



HSC line und ACID line

Safety storage cabinets in modern design



Type 90

Safety storage cabinets
for combined storage



Welcome to DÜPERTHAL, Welcome to the Original!

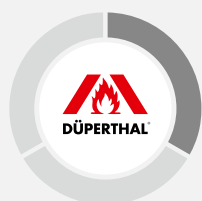
As a leading German quality and technology enterprise, we set the standards when it comes to designing system solutions for process-optimised storage of chemicals and hazardous materials. All of our products and solutions are tailored specifically to meet your requirements. Aside from maximum safety, 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 propose improvements, helping you to always identify the ideal solution.

Our commitment For your safety



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

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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, the 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 and ACID line guarantee 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).
- » For the HSC line, classification Type 90 according to DIN EN 14470-1.
- » GS/CE mark.



Be prepared for an emergency

Great care is required when handling dangerous substances. Our technology with maximum fire resistance helps you to achieve this. The safety storage cabinets of the HSC line guarantee a resistance of 90 minutes in case of fire, type-tested according to DIN EN 14470-1.



Fire resistance of 90 minutes

Fire-proof and explosion-proof safety storage cabinets Type 90 by DÜPERTHAL offer a reliable fire protection of 90 minutes. In case of an emergency, this protection provides enough time to evacuate the building and to extinguish the fire safely and thoroughly.

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 from 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.

For flexible use

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 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

During our entire cooperation, we will offer you the unique DÜPERTHAL service. Starting with the project planning and technical product advice up to the delivery of the product itself, we will always be at your side.



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. 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?

Depending on the surrounding equipment, personal taste or corporate requirements, you have a choice between different colours for your HSC line cabinets. The colour of the base is slate grey (RAL 7015) as a standard. In addition to the colours shown below, individual wishes can also be met. 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 \varnothing 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

ACID UTS L

1 PP tray insert,
1 drawer

Dimensions [in mm]

	Width	Depth	Height
ACID UTS ST	560	660	635
ACID UTS LT	1100	660	635
ACID UTS L	1100	600	635



ACID UTS ST



ACID UTS LT



ACID UTS L

ACID M1 – M4

6 pull-out trays or
4 pull-out trays

ACID M6

3 pull-out trays, 1 side shelf
and 1 bottom tray with perforated sheet
insert

Dimensions [in mm]

	Width	Depth	Height
ACID M	600	660	2040



ACID M1/M2



ACID M3/M4



ACID M6

ACID XS, XL-2

12 pull-out trays or
8 pull-out trays

Dimensions [in mm]

	Width	Depth	Height
ACID XS	1200	660	1440
ACID XL-2	1200	660	2040



ACID XS



ACID XL-2



HSC UTS ergo line[®] – Type 90

For compact storage of acids, lye and flammable liquids, we recommend the HSC UTS ergo line[®]. 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:

- » Pull-out trays of Type 90 safety storage cabinet made of powder-coated sheet steel.
- » Pull-out trays of acids and lye cabinet 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 closing of the safety storage cabinet Type 90 automatically. The clever closure control system ensures blockage-free door closing, even when the trays are pulled out.



Tested safety at a very high level including:

Ordering information



DIN EN 14470-1
DIN EN 14727



1.8.1 HSC UTS ergo LD – width 1100 mm



Details

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

Fittings

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	400ml
12/10	Cans	1 litre
14/11	Glass laboratory	1 litre
7/5	Glass laboratory	2.5 litre

Weight [in kg] 210

1.8.2 HSC UTS ergo XL – width 1400 mm



Details

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

Fittings

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	400ml
12/16	Cans	1 litre
14/18	Glass laboratory	1 litre
7/9	Glass laboratory	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, 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.



Transport trolleys
Optional transport trolleys available with antistatic rollers to safely transport hazardous substances, see page 25.



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



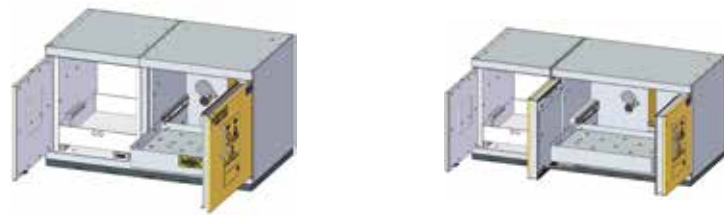
Pipe penetration
HSC line safety storage cabinets can be adapted to your requirements by incorporating penetrations for pipes, hoses or cables.



