

ORIGINAL
DÜPERTHAL
CATALOGUE
Version 11.0

DUPA® 



Safety Storage Cabinets
Certified System Solutions

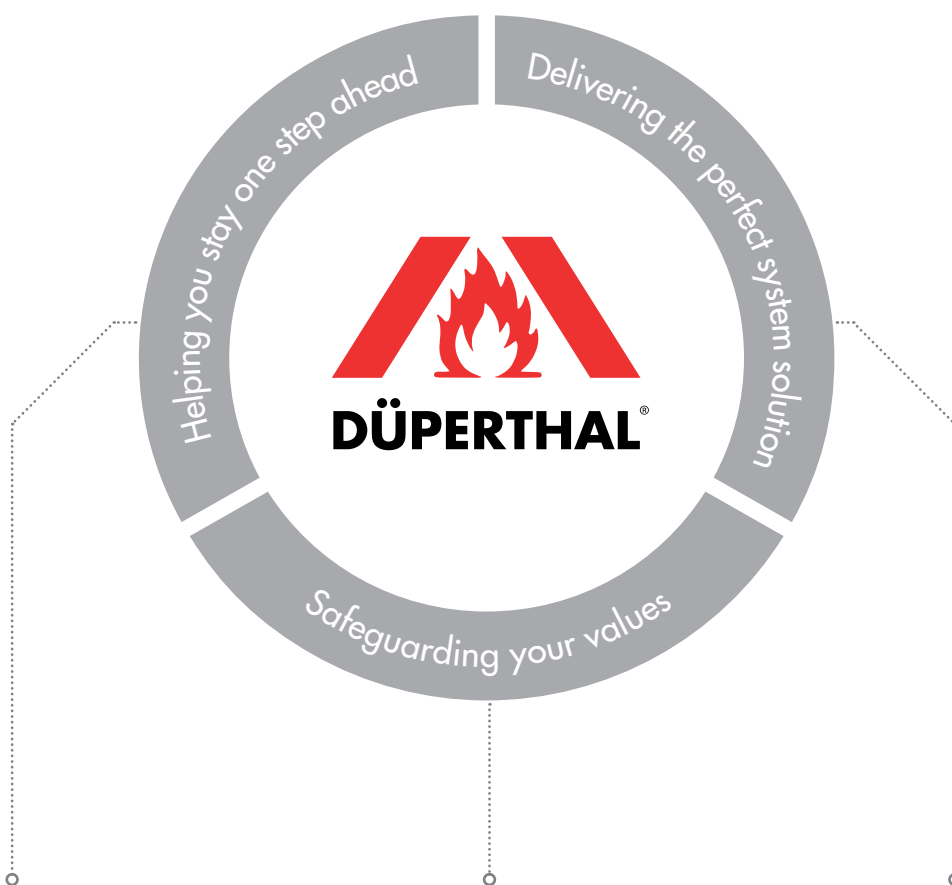
DÜPERTHAL – constant reassurance





Welcome to DÜPERTHAL

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



Always a step ahead

You get a strong and active partner with us. Our aim is to always stay one step ahead. All of our products exceed the prescribed standards. The same applies to our work with you. We provide honest analyses and openly discuss challenges and propose improvements, helping you to always identify the ideal solution.

Safeguarding your values

For more than 40 years, we have been the industry standard as Europe's first manufacturer of safety storage cabinets. We have proven our technical and business management competency with successful projects world wide. And we always want to improve. We are continually enhancing our safety solutions - so that you can protect your values with us in the future.

Delivering the perfect system solution

DÜPERTHAL is the only supplier with whom not only the high-quality, standard products are TÜV certified, but also your individually tailored system solutions. There is no need for on-site acceptance. Whether consultation, components, installation, or maintenance - we want to always offer you the best possible value. In product safety and from a business management perspective.



Constant development for your safety

We don't rest on our good reputation. Because we are aware that your work is constantly becoming more complex. That's why your demands on our safety solutions are increasing. In order to meet these requirements, we are continuously pushing ahead with further developing our products. We invest time, money, passion and above all one thing: commitment.

Did you know that ...

- » the name DÜPERTHAL stands for full service?
- » DÜPERTHAL markets more than just products?
- » the internet-enabled Cabi2Net brings smart technologies into the workplace?
- » the system solutions from DÜPERTHAL are more than just cabinets?
- » you profit economically and technologically from the wide range of solutions

You can find detailed answers to these questions and further useful information on the following pages - compact, practical, and forward-looking!



A ground-breaking innovation

Cabi2Net

Simple, safe, effective – the Cabi2Net from DÜPERTHAL is revolutionising the central control of work processes. With every internet-enabled end device, Cabi2Net offers you a virtual look into your safety storage cabinet and information, example about fill: fill levels, ventilation functionality, and provides warning notices.

Cabi2Net can be easily scaled, expandable as necessary through additional modules and can even be integrated into general building automation.



HARDWARE

- Internet capable system
- Processes sensor signals (fill level, pressure flow rate, and more)
- Controls signal lights, warnings, valves and more



SOFTWARE

- All cabinets can be activated separately
- Digital real-time protocol
- Operate with keyboard, mouse or touch screen



NEW FUNCTIONS

- One interface, everything under control
- Planning of resource-conserving container exchanges
- Remote access to important data and information



» FIND OUT MORE
IN PRODUCT SECTION 6.



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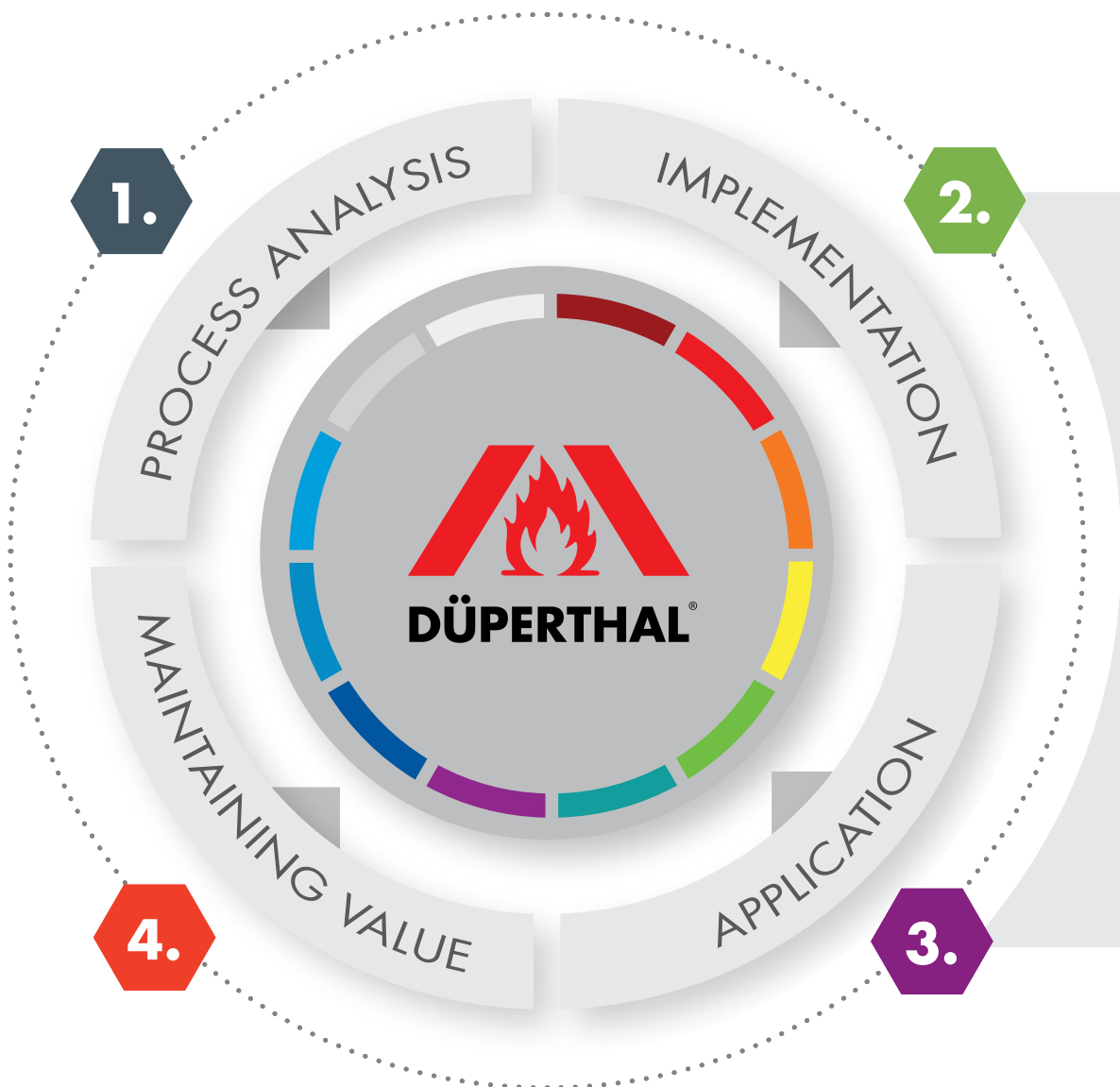
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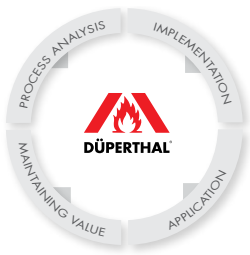
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From the process to realisation: We go with you

