100%.
  - additional particle filter in accordance with DIN EN 779.
- › **Multistage filter warning system:**
  - Filter elements and cover of filter monitored by microswitches.
  - Time function, up to the next maintenance – in acc. with DIN 12927 and EN 13463.
  - filter change is necessary annually.
  - 3-months-check of the activated carbon filters by the user – monitored through input protocol and time function.
- › List of filterable substances.
- › Warning system with fault indication in case of ventilator failure.
- › Floating contact (24V/2A) for signal transmission.
- › LED display for function control.
- › Model ready to plug in, thus easy to assemble.
- › Fulfils the requirements of TRGS 510, DGUV regulation 1 and TRBS 2153.
- › Ventilator according to DIN EN 14986.
- › Constant monitoring in accordance with DIN EN 1946-7.

### Accessories

|   |           |
|---|-----------|
| Activated carbon filter                           | 2.00.391* |
| Particle filter                                   | 2.00.392* |
| Filter set (activated carbon and particle filter) | 2.00.393* |

### Ref. no.

2.00.397\*

### Dimensions [in mm]

|        |     |
|--------|-----|
| Width  | 550 |
| Depth  | 445 |
| Height | 275 |

### Technical data

|                       |                   |        |
|-----------------------|-------------------|--------|
| Ø collar              | mm                | 75     |
| Volumetric flow rate* | m <sup>3</sup> /h | 24     |
| Voltage/frequency     | V/Hz              | 230/50 |
| Power                 | W                 | 26     |
| Noise level           | db                | 43     |

# Safety containers for hazardous liquids

Safety containers not only facilitate handling, but also enhance occupational safety when it comes to managing hazardous substances. DÜPERTHAL safety containers comply with various requirements, such as the test standards for occupational safety, the German Equipment and Product Safety Act (GPSG) and the Technical Rules for Hazardous Substances (TRGS). The wide range of containers cover a multitude of uses, ensuring that hazardous liquids can be handled with confidence. They are made of different materials, such as sheet steel, stainless steel or plastic, and offer maximum media resistance. As a guarantee of safety in the public transportation of hazardous substances, the transport vessels have also been tested in accordance with ADR/RID and IMDG, and in some cases ICAO-TI.



## A variety of containers for hazardous liquids

Whether the container is intended for distribution, collection or dispensing, DÜPERTHAL safety containers simplify the process of handling hazardous liquids and thus make an important contribution to occupational safety. Whether you work with acids, lye or flammable materials, these containers leave you completely in control.

Visit our website for more information on safety containers and other accessories: [www.dueperthal.com](http://www.dueperthal.com)

More detailed information on the requirements, construction and technical specifications of our entire range of safety containers can be found here.



### Optimised for safe handling

- » Thoroughly resistant to media.
- » Container labelling as per the German Hazardous Substances Ordinance (GefStoffV) and Workplace Directive A1.3 (ASR).
- » All products have been manufactured to the latest technological standards, technical safety requirements and relevant specifications.

## Adjustable canister height:

Max. 340 mm (interior fittings of Type 90 safety storage cabinet: pull-out tray with perforated sheet insert)

Max. 463 mm (interior fittings acids and lye cabinet: pull-out tray)

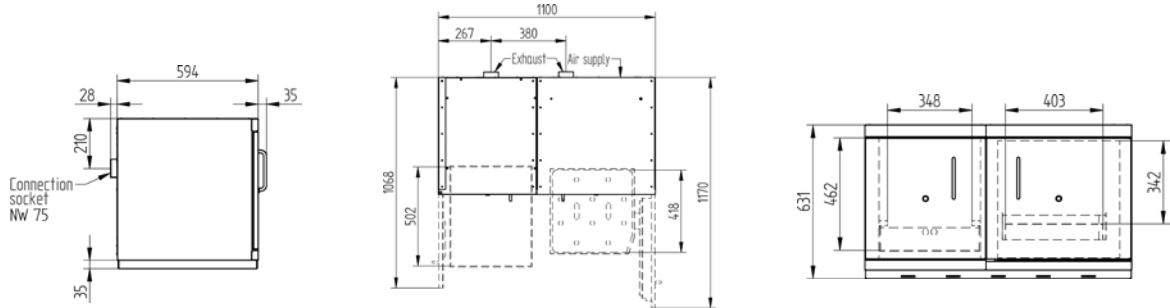
| Technical details  |                         |                   | Model size |      |
|--|-------------------------|-------------------|------------|------|
|  |                         |                   | LD         | XL   |
| Load bearing capacity with uniformly distributed load (max. load/pull-out tray)                | in kg                   | left side         | 20         | 20   |
|  |                         | right side        | 45         | 45   |
| Maximum volume of the largest single container which may be stored on any shelf in the cabinet | in l                    | left side         | 10         | 10   |
|  |                         | right side        | 10         | 16   |
| Collection volume pull-out tray  | in l                    | left side         | 12         | 12   |
|  |                         | right side        | 11,3       | 18,1 |
| Base height  | in mm                   | with classic base | 35         | 35   |
|  |                         | with ToeKick base | 85         | 85   |
| Volumetric flow rate for 10-fold air exchange  | in ca m <sup>3</sup> /h | left side         | 1,2        | 1,2  |
|  |                         | right side        | 1,1        | 1,7  |
| Pressure drop in the cabinet   | in Pa                   |                   | <1         | <1   |