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
Locking systems:		
Cylinder lock	included	included
Lock with profile half-cylinder	on request	on request
Additional interior fittings:		
Material:		
Insert for pull-out tray	PP	29-10661-314
Anti-slip mat	Rubber	29-10661-514
Earthing cable with crocodile clip	1.806.63	1.806.63
Roller set	29-11400-011	29-11400-011
Pipe penetration (reclosable)	29-70000-045	29-70000-045
Pipe penetration	29-70000-048	29-70000-048
Fitting options:		
Classic base 85 mm (instead of 35 mm)	29-11160-084	29-11460-084
ToeKick base 85 mm	29-11160-085	29-11460-085
Optional extras:		
VisiCon - safety container, 1 l	5.90.001	5.90.001
VisiCon - safety container, 2 l	5.90.002	5.90.002
Exhaust air system or ventilator	from page 38	
Safety containers	see www.dueperthal.com	
Absorbers	see www.dueperthal.com	



HSC - 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 polyethylene.

Construction:

- » Wing doors safety storage cabinet Type 90 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 safety storage cabinet Type 90 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 completely 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 labels included in delivery.
- 4** The feet of the safety storage cabinet can be adjusted from the inside and the outside.
- 5** Optional transport trolleys are available with antistatic rollers to safely transport hazardous substances. The collection tray made of polypropylene is designed for 4 x 20 l canisters and, depending on the model, optimized for corrosive or flammable liquids, respectively. Another standard feature is a perforated sheet insert in the collection tray as well as a box for your safety goggles and a stainless steel support to carry a pack of dispensable gloves.

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

Fittings

Interior fittings polyethylene/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
Red-Box		2.233.04
Transport trolley for flammable liquids		7.02.100
Transport trolley for acids and lye		7.02.200
Optional extras:		
VisiCon - safety container, 1 l		5.90.001
VisiCon - safety container, 2 l		5.90.002
Exhaust air system or ventilator		from page 38
Safety containers		www.dueperthal.com
Absorbers		www.dueperthal.com

For further technical details and dimensions, see page 47.

ACID line - safety and functionality



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 Prepared connection to an industrial ventilation system and air grids in the doors provide for constant air exchange.
- 5 The model ACID M6 is perfect for the safe filling of small containers, e.g. with manual pump 1.96.150.

Further features

- 6** The bottom tray of model ACID M6 can be easily cleaned when dirty.
- 7** Cushioned door stoppers guarantee that the doors close gently and quietly.
- 8** A setback base prevents the operators from hitting their feet when working at and around the safety storage cabinet.
- 9** Warning labels included in delivery.
- 10** Optionally, a transport trolley is available with antistatic rollers to safely transport corrosive substances. The collection tray is designed for up to 4 x 20 l canisters. Another standard feature is a perforated sheet insert in the collection tray as well as a box for your safety goggles and a stainless steel support to carry a pack of dispensable gloves.





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 fulfil all requirements for the storage of aggressive and corrosive substances.



ACID M1



ACID M6



ACID XS



ACID XL-2

Interior fittings:

- » 4 - 12 pull-out trays made of polyethylene, depending on the model

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.

Tested safety at a very high level including:



Ordering information

1.8.4 ACID M1



Weight [in kg] 120

Details

6 pull-out trays

Fittings

2 doors

Ref. no.

20-200677-061L

Dimensions [in mm]

	Outer
Width	600
Depth	660
Height incl. base	2040

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

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

1.8.5 ACID M2



Weight [in kg] 120

Details

6 pull-out trays

Fittings

1 door

Ref. no.

20-200677-062L

Dimensions [in mm]

	Outer
Width	600
Depth	660
Height incl. base	2040

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

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

1.8.6 ACID M3



Weight [in kg] 105

Details

4 pull-out trays

Fittings

2 doors

Ref. no.

20-200677-065L

Dimensions [in mm]

	Outer
Width	600
Depth	660
Height incl. base	2040

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

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

ACID line – acid and lye cabinets

1.8.7 ACID M4



Details

4 pull-out trays

Fittings

1 door

Ref. no.

20-200677-066L

Dimensions [in mm]

	Outer
Width	600
Depth	660
Height incl. base	2040

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

Weight [in kg] 105

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

1.8.8 ACID M6



Details

3 pull-out trays, 1 side shelf and 1 bottom tray with perforated sheet insert

Fittings

1 door

Ref. no.

20-200677-072

Dimensions [in mm]

	Outer
Width	600
Depth	660
Height incl. base	2040

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

Weight [in kg] 120

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

Maximum volume of the largest individual container [in l] 20

1.8.9 ACID XS



Weight [in kg] 150

Details

8 pull-out trays

Fittings

2 doors

Ref. no.