We offer products and service for every requirement

DÜPERTHAL offers system solutions for process-optimised storage of chemicals and hazardous substances. for scientific research, development and production. Our goal is to always fulfil your individual requirements with customised solutions. This is why you can expect not only outstanding certified products from us, but also outstanding full service.





Services throughout the process

One of our distinctive features is our profound knowledge of our customers' processes. For more than 40 years, we have stood by you as an active companion and consultant: from the analysis of your individual requirements, to the planning and implementation of the optimal solution, through to permanent maintenance.

Innovative products for every situation

Our product portfolio for the storage, use and disposal of chemicals and hazardous substances is as diverse as the requirements for their handling. In addition to high-quality, certified safety storage cabinets, we offer a variety of fitting options and accompanying products for every need, however specific



Technical added advantages

- » Safety storage cabinets and accompanying products for every application
- » More occupational safety and environmental protection through maximum fire protection
- » Maximum comfort during use and operation

Economic added advantages

- » Optimisation of processes and work processes.
- » Continuous value retention
- » Excellent service throughout the process

Tailored to your processes



1. Process analysis

Your problem is our challenge

Your processes should run optimally - in every respect. Our experts take a closer look at safety-relevant and profitability aspects. You are guaranteed the greatest possible flexibility in implementation. Because we have the right solution for every situation.



From process analysis to concept

Together with you on site, our experts will collect extensive data in an as-is analysis. Based on this information and your requirements, a target state is defined in a task folder.



Modular and tested system solutions

We use the full range of DÜPERTHAL's standard technologies and supplement them with modular and type-tested systems, adapted to your requirements.



2. Implementation

Safe and economical solutions

Not only do you get a technically perfect system from us, but we also make sure that you have to put in as little effort as possible. We deliver our products directly to the site and take over the implementation. Full service is our principle.



Shipment and delivery

Safety for us starts with the delivery of the product. The specialist carrier appointed by us works according to a detailed checklist and therefore ensures that our products are professionally transported to and installed in their final place of use - delivery just-in-time and just-in-place.



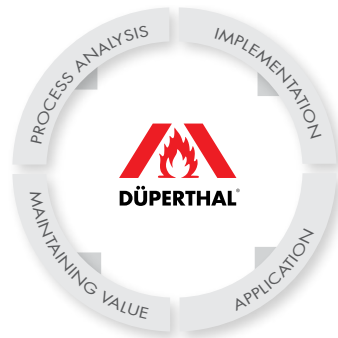
Project support on site

The professional handling of complex projects requires more than just delivering safety storage cabinets. DÜPERTHAL therefore provides comprehensive support for your national and international projects with planning, delivery service, construction site support and training of the lab managers and users.



Installation, implementation and final acceptance

Our team of specialists ensures a smooth and optimal assembly process on site. After complete installation of all components, the commissioning and joint final acceptance will be carried out with you.



3.

Application

Optimal integration – safe and economical solutions
We work conscientiously to optimise your process flows sustainably. This means that we attach great importance to documentation and training. In addition, the latest technology is used for evaluations. In this way, we integrate our products ideally into your existing structures.



Documentation

A detailed operations manual is supplied with each product, especially for complex projects. This already includes the CE certificate of conformance and the type certificate for the patented system solutions tested by independent third parties.



Training and risk assessment

In order that you are sure that our components can be used professionally and can be operated without any risk, we will be happy to train the responsible persons directly on the spot. The points treated can be included in your risk assessment.



Evaluation

With the Internet-capable Cabi2Net, all relevant operating parameters of the safety storage cabinets can be constantly monitored and evaluated. The query can be sent simply from a mobile phone, tablet or PC. This also safeguards your processes and helps you to make the internal value chain even more efficient

4.

Maintaining value

Product life cycle - maximum safety

To ensure the functionality and safety of your system solution in the long term, we recommend an annual inspection. Our service agreement guarantees you maintenance and spare parts long after installation and commissioning.



Occupational safety and health OSHA / EU-OSHA

When dealing with hazardous substances, the highest priority is the protection of employees and the environment. Therefore, DÜPERTHAL safety storage cabinets guarantee compliance with the requirements of the Occupational Safety and Health Administration (OSHA and EU-OSHA). We will clarify all relevant topics and train you in the safe handling of our products