| Dimensions – interior fittings [in mm] | Model sizes             |       |        |                        |       |        |                         |       |        |                        |       |        |
|--|-------------------------|-------|--------|------------------------|-------|--------|-------------------------|-------|--------|------------------------|-------|--------|
|  | HSC UTS ergo LD         |       |        |                        |       |        | HSC UTS ergo XL         |       |        |                        |       |        |
|  | left side:<br>acids/lye |       |        | right side:<br>Type 90 |       |        | left side:<br>acids/lye |       |        | right side:<br>Type 90 |       |        |
|  | Width                   | Depth | Height | Width                  | Depth | Height | Width                   | Depth | Height | Width                  | Depth | Height |
| Pull-out tray                          | 400                     | 512   | 103    | 427                    | 432   | 101    | 400                     | 512   | 103    | 677                    | 432   | 101    |
| Perforated sheet insert                | –                       | –     | –      | 413                    | 414   | 64     | –                       | –     | –      | 659                    | 414   | 64     |



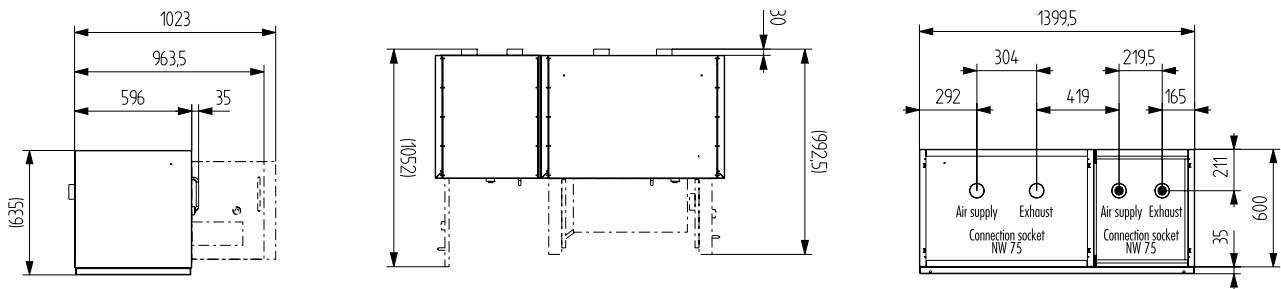
Side view      Top view      Front view

**HSC UTS ergo LD**



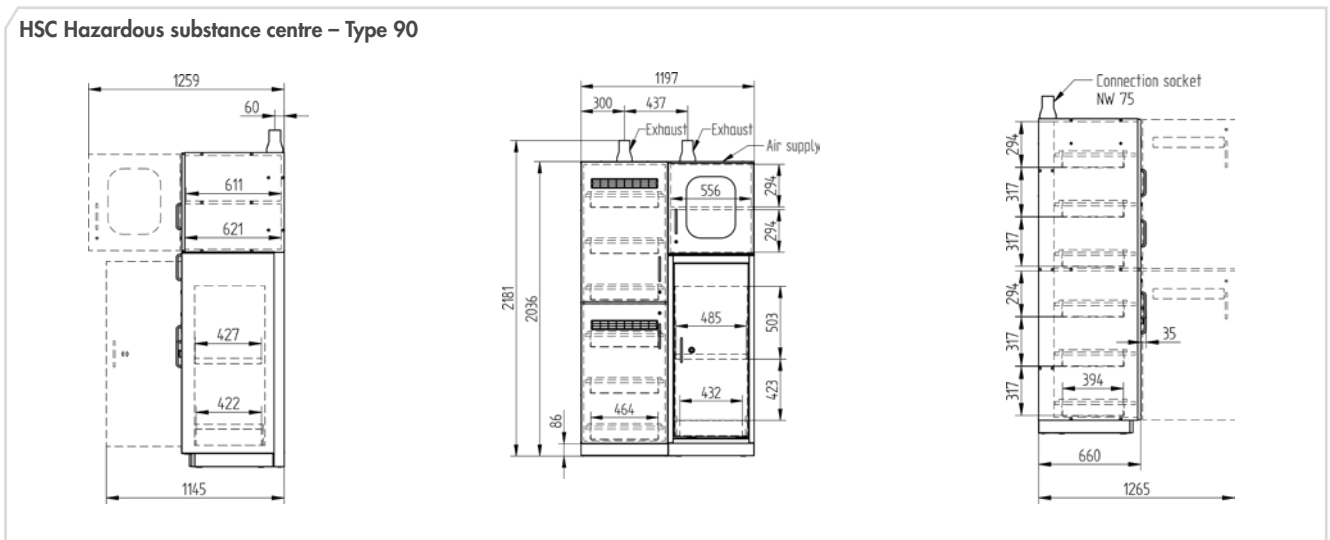
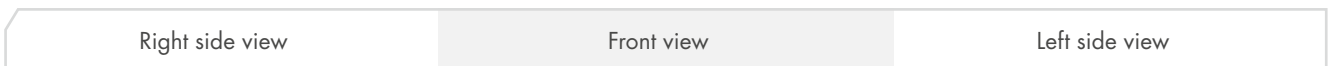
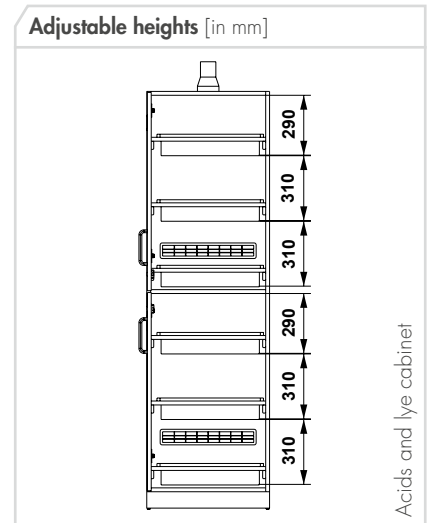
Side view      Top view      Rear view

**HSC UTS ergo XL**



# Technical data HSC Hazardous substances centre – Type 90

| Dimensions – interior fittings/usable standing spaces |         |       |       |        |
|---|---------|-------|-------|--------|
|   |         | Width | Depth | Height |