20-131277-001

Dimensions [in mm]

	Outer
Width	1200
Depth	660
Height incl. base	1400

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

1.9.1 ACID XL-2



Weight [in kg] 240

Details

12 pull-out trays

Fittings

2 doors

Ref. no.

20-201277-062

Dimensions [in mm]

	Outer
Width	1200
Depth	660
Height incl. base	2040

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

ACID line – acid and lye cabinets

Accessories

Choose from the great variety of accessories the best suited items for your laboratory. Create your own individual work environment tailored to your requirements and work processes.



	ACID M1	ACID M2	ACID M3
Additional interior fittings:			
Material:			
Additional pull-out tray	–	–	2.66.600
Anti-slip mat	29-10660-514	29-10660-514	29-10660-514
Optional extras:			
Transport trolley for acids and lye	7.02.200	7.02.200	7.02.200
Manual pump for acids and lye	–	–	–
VisiCon - safety container, 1 l	5.90.001	5.90.001	5.90.001
VisiCon - safety container, 2 l	5.90.002	5.90.002	5.90.002
Exhaust air system or ventilator	from page 38		
Absorbers	see www.dueperthal.com		

For further technical details and dimensions, see page 48.



	ACID M4	ACID M6	ACID XS	ACID XL-2
	2.66.600	–	–	–
	29-10660-514	29-10660-514	29-10660-514	29-10660-514
	7.02.200	7.02.200	7.02.200	7.02.200
	–	1.96.150	–	–
	5.90.001	5.90.001	5.90.001	5.90.001
	5.90.002	5.90.002	5.90.002	5.90.002
from page 38				
see www.dueperthal.com				



ACID line UTS

The ACID UTS line is the most effective solution for the storage of acids and lye that present no fire hazards 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:

- » 1 - 4 pull-out trays made of polyethylene or polypropylene, depending on the model

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.

Tested safety at a very high level including:



DIN EN 14727

Ordering information

1.9.2 ACID UTS ST



Weight [in kg] 36

Details

2 pull-out trays

Fittings

1 door

Ref. no.

20-060677-061

Dimensions [in mm]

	Outer
Width	560
Depth	660
Height	635

Note

The doors are generally hung left; on request, the cabinets can also be supplied with doors hung right.

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

1.9.3 ACID UTS LT



Weight [in kg] 65

Details

4 pull-out trays

Fittings

2 doors

Ref. no.

20-061177-061

Dimensions [in mm]

	Outer
Width	1100
Depth	660
Height	635

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

1.9.4 ACID UTS L



Weight [in kg] 75

Details

1 PP tray insert

Fittings

1 drawer

Ref. no.

20-061164-001

Dimensions [in mm]

	Outer
Width	1100
Depth	600
Height	635

Load bearing capacity drawer [in kg] 50

Accessories

Varied and flexible: Using the great variety of accessories, you may adapt the ACID line cabinets even better to your work requirements. For your efficient and safe laboratory.



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



VisiCon - safety containers
with integrated sight glass with measuring scale



Transport trolleys
Optional transport trolleys available with antistatic rollers to safely transport hazardous substances, see page 25.



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

ACID line UTS – acid and lye cabinets



	ACID UTS ST	ACID UTS LT	ACID UTS L
Additional interior fittings:			
Material:			
Anti-slip mat	29-10660-514	29-10660-514	29-11160-514
Optional extras:			
Transport trolley for acids and lye	7.02.200	7.02.200	7.02.200
VisiCon - safety container, 1 l	5.90.001	5.90.001	5.90.001
VisiCon - safety container, 2 l	5.90.002	5.90.002	5.90.002
Exhaust air system or ventilator	from page 38		
Absorbers	see www.dueperthal.com		