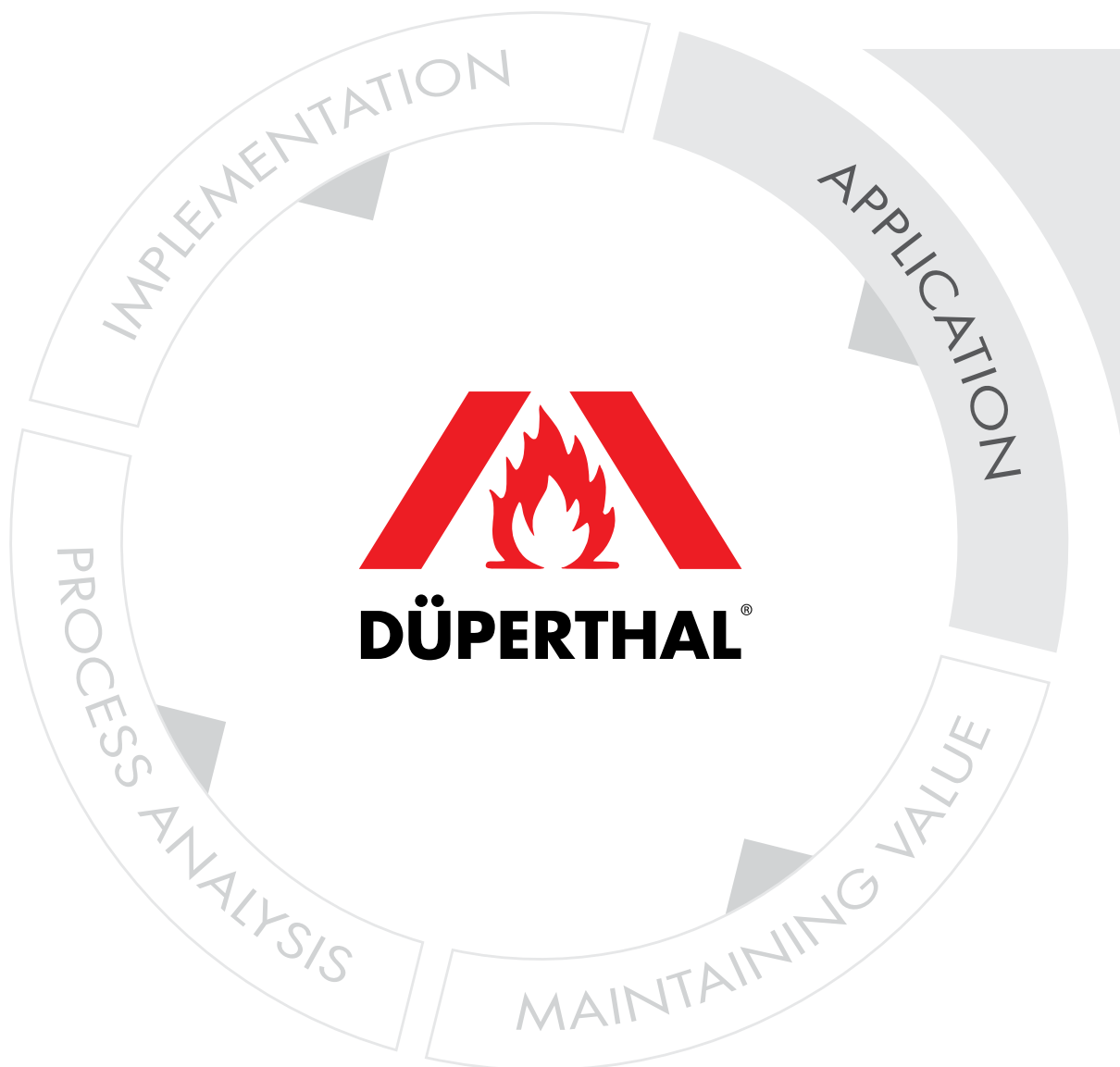


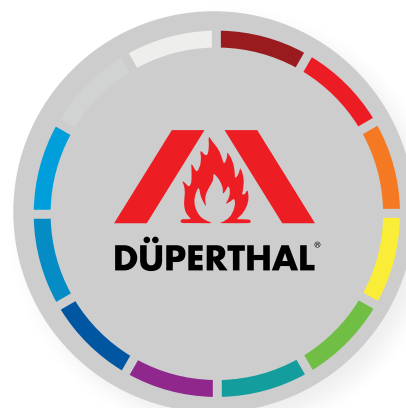
Permanent service agreement with regular maintenance and service

Highly complex processes rely on robust structures. With our service agreement, we can safeguard our reliable system solutions even better in your interest. The annual maintenance also extends the manufacturer's guarantee. A double benefit for you - in terms of safety and profitability .

Your Challenge – Our Solution

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 work processes. Based on the analysis of the actual status and the jointly defined objective, you receive an individually tailored and modular system solution from us. Thanks to our varied product range, you can design your laboratory and workplace flexibly and as needed





1. Storage

Safely storing hazardous substances

We offer a wide range of products for the safe storage of sensitive hazardous goods. Up to 90 minutes of protection in case of fire ensures maximum safety.



2. Use

Using products ergonomically

In addition to a large range of standard solutions, we have tailor-made solutions that integrate seamlessly into your workflows and optimise them.



3. Disposal

Disposing of materials in an environmentally sound manner

There are strict regulations for the disposal of dangerous goods. We provide a wide range of products and components for safe implementation in compliance with regulations.

90 minutes – Course of events and timetable of a fire

In the event of a fire, the 90 minutes of tested fire protection is the decisive factor in protecting people and minimising damage to property. DÜPERTHAL safety storage cabinets of fire resistance rating type 90 allow sufficient time for workers to leave the room in the event of a fire and allow the fire brigade sufficient time to get into the laboratory. Just before a smaller extinguishable fire from stored flammable substances causes an uncontrollable fire



The test of the cabinet under fire conditions is part of the standard. Each cabinet model is type-tested in a fire chamber in accordance with DIN EN 14470-1. The test parameters and test temperatures in the fire chamber and directly in the cabinet are specified in the standard, and further details are provided on the following pages.



10-15 min.

10-15 minutes - after the start of the fire

- » The fire brigade is at the source of the fire

After 10 minutes of burn time

- » Safety storage cabinets with a fire resistance of 10 minutes are now losing their function.
- » The flammable substances are no longer safe
- » The fire brigade must fight the fire at a considerably increased risk.
- » Heavy damage is to be expected.

90 min.



Your benefits with the 90-minute technology

- » Safety storage cabinets Type 90 retain their function for 90 minutes.
- » The hazardous substances are stored safely for at least 90 minutes.
- » The fire brigade has considerably more time to extinguish the fire safely.
- » Reduction of the fire load and minimisation of damage.

Fire chamber test according to DIN EN 14470-1

The fire resistance rating of safety storage cabinets in accordance with DIN EN 14470-1 is determined by the rise of temperature of the cabinet interior inside of a fire chamber according to the temperature-time curve in accordance with DIN EN 1363-1. Starting from an initial temperature of 20 +/- 5 °C and after the time until the temperature in the cabinet interior increases to 180 °C maximum, the cabinet is then classified as type 15, 30, 60 or 90 (analogous to time in minutes). Safety storage cabinets for pressurised gas cylinders are subjected to a comparable test in accordance with DIN EN 14470-2, details on this are provided on page 264.



[+ Your economic advantage]

Example calculation:
(average values)

Cost of purchasing a
safety storage cabinet
tested fire resistance

Profitability/Costs

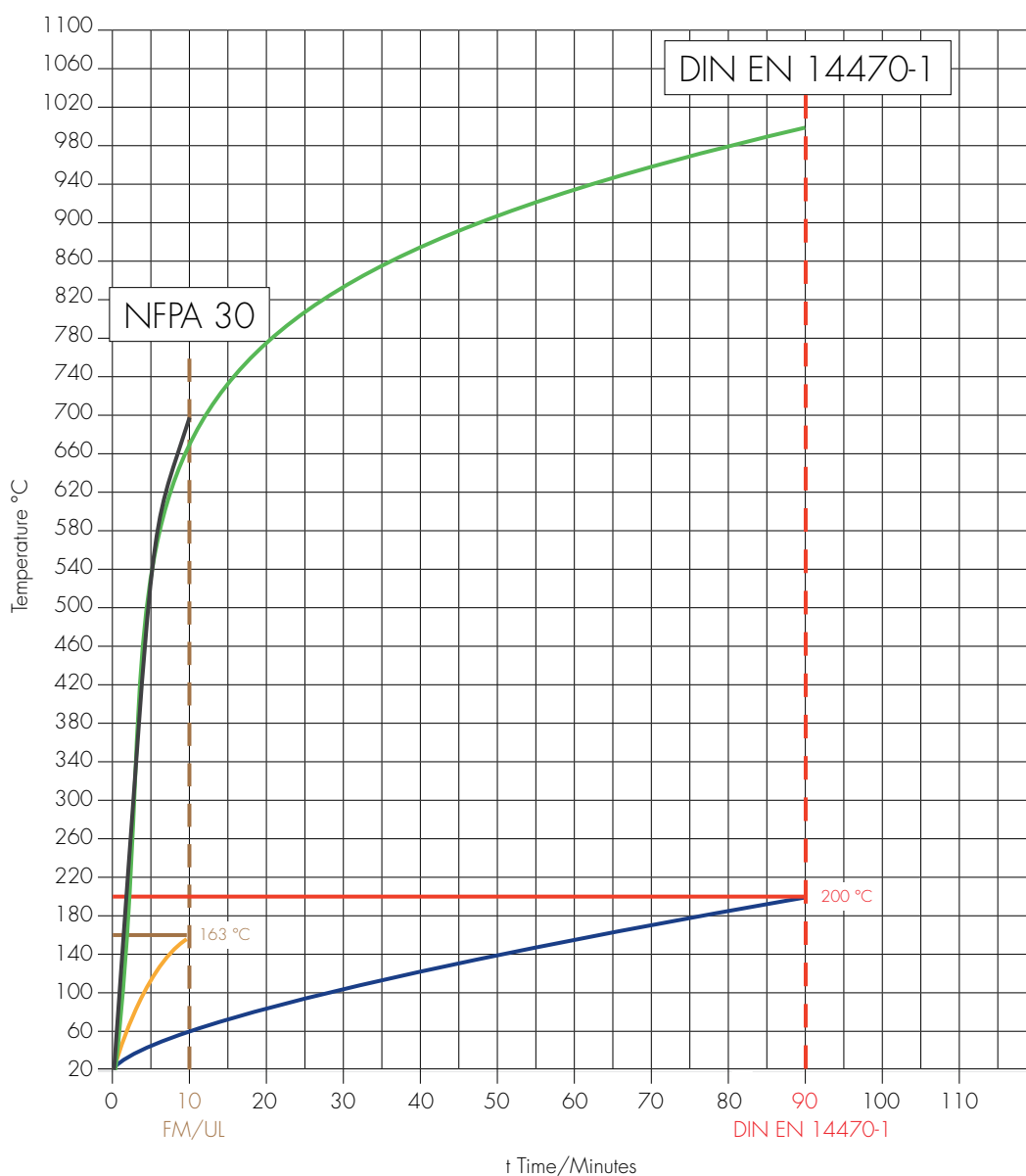
US standards	European standard
FM/UL, NFPA 30	DIN EN 14470-1

€ 1,000	€ 2,430
10 minutes	90 minutes

100 € per min. 27 € per min.