| Pull-out tray/acids and lye                           | in mm   | 470   | 400   | 100    |
| Storage chamber (per level)                           | in mm   | 560   | 510   | 275    |
| Shelf/safety storage cabinet                          | in mm   | 490   | 370   | 30     |
| Load bearing capacity/pull-out tray                   | max. kg | 40    |       |        |
| Load bearing capacity/shelf                           | max. kg | 75    |       |        |



## Intelligent technology – Great service

There is more to safety than simply buying a safety storage cabinet. This is why we offer you our certified knowledge, comprehensive service and expertise – supporting you before, during and especially after your decision to buy a DÜPERTHAL safety storage cabinet. For a reassuring feeling of having done everything within your power.

**Individual advice.**  
**Intelligent solutions.**  
**Safety requires experts.**

### **Your contact person – for Germany**

Phone: +49 6188 9139-0  
E-mail: [vkid@dueperthal.com](mailto:vkid@dueperthal.com)

### **Your contact person – for all other countries**

Phone: +49 6188 9139-150  
E-mail: [export@dueperthal.com](mailto:export@dueperthal.com)

**Preventive inspections.**  
**Sustainable maintenance.**  
**Our service sets new standards.**

### **Your contact person – Technical Service**

Phone: +49 6188 9139-166  
E-mail: [service@dueperthal.com](mailto:service@dueperthal.com)



**Safety means responsibility.**

DÜPERTHAL is one of the leading manufacturers of safety storage cabinets. There are good reasons for choosing DÜPERTHAL safety technology. Find out more about us and our entire product range on [www.dueperthal.com](http://www.dueperthal.com).

**We look forward to your call!**

Mondays to Thursdays from 8.00 am to 5.00 pm  
Fridays from 8.00 am to 4.00 pm

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