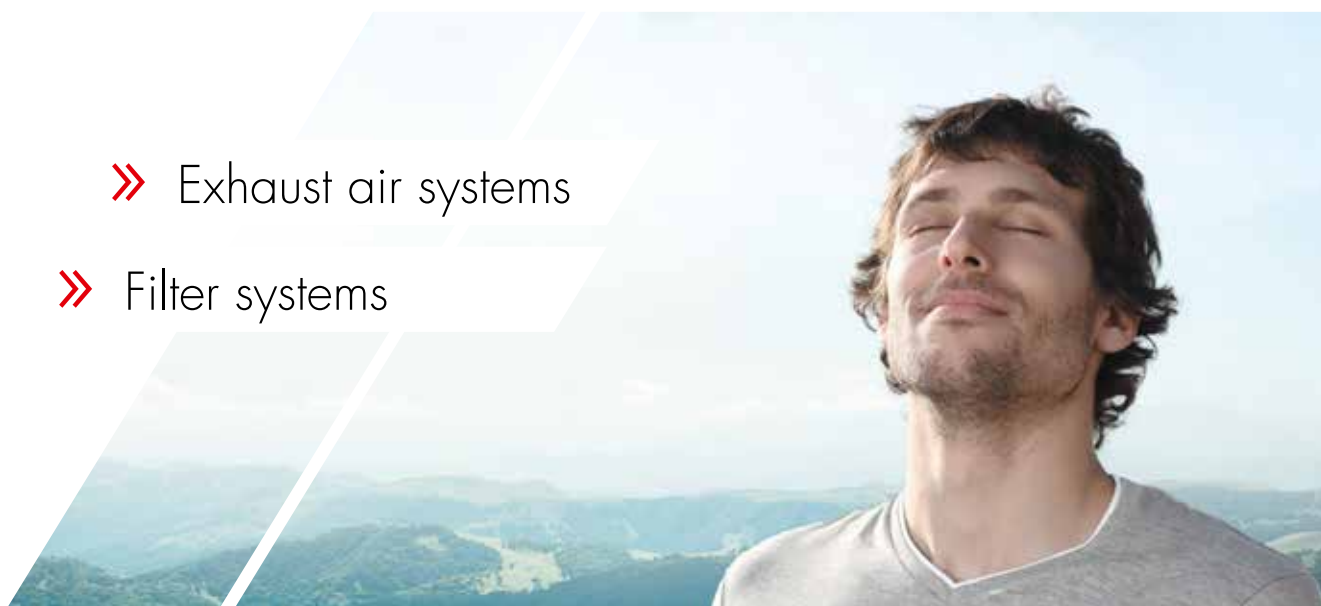
Exhaust air systems and ventilators



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

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

⊕ II (3) G c IIB T4

⊕ 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:



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 ³ /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.

Ref. no. 2.00.360

Dimensions [in mm]

Width	210
Depth	210
Height	215

Technical data

Ø collar	mm	75
Voltage/frequency	V/Hz	230/50
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.

Ref. no. 2.00.339 2.00.340

Dimensions [in mm]

Width	250
Depth	318
Height	352

Technical data

Ø collar	mm	75	75
Volumetric flow rate**	m ³ /h	72	60
RPMI**	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.
- › Fulfills 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]

Width	530
Depth	440
Height	270

Technical data

Ø collar	mm	75
Volumetric flow rate*	m ³ /h	0 – 37
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 ³ /h	24
Voltage/frequency	V/Hz	230/50
Power	W	26
Noise level	db	43

Perfect storage of liquid hazardous substances

Keep track of your media

Thanks to the new VisiCon containers from DÜPERTHAL with integrated sight glass with level monitoring, you always know the exact amount of consumables left for use. The cap locking mechanism and the ergonomic metering tap make the safety containers particularly easy to use. In addition, optional labels provide chemical codes for fast and easy identification of contents and a QR code on the labels may be scanned for rapid access to corresponding data sheets.



Technical data

- » Container capacity 1 litre or 2 litres.
- » Integrated sight glass with scale for precise level monitoring.
- » Lockable cap.
- » Prepared for container labelling compliant with the German hazardous substances ordinance (GefStoffV) and the regulation for safety and health markings and symbols, Workplace Directive A1.3 (ASR).

Accessories

- » Self-closing precision metering tap.
- » Replaceable medium label.
- » Stainless steel safety funnel with earthing cable and crocodile clip.

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	
			HSC UTS ergo line LD	HSC UTS ergo line 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 individual 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 approx. m ³ /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 size											
	HSC UTS ergo LD						HSC UTS ergo XL					
	left side: acids/lye			right side: Type 90			left side: acids/lye			right side: 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

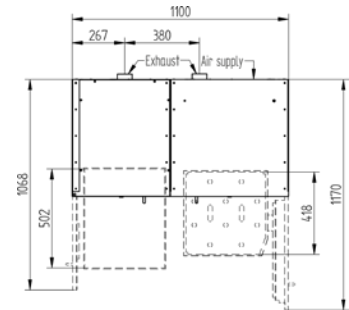
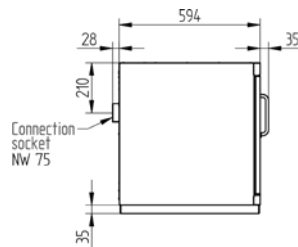
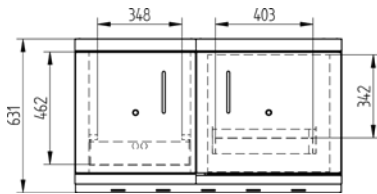
Technical data HSC UTS ergo line[®] – Type 90