Video of an
extreme test





Fire and explosion-proof safety storage cabinets Type 90 by DÜPERTHAL offer a reliable fire resistance of 90 minutes in accordance with DIN EN 14470-1.

US standards according to FM/UL, NFPA 30

- Maximum allowed temperature in the cabinet in acc. with FM/UL = 163 °C (325 °F).
- Temperature profile in accordance with NFPA 251 in the open fire chamber.
- Example of the rising temperature in an FM/UL cabinet during the fire test, monitored with 1 thermometer.

European standard DIN EN 14470-1.

- Maximum allowed temperature in the cabinet in acc. with DIN EN 14470-1 = 200 °C (392 °F).
- Temperature profile in accordance with DIN EN 1363-1 in the closed fire chamber.
- Example of the rising temperature in a Type 90 cabinet during the fire test, monitored with 11 thermometers.

Fire resistance class – Type 90:

90 minutes of safety thanks to special construction

Utmost care is essential in the handling of hazardous substances. Our technology with maximum fire resistance helps you to achieve this. Thus, thanks to their special construction, our safety storage cabinets guarantee fire resistance of 90 minutes, type-tested according to DIN EN 14470-1.



Type 90

Fire resistance

Construction:

- » The doors and the outer carcass are made of powder-coated sheet steel.
- » The inner carcass and the inside of the doors are made of high-quality decor panels.
- » There is a special insulation between the inner and outer carcasses, so that the heat cannot penetrate into the cabinet interior in case of fire
- » In case of fire, doors, drawers and ventilation openings for air supply and exhaust air are automatically closed and the door gaps as well as open joints are sealed by foam-forming gaskets.

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Your benefits through DÜPERTHAL safety storage cabinets Type 90:

- » A chain reaction will be avoided in case of fire
- » Workers, the fire brigade, and rescue services will be protected.
- » Maximum fire protection for buildings and systems
- » Reduction of insurance contributions for fire protection is possible
- » Financial security, e.g. by reducing the risk of default of production and buildings.
- » Fulfilment of the requirements of risk management in accordance with ISO 9000 and ISO 14001.
- » Use of high-quality safety storage cabinets conserves resources and strengthens the image of your company.

Test criteria, protection objectives and minimum requirements

The three essential requirements of a safety storage cabinet in accordance with DIN EN 14470-1 are the minimisation of the risk of fire, the minimisation of fumes released into the work environment, and the retention of possible leakages. The test requirements of the laboratory furniture standard DIN EN 14727 also ensure a minimum of quality.



DIN EN 14470-1
DIN EN 14727

Extracts from DIN EN 14470-1

Ventilation

- » To prevent an explosive atmosphere, the ventilation must be effective directly above the bottom tray.
- » Ventilation openings for air supply and exhaust air must self-close when the temperature reaches 70 °C (158 °F).

Interior fittings

- » The bottom tray for the restraint of possible leakages must still be functional even after the fire resistance test.
- » The shelves must be made of non-absorbent material, bear the permissible load over the duration of the fire and be at most 1.75 m (5.74 ft) above the floor.

Door technology

- » Complete self-locking of the doors within a maximum of

20 seconds, optionally, an arrest system with temperature release at 50 °C (122 °F) is possible.

- » Closing force between the main closing and opposite closing edge of the door must not exceed 100 Newtons.
- » Each wing of the door must be operational with one hand.
- » If the doors are lockable, the locking device must not prevent self-closing in case of fire.

Fire chamber test

- » Each cabinet model and size is type-tested in a fire chamber test in accordance with DIN EN 14470-1 Type 90.

Tested safety at a very high level including:



Extracts from DIN EN 14727

Static endurance test

- » Standing surfaces, e.g. storage shelves, are subject to a static load and impact tests and must not show any breakage or other damage.

Dynamic load test

- » All components that move mechanically such as pull-out shelves, drawers and doors are tested with 50,000 cycles each. After the tests, the doors must close exactly and snap into place.



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-tested according to DIN EN 14727 (laboratory furniture standard).
- » Type 90 classification in accordance with DIN EN 14470-1.
- » GS/CE mark.
- » High Quality mark of approval for upper-level style, user-friendliness and increased lifetime.

High-quality safety storage cabinets with maximum fire protection



Your added advantage with DÜPERTHAL safety storage cabinets!

» **Maximum fire protection for your safety**

Maximum safety with Type 90 technology and automatic self-closing doors in case of fire

» **Upper-level style for your health**

Ventilation in every cabinet level with visual inspection of the butterfly valves, with a continuous earthing concept as a standard.

» **Increased lifetime for your investment**

Continuous testing in accordance with DIN EN 14727, even 80,000 instead of 50,000 cycles in the dynamic load test.



1 Ventilation

Ventilation in **every cabinet level** and visual inspection of the venting cut-off flaps

2 Earthing (system)

To prevent ignition hazards through earthing in accordance with TRGS 727, the bearing surfaces are conductively connected as a standard to the equipotential bonding saddles.

3 Automatic closing of the doors

In case of fire, a the mocouple automatically triggers the uninterrupted closing system via the non-wearing safety feature (functional principle similar to the air bag system).

4 Base

A setback base is the solution to ergonomic working and a safe position.

5 Lock arrangement

The ergonomic lock arrangement at handle level increases handling convenience.

6 Transport

Due to the base construction with removable base boards, the cabinet is accessible from all sides. As a result, simple transport, for example with a hand pallet truck, is possible.

Compliance mark for DÜPERTHAL safety storage cabinets

Solved internally, confi med externally and independently

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



Tested safety - Made in Germany

Tested safety at the highest level including

- » Type-tested according to DIN EN 14470-1 as well as DIN EN 14470-2 by recognised test institutes (TÜV Süd, iBMB Braunschweig, ift Rosenheim).
- » TÜV testing according to DIN EN 14727 (laboratory furniture standard).
- » GS/CE mark.
- » High Quality mark of approval for upper-level style, user-friendliness and increased lifetime.



DÜPERTHAL Innovation – sustainably protected technical inventions based on well over **50 national and international patents!**

DIN EN





What else should you pay attention to?

Explosion and health protection

In accordance with DIN EN 14470, safety storage cabinets must be provided with supply and exhaust air connection in order to prevent hazardous vapours escaping into the working area by means of a technical exhaust air system. In this case, the ventilation must be carried out to the open air in a safe place. Alternatively, ATEX-compliant (2014/34 / EU) recirculating air filter systems have been tried and tested in practice in safety storage cabinets for solvents. In accordance with TRGS 510, safety storage cabinets without industrial ventilation must be earthed due to the increased danger potential.



» Exhaust air systems

» Filter systems



Your added advantage with industrial ventilation!

» Preventing an explosive atmosphere

A concentration dilution can already be achieved in the safety storage cabinet from a 10-fold air exchange per hour, so that an ex-zone around the cabinet is avoided. Please note that a lab bottle that has been opened once can already be a permanent source of emissions.

» Minimisation of health risks

With industrial ventilation, an increased risk of explosion as well as odour pollution can be

counteracted. In practice, it might be necessary to set a higher air exchange.