Front view

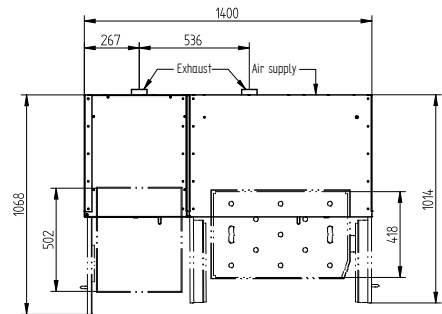
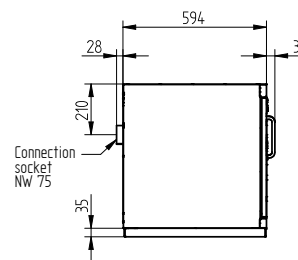
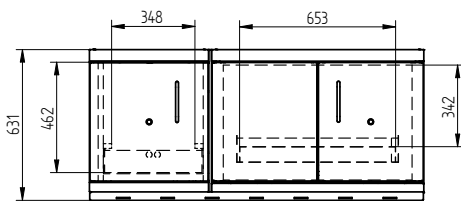
Side view

Top view

HSC UTS ergo LD



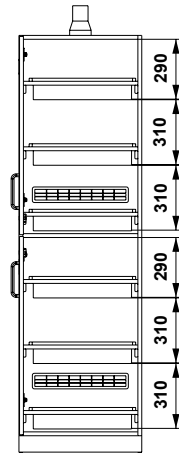
HSC UTS ergo XL



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		

Adjustable heights [in mm]

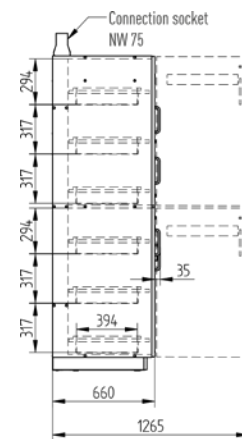
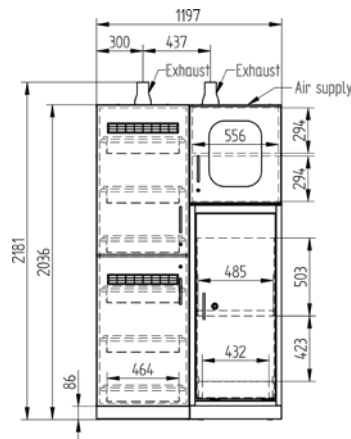
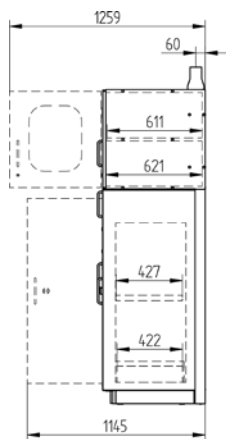


Right side view

Front view

Left side view

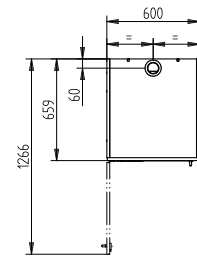
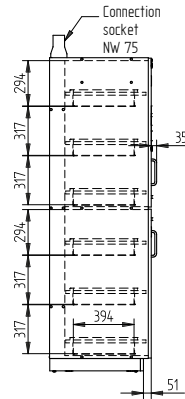
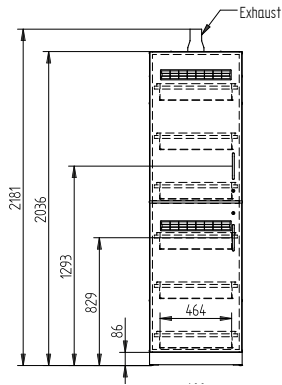
HSC - Hazardous substances centre