» Effectiveness / Functionality

The ventilation must be effective immediately above the bottom tray, since solvent vapours are often heavier than air. The laboratory directive also requires that the extraction is applied directly at the point of danger. Therefore, all DÜPERTHAL safety storage cabinets are equipped with ventilation at each cabinet level.

Our commitment to sustainable action

As an internationally operating family business with a company culture characterised by the community, we maintain clear values that characterise our daily thinking and action. In this way, we always have the big picture in mind in order to achieve satisfaction and success together with our customers and partners. This vision is committed to bringing the requirements of customers, the environment and society into harmony.



DÜPERTHAL Sustainability

Good economic sense, ecological long-term vision and social care - these are the ingredients for our daily thinking and action.



Economic aspects

The holistic view of the processes of our customers is deeply rooted in our corporate philosophy. This is how we create the basic conditions for optimised, safe and ergonomic work processes. Retaining the value of the products not only reduces costs. The increased lifetime of the safety storage cabinets also saves resources and saves energy for production.



Ecological aspects

DÜPERTHAL is committed to environmental protection and resource efficiency. We attach great importance to the commitment to use locally available raw materials. The short transport routes from suppliers in the surrounding area help to reduce emissions of harmful substances. At the same time, the use of recyclable materials relieves the environment during production.



Socio-cultural aspects

We promote and protect scientific research and development. With our products and services we increase safety in the workplace. We help our customers focus on the essentials - their work and the development of innovations that advance our society. Therefore, we do not limit ourselves to Germany. We document and certify our services in many countries and languages in order to implement our high standards on a comprehensive basis.

We continue the advancement of our company with the same diligence. For that is how we lay the the foundation stone for securing our future-oriented production sites and the preservation of valuable jobs in the region.

Passive storage of flammable liquids





1

Safety storage cabinets Type 90 for flammable liquids

Door technologies

1.1

CLASSIC line



Type
90

1.2

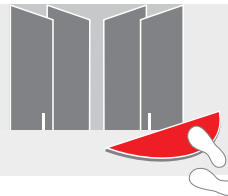
PREMIUM line



Type
90

1.3

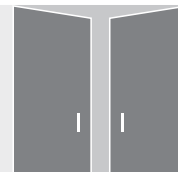
COMFORT line



Type
90

1.4

COMPACT line



Type
90

1.5

UTS ergo line®
BENCH line



Type
90



with **wing door technology**, interior fittings
bottom tray, optionally storage shelves
or pull-out shelves.



from page

36

with **folding door technology**, interior fittings
bottom tray, optionally storage shelves,
pull-out shelves or vario shelves.



66

with **folding door technology** and **pneumatic operation**
with foot pedal, interior fittings bottom tra ,
optionally storage shelves or vario shelves.



88

with **wing door technology**, interior fittings
bottom tray with grating.



98

with **wing door technology**, interior fittings
optionally bottom tray or automatically extending
pull-out tray.



110

Safety storage cabinets for non-flammable media or **combined** storage

1.6 HSC line

Type
90

1.7 ACID line

1.8 Chemical cabinet

Type
90

1.9 Environmental cabinet
1.10 Toxic cabinet

1.11 BASIC line

Type
30



For the combined storage of acids, lyes, toxins and flammable hazardous substances



from page

136

For the storage of aggressive liquids
Interior fittings pull-out trays made of PE



152

For the storage of flammable and water-polluting substances.



166

Environmental cabinet – for the storage of water-polluting substances.
Toxic cabinet – for the storage of hazardous substances.



170

with **wing door technology**, interior fitting bottom tray and shelves.



176

BASIC line 1.11



BASIC line for flammable liquids – type 30



Your added advantage with the BASIC line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

In case of fire, a the mocouple automatically initiates the uninterrupted closing of the doors.

» Working safety

Equipotential bonding screws as a standard in the cabinet help prevention of spark formation.

For the economic storage of hazardous substances with a 30 minute fire protection concept - the simple way to achieve a higher safety level at your workplace.



1 Classical wing door technology

Easy-moving wing door technology is the correct solution for a multitude of possible applications.

2 Self-closing in case of fire

Doors with integrated arrest system as a standard. This way containers can be put in and removed with both hands. In case of fire the door closes automatically.

3 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 32 mm (1.26 inch).

4 Ergonomics

Ergonomic lock layout at handle level and integrated locking cylinder in the easy-moving doors and drawers.

5 Damped closing of the doors

Cushioned door stoppers guarantee that the doors/drawers close gently and at a low noise level.

6 Adjustable feet

Adjustable feet with extra large bearing surface for easy alignment and level equalisation from inside and out.

BASIC line – Type 30

Safety storage cabinets with 30 minutes of fire protection for the economic storage of hazardous substances in working areas, according to TRGS 510.



BASIC XL



BASIC M



BASIC UTS line – Type 30

The safety storage cabinets of the BASIC UTS line are especially designed for the storage of flammable hazardous substances in near-operational conditions. With a fire resistance of 30 minutes, they offer a minimum level of safety at the workplace.

1.11



BASIC UTS BST-5



BASIC UTS BLT-5



BASIC UTS BLK-5

Interior fittings:

- » Bottom shelves and bottom trays, optionally made of powder-coated sheet steel or stainless steel.

Construction:

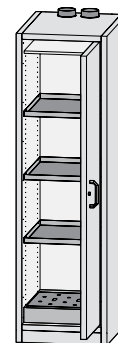
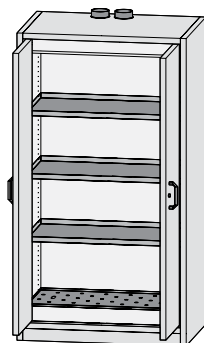
- » Complete cabinet unit made of high-quality, flame-retardant decor panels
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered on request for no additional charge.

Colour standard version:

- » Wing doors/drawers in grey, similar to RAL 7035 - microperl.
- » Carcass completely in grey, similar to RAL 7035 - microperl.
- » Base in slate grey RAL 7015.

similar to:
Light grey
RAL 7035

Ordering information



Ref. no.

with wing door/drawer

Details

Dimensions

Outer (width x depth x height)	[mm] [inch]
Inner (width x depth x height)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size	[400 ml/11 oz] [1,0 l/0.26 gal] [1,0 l/0.26 gal] [2.5 l/0.66 gal]
------	--

Ref. no.

Additional interior fittings	Material
Storage shelf	Sheet steel
Anti-slip mat	Rubber
Locker (door hung left)	
Locker (door hung right)	

BASIC XL

with storage shelves

23-201260-401

3 storage shelves, 1 bottom tray,
1 perforated sheet insert and base

1195 x 595 x 2075
47.05 x 23.43 x 81.69

1119 x 470 x 1600
44.05 x 18.5 x 63

278
612.89

120 spray cans
47 cans
55 glass lab bottles
22 glass lab bottles

BASIC M

with storage shelves

23-200660-401

3 storage shelves, 1 bottom tray,
1 perforated sheet insert and base

595 x 595 x 2075
23.43 x 23.43 x 81.69

519 x 470 x 1600
20.43 x 18.5 x 63

147
324.08

53 spray cans
19 cans
24 glass lab bottles
9 glass lab bottles

23-81260-114	23-80660-114
29-81260-514	29-80660-514
29-50000-036L	29-50000-036L
29-50000-036	29-50000-036

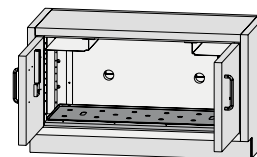
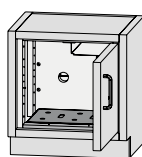
Other accessories on page 185. Other technical details and dimensions from page 186 onwards.



Tested safety at a very high level including:



1.11



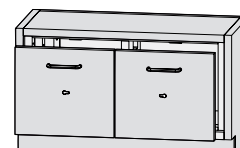
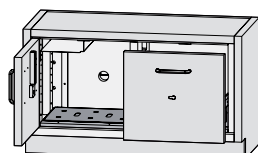
BASIC UTS BS-5	BASIC UTS BST-5	BASIC UTS BLT-5
with drawer	with bottom tray	with bottom tray
23-060654-401	23-060650-401	23-061150-401
1 drawer, 1 perforated sheet insert and base	1 bottom tray, 1 perforated sheet insert and base	1 bottom tray, 1 perforated sheet insert and base
595 x 500 x 635 23.43 x 19.69 x 25	595 x 500 x 635 44.05 x 18.5 x 25	1095 x 500 x 635 44.05 x 18.5 x 25
453 x 423 x 355 17.83 x 16.65 x 13.98	453 x 423 x 358 17.83 x 16.65 x 14.01	934 x 423 x 358 36.77 x 16.65 x 14.01
59 130.07	59 130.07	91 200.62
29 spray cans 10 cans 12 glass lab bottles 5 glass lab bottles	32 spray cans 12 cans 14 glass lab bottles 5 glass lab bottles	85 spray cans 30 cans 36 glass lab bottles 15 glass lab bottles
-	-	-
29-90650-514	29-90650-514	29-91150-514
-	-	-
-	-	-



Tested safety at a very high level including:



Ordering information



BASIC UTS BLK-5

with bottom tray and drawer

BASIC UTS BLD-5

with drawer

Ref. no.

with wing door/drawer

23-061153-401

23-061155-401

Details

1 drawer, 1 bottom tray,
2 perforated sheet inserts and base

2 drawers,
2 perforated sheet inserts and base

Dimensions

Outer [mm]
(width x depth x height) [inch]

1095 x 500 x 635
43.13 x 19.69 x 25

1095 x 500 x 635
43.13 x 19.69 x 25

Inner [mm]
(width x depth x height) [inch]

L: 452 x 423 x 358
17.8 x 16.65 x 14.1

2x 452 x 423 x 355
2x 17.8 x 16.65 x 13.98

R: 452 x 423 x 355
17.8 x 16.65 x 13.98

Weight [kg]
[lbs]

111
244.71

111
244.71

Storage capacity/standing surface (approx. data)

Size [400 ml/1.1 oz]
[1.0 l/0.26 gal]
[1.0 l/0.26 gal]
[2.5 l/0.66 gal]

34/29 spray cans
12/10 cans
15/12 glass lab bottles
6/5 glass lab bottles

29/29 spray cans
10/10 cans
12/12 glass lab bottles
5/5 glass lab bottles

Ref. no.

Additional interior fittings **Material**

Anti-slip mat

Rubber

29-90650-514

29-90650-514

Other accessories on page 185. Other technical details and dimensions from page 186 onwards.



Accessories - varied and flexible

Adapt the cabinets of the BASIC line to your needs even better with the large variety of accessories offered. To make your workplace more efficient and safe .

1.11



Exhaust air systems

Monitoring exhaust air systems help prevent explosion risks in work areas, see programme section 7.



Earthing cables

Through the equipotential bonding saddles on the cabinet as a standard and an additional earthing cable with crocodile clip in the interior, conductive containers can be directly connected to the earthing cable as per TRGS 727.



Transport trolleys

Optional transport trolleys are available with antistatic rollers to safely transport hazardous substances, see programme section 9.



Pipe penetration

Safety storage cabinets can be adapted to your requirements by incorporating additional penetrations for pipes, hoses and cables.



Red-Box

for 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.



Locker

bolted directly in the safety storage cabinet as additionally protected access control (see additional interior fittings)



Anti-slip mat

Anti-slip mats can prevent containers from inadvertently slipping. So everything stays where it belongs (see additional interior fittings)

Accessories:

Pipe penetration (reclosable)

Pipe penetration

Red-Box

Optional extras:

Transport trolley for flammable medi

Earthing cable with crocodile clip

Exhaust air system or ventilator

Safety container

Absorber

Ref. no.:

on request

29-70000-048

2.233.04

7.02.100

1.806.63

See programme section 7 or at www.dueperthal.com

See programme section 8 or at www.dueperthal.com

See programme section 10 or at www.dueperthal.com

Tech specs BASIC line – Type 30

Technical details - BASIC standard

Model size		XL	M
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	75 165.35	40 88.18
Maximum volume of the largest individual container that may be placed on the respective standing surface of the cabinet	[l] [gal]	46 12.15	21 5.55
Collection volume of bottom tray	[l] [gal]	51 13.47	23 6.08
Volumetric flow rate with 10-fold air exchange	approx. [m ³ /h] approx. [cubic ft/h]	10 353.1	5 176.55
Pressure drop in the cabinet	[Pa] [Psi]	<1 <1	<1 <1

Dimensions – interior fittings [mm] - BASIC line [inch]

Model size	XL			M		
	Width	Depth	Height	Width	Depth	Height
Storage shelf	1115 43.9	458 18.03	35 1.38	515 20.78	458 18.03	35 1.38
Bottom tray	1115 43.9	458 18.03	100 3.93	515 20.78	458 18.03	100 3.93
Perforated sheet insert	1106 43.54	449 17.68	100 3.93	506 19.92	449 17.68	100 3.93



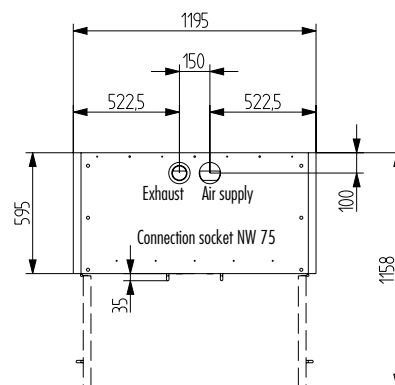
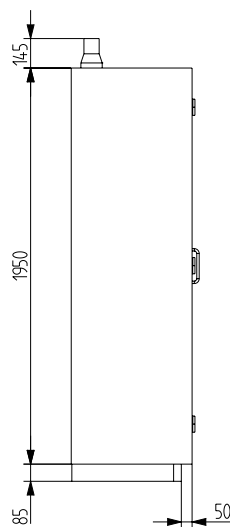
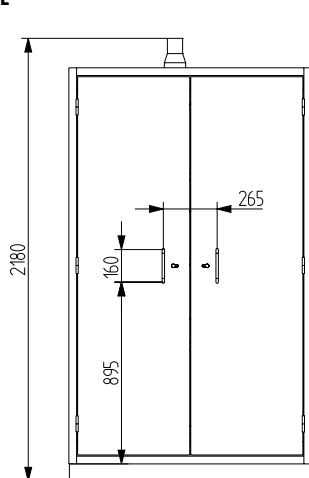
Tech specs BASIC line – Type 30

Front view

Side view

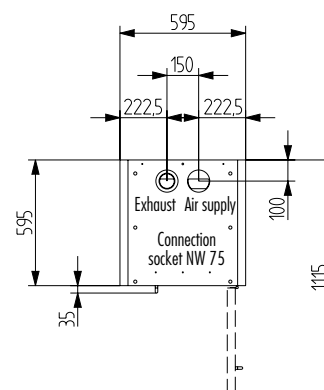
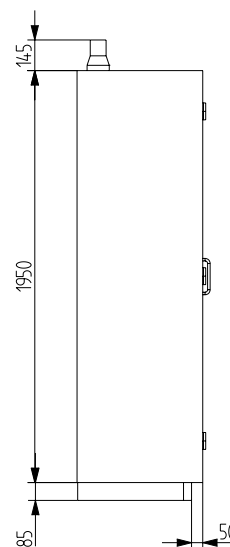
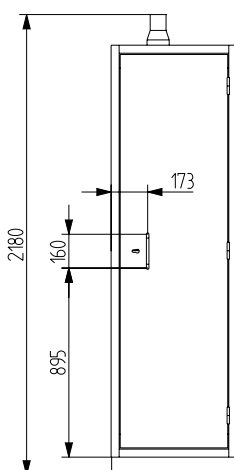
Top view

BASIC XL



1.11

BASIC M



Tech specs BASIC UTS line – Type 30

Technical details - BASIC UTS line

Model size		BS-5	BST-5	BLT-5	BLK-5	BLD-5
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg]	30	30	30	30	30
	[lbs]	66.14	66.14	66.14	66.14	66.14
Maximum volume of the largest individual container that can be stored on the respective standing surface of the cabinet	[l]	7	16	35	16	7
	[gal]	1.85	4.23	9.25	4.23	1.85
Collection volume of bottom tray	[l]	8	18	38.5	18	8
	[gal]	2.11	4.76	10.17	4.76	2.11
Volumetric flow rate with 10-fold air exchange	approx. [m ³ /h]	1.2	1.2	2.5	2.5	2.5
	approx. [cubic ft/h]	42.37	42.37	88.28	88.28	88.28
Pressure drop in the cabinet	[Pa]	<1	<1	<1	<1	<1
	[Psi]	<1	<1	<1	<1	<1