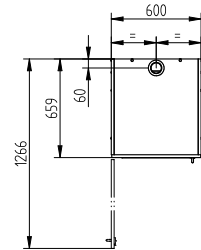
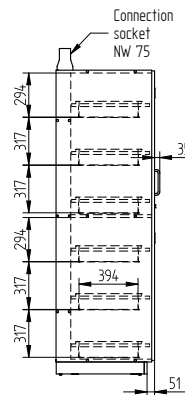
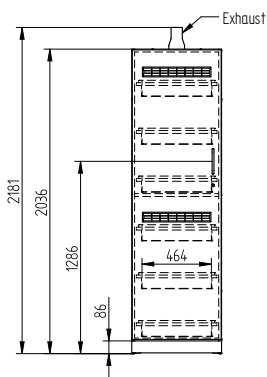
Technical data ACID line®

Front view Side view Top view

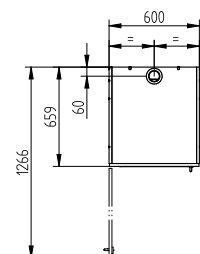
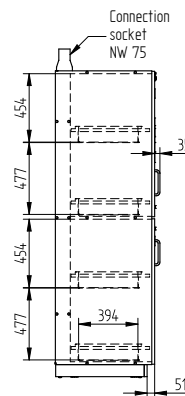
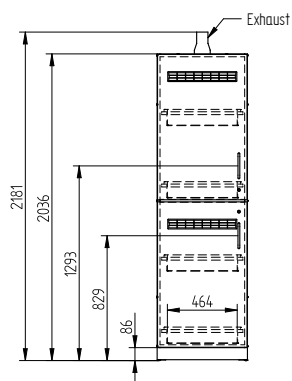
ACID M1



ACID M2

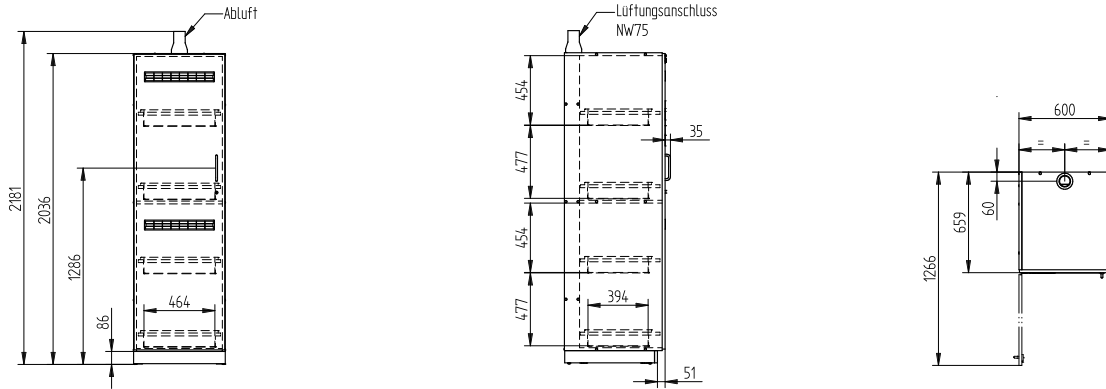


ACID M3

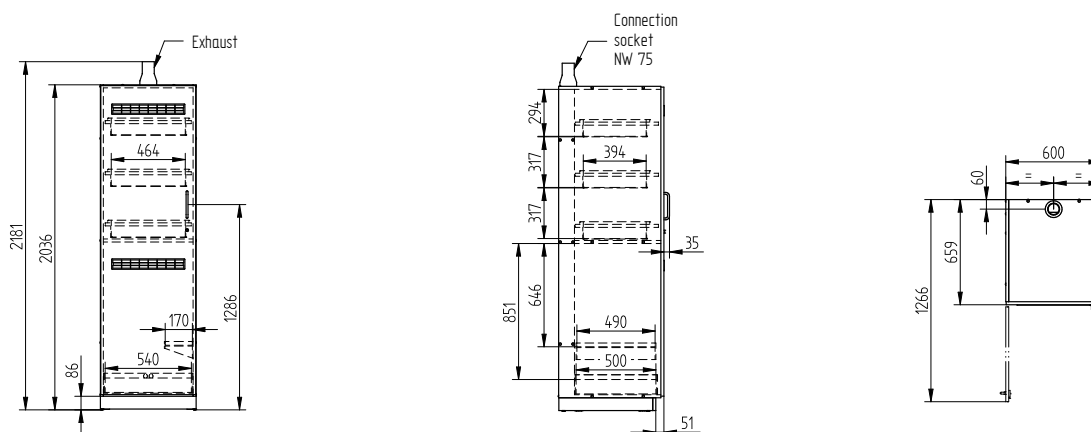


Front view	Side view	Top view
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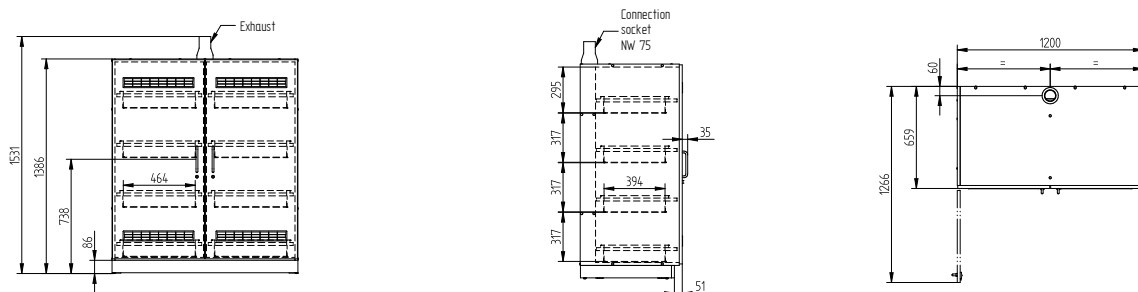
ACID M4