Dimensions – interior fittings [mm] - BASIC UTS line

Model size	BS-5			BST-5			BLT-5			BLK-5 Door side Drawer			BLD-5 per drawer		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Storage shelf	-	-	-	450	350	35	940	350	35	450 -	350 -	35 -	-	-	-
				17.72	13.78	1.38	37.01	13.78	1.38	17.7 -	13.8 -	1.4 -			
Bottom tray / drawer	410	341	125	450	350	130	940	350	130	450 402	350 341	130 125	402	349	125
	16.14	13.43	4.92	17.72	13.78	5.12	37.01	13.78	5.12	17.7 15.8	13.8 13.4	5.1 4.9	15.83	13.74	4.92
Perforated sheet insert	392	331	60	445	342	120	935	342	120	445 392	342 331	120 60	392	331	60
	15.43	13.03	2.36	17.52	13.46	4.72	36.81	13.46	4.72	17.5 15.4	13.5 13	4.7 2.4	15.43	13.03	2.36

Max. container heights - BASIC UTS line [mm]

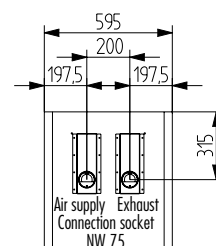
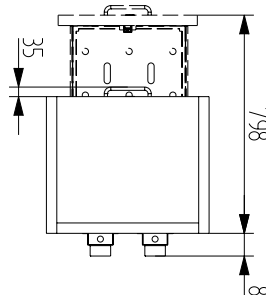
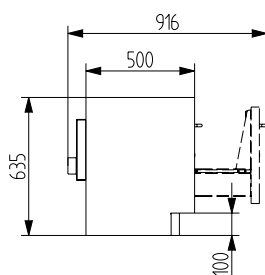
Model size	BS-5			BST-5			BLT-5			BLK-5 Door side Drawer			BLD-5 per drawer		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
with perforated sheet	355	355	355	358	358	358	358	358	358	358 355	358 355	358 355	355	355	355
	13.98	13.98	13.98	14.1	14.1	14.1	14.1	14.1	14.1	14.1 13.98	14.1 13.98	14.1 13.98	13.98	13.98	13.98
without perforated sheet	415	415	415	478	478	478	478	478	478	478 415	478 415	478 415	415	415	415
	16.34	16.34	16.34	18.92	18.92	18.92	18.92	18.92	18.92	18.92 16.34	18.92 16.34	18.92 16.34	16.34	16.34	16.34

Side view

Top view

Rear view

BASIC UTS BS-5





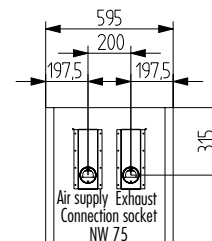
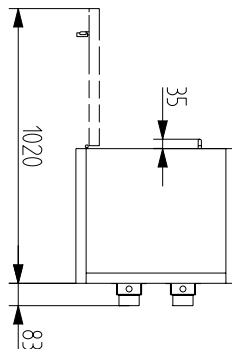
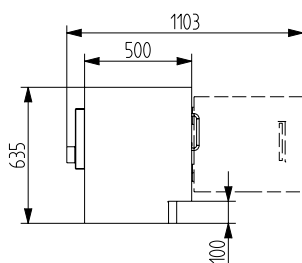
Tech specs BASIC UTS line UTS - Type 30

Side view

Top view

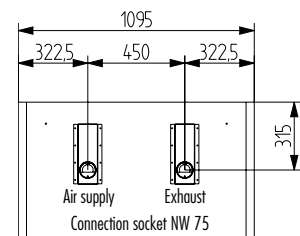
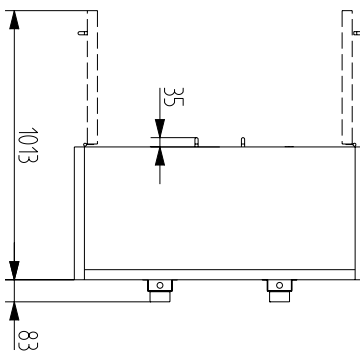
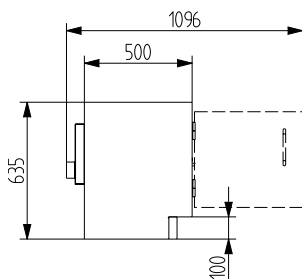
Rear view

BASIC UTS BST-5

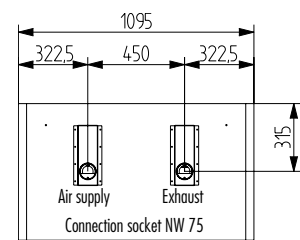
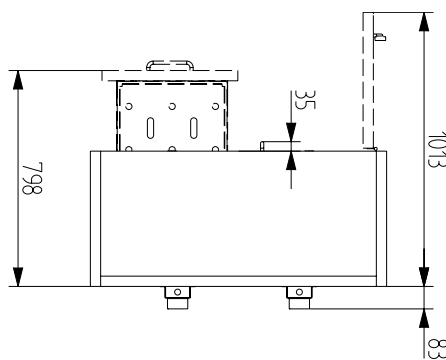
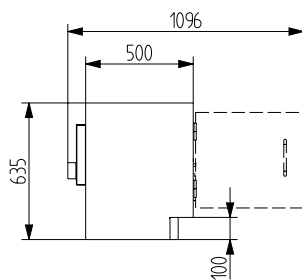


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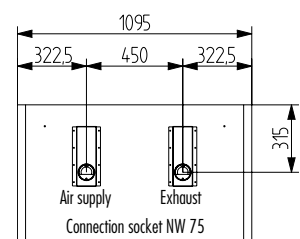
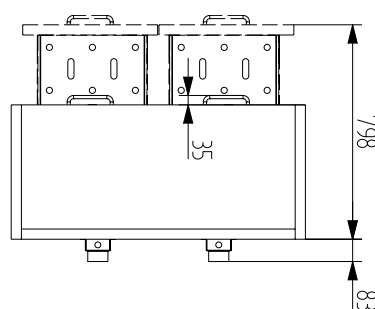
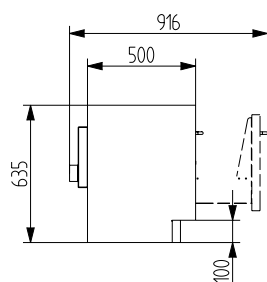
BASIC UTS BLT-5



BASIC UTS BLK-5



BASIC UTS BLD-5



Comfort Service Agreement

We thank you for the trust you have shown in purchasing DÜPERTHAL safety storage cabinets.

Please note that according to BetrSichV, TRGS 526, TRGS 510, ArbStättV and the maintenance interval indicated by the manufacturer, all safety-relevant features have to be checked by a qualified person once a in accordance with TRBS 1203. In order to meet these requirements and to guarantee the safe function of your safety storage cabinets, we recommend that the cabinets should be checked once a year by our service technicians.

Your benefits: DÜPERTHAL Comfort* Service Agreement

- » 5-year manufacturer's guarantee. **
- » First inspection is free of charge.



Your economic advantage

- » 5-year manufacturer's guarantee. **
- » First inspection is free of charge.
- » Cost saving with regard to repairs, time expenditure is not billed separately (included in lump sum).
- » Travel expenses are included in the lump sum.
- » Guarantee systematic monitoring of your safety equipment for audits. We remind you about upcoming deadlines.

Your technical advantage

- » Your cabinet's protective function is constantly maintained.
- » Support from trained and certified service technicians.
- » Inspection of safety storage cabinets and exhaust air filter systems.