ACID M6

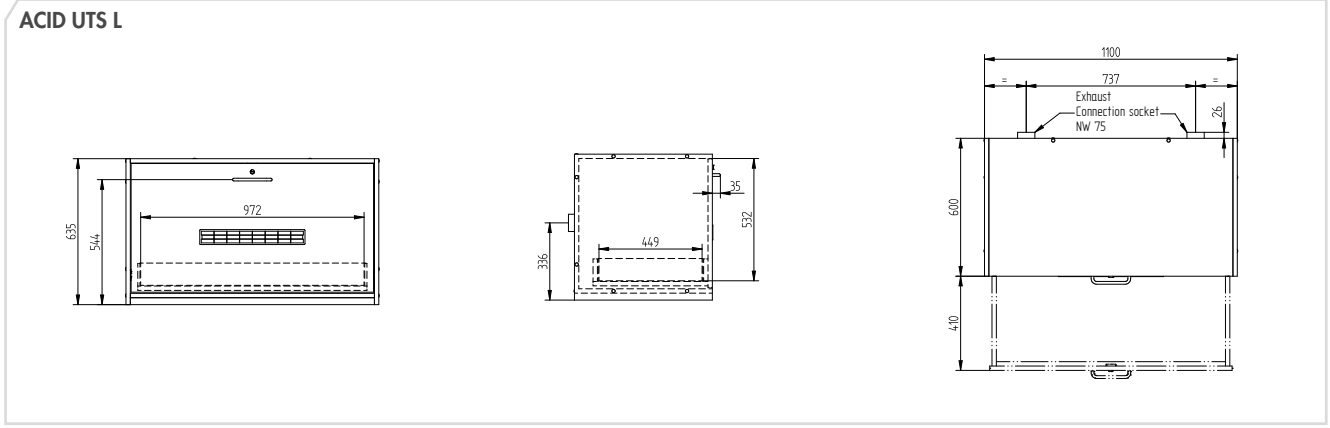
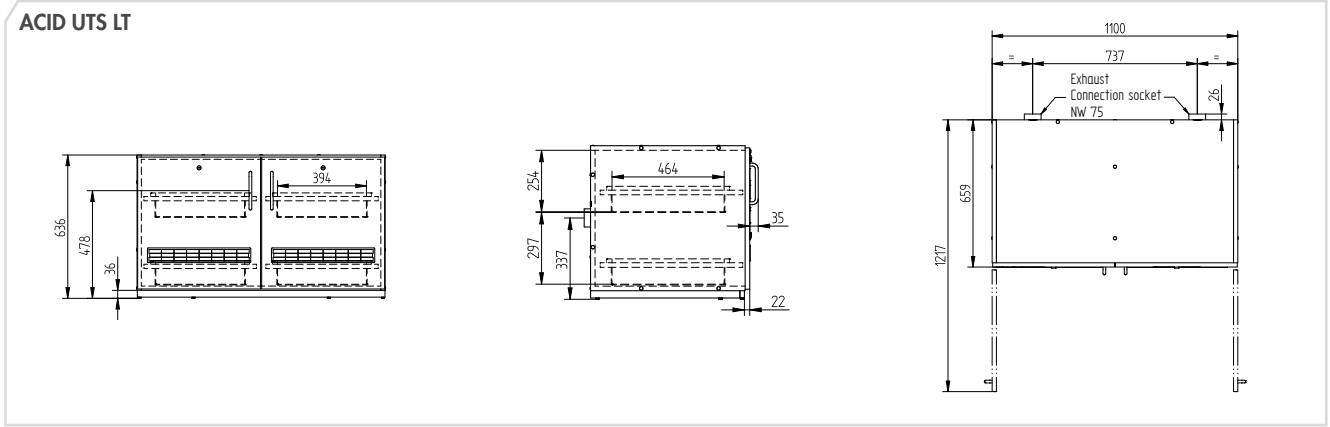
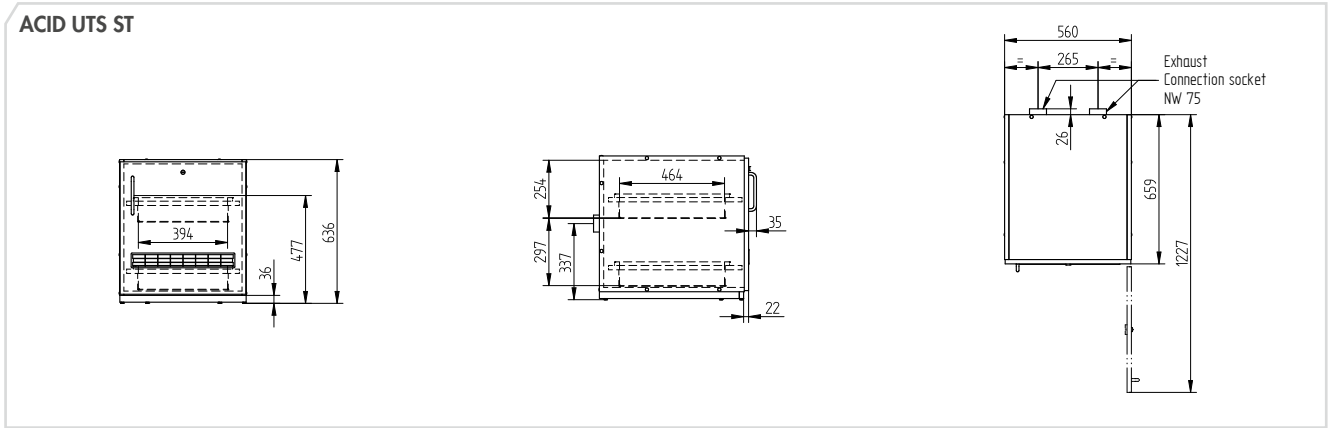
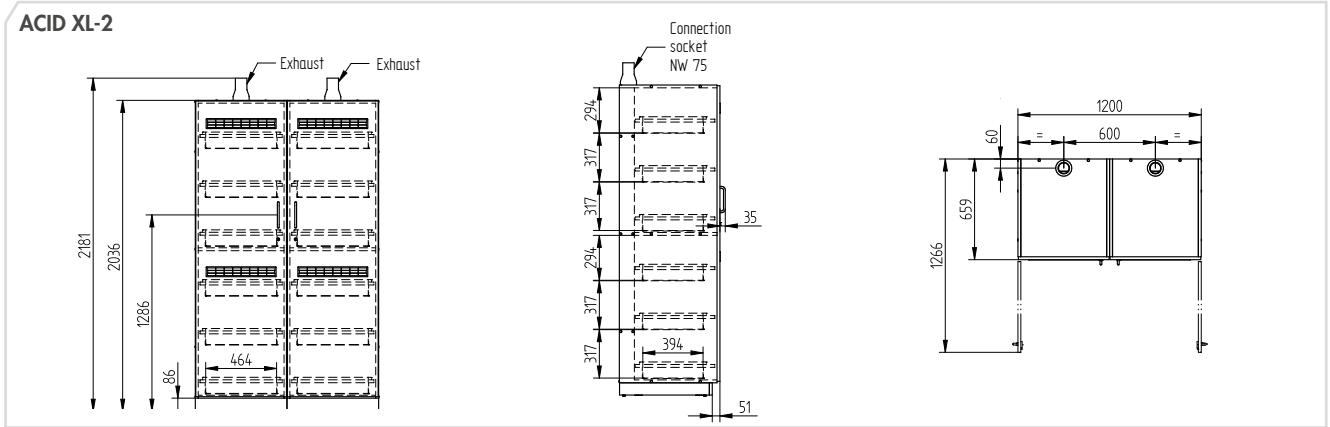


ACID XS



Technical data ACID line®

Front view	Side view	Top view
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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

Your contact person – for all other countries

Phone: +49 6188 9139-150
E-mail: 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



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.

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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