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

Your contact person - Service

Phone: +49 6188 9139-166

E-mail: service@dueperthal.com



DÜPERTHAL is certified acc. to
DIN EN ISO 9001



DÜPERTHAL Comfort* service agreement

Customer:

(please specify exact address and phone no.)

Service agreement no.:

between the recipient as the customer and the DÜPERTHAL SICHERHEITSTECHNIK GmbH & Co. KG
Frankenstrasse 3
63791 Karlstein, Germany

In Germany, the annual inspection of safety storage cabinets including proof of the test is legally required by the BetrSichV, TRGS 526, TRGS 510, and the ArbStättV legislation. Employers are responsible for implementation.

The DÜPERTHAL Comfort* Service Agreement includes the following services:

- » Annual safety inspection and maintenance
- » Test certificate and test labe
- » Time expenditure for repairs (spare parts are billed separately)
- » Travel expenses
- » 5-year manufacturer's guarantee**



Number of safety storage cabinets:

(please enter quantity)

1	
2-3	
4 or more	

Lump sum per safety storage cabinet/year:

Number of exhaust air filter systems:

(please enter quantity)

1	
2-3	
4 or more	

Lump sum per exhaust air filter system/year:

The inspection and maintenance covers all safety-relevant parts, such as fire protection and air seals, fusible links, ventilation openings, door closers and locking systems as well as insulation. Furthermore, all mechanical components are checked to ensure that they are working properly and an exhaust air measurement is taken.

Deviations from this agreement are only valid if they have been agreed on in writing by both parties to the contract.

Otherwise the service terms and conditions (supplement) must be complied with.

Karlstein,

Date

Place / Date

DÜPERTHAL SICHERHEITSTECHNIK GmbH & Co. KG

CLIENT

Date / Signature / Company stamp

Date / Signature / Company stamp

* Only valid for cabinets not older than 2 years (from delivery date). ** Manufacturer's guarantee does not apply to cabinets of other manufacturers.

Delivery checklist for safety storage cabinets

Simply complete and send back by e-mail to info@dueperthal.com

Dear Customer,

This checklist is part of the order. We would like to deliver and align your safety storage cabinets at the place of use. To ensure a timely and smooth delivery at the preferred installation location / place of use without complications, we need you to fill in the information below. If information is incomplete or received too late, substantial additional costs may arise, which we have to pass on to you. Please take notice of the delivery date mentioned in the order confirmation.

1. Order data	
Customer	
Customer no.:	
Company:	
Post code/city:	
Name:	
Phone:	
Department:	
PO no:	
Order no:	

Delivery address	
Company:	
Contact person on site:	
Phone:	
Street:	
Post code/city:	
Cabinet model:	
Dimensions: (W x D x H in mm)	
Weight: (in kg)	

2. Installation location and delivery date	
2.1	When will the rooms/ transport routes be ready for use? (This includes all lifts, staircases, corridors on the way)
2.2	Delivery possible from _____ to _____
2.3	Installation location (building, room):
2.4	Person to be notified by phone:
2.5	Phone:

3. Access route/transport route outside the building	
3.1	Is access possible with a 26 t truck, min. dimensions 3 x 1.2 x 4 m (W x L x H)? <input type="checkbox"/> Yes, road width approx. W _____ x H _____ m <input type="checkbox"/> no <input type="checkbox"/> Roofing – max. clearance height only _____ m <input type="checkbox"/> Bridge – max. clearance height _____ m <input type="checkbox"/> Blocked, because _____ <input type="checkbox"/> Route not suitable, because _____
3.2	Distance to the building? _____ m
3.3	Road surface?
3.4	Pedestrian zone <input type="checkbox"/> yes <input type="checkbox"/> no. Delivery time from _____ to _____
3.5	At ground level <input type="checkbox"/> yes <input type="checkbox"/> no
3.5	Steps into the building <input type="checkbox"/> yes, _____ steps <input type="checkbox"/> no
3.6	Loading ramp available <input type="checkbox"/> yes <input type="checkbox"/> no
3.7	Can the truck bridge the steps by means of its rear lifting platform? <input type="checkbox"/> yes <input type="checkbox"/> no
3.8	Parking facilities <input type="checkbox"/> yes <input type="checkbox"/> no
3.9	Forklift truck & driver available <input type="checkbox"/> yes <input type="checkbox"/> no
3.10	Best access route by road?

4. Transport route inside the building	
4.1	Is the load bearing capacity of the transport route sufficient for the weight listed above? <input type="checkbox"/> yes <input type="checkbox"/> no
4.2	Installation location on ground floor <input type="checkbox"/> yes <input type="checkbox"/> no
4.3	Installation location in basement/on upper floor <input type="checkbox"/> yes, _____ floor

5. Lift	
5.1	Lift available? <input type="checkbox"/> yes <input type="checkbox"/> no
5.2	Lift usable? <input type="checkbox"/> yes <input type="checkbox"/> no
5.3	Load bearing capacity in kg
5.4	Usable inner carcass (W x D x H)
5.5	Door clearance dimensions (W x H)



6. Stairs

6.1 Transport by stairs?

yes, _____ floor no

Note: In case of transport to buildings without a service lift and delivery above ground floor, any additional costs arising for additional personnel, equipment, load crane, etc. will be borne by the customer and will be billed separately at cost.

6.2 What kind of stairs are there on site? Please mark with a cross!

Version 1

A = Stair width = _____ cm

B = Landing depth = _____ cm

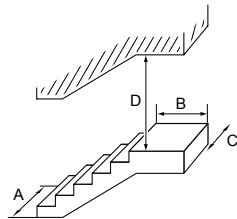
C = Landing width = _____ cm

D = Lintel height = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



Version 2

A = Stair width = _____ cm

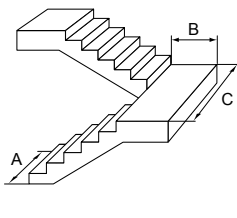
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



Version 3

A = Stair width = _____ cm

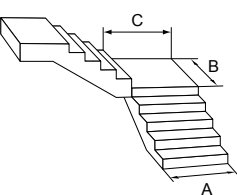
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



When giving the dimensions, please consider all obstructions like banisters, radiators or similar objects!

6.3 Do all stairs along the transport route correspond to the version marked above?

yes no. Differences:

6.4 Other stairs:

Description:

Sketch

Note: Delivery via a spiral staircase is only conditionally possible; please arrange with us a transport route inspection by our carrier in good time!

6.6 Number of stairs in total?

6.7 Type of stairs (e.g. concrete, wood, steel, etc.)?

To the building _____

Inside the building _____

Note: Rubber edges on steps may be damaged; we cannot accept liability for this.

6.8 Protruding edges yes _____ cm overhang no

6.9 Can each individual step be loaded with the cabinet's weight? yes no

7. Doors

7.1 How many doors are there along the transport route?

7.2 Door dimensions	Clear height [cm]	Clear width [cm]	Space available behind [m]
Door 1			
Door 2			
Door 3			
Door 4			
Door 5			

8. Requirements for the installation location/ceiling load

Please take into account the allowable ceiling/floor load at the installation location for all safety storage cabinets. In particular, the SUPREME plus XL and XXL safety cabinets for pressurised gas cylinders may not be installed without consulting a structural engineer first if the ceiling load is less than 600 kg/m².

8.1 The surface must be level and flat and be able to bear the weight of the safety cabinet when fully loaded. Is the load bearing capacity of the installation location sufficient for the weight listed above?
 yes no

8.2 Is the floor at the installation location free of cables and underfloor heating?
 yes no

Note: Furthermore, the installation location must ensure that the safety storage cabinet

- cannot be damaged by vehicles.
- is not exposed to any direct or indirect heat source.
- is protected against moisture.
- is not exposed to an operating temperature below -5 °C or above +45 °C.

The lump sum price quoted for transport is subject to the condition that the installation location (place of use) is freely accessible and it is possible to complete the transport on site. The customer assures that they are aware of the dimensions of the safety storage cabinets to be delivered and that their information regarding the conditions on site at the place of delivery is completely accurate. Any additional costs will be borne by the customer. These may arise from differences between the information given above and the actual situation on site and consequent further action necessary to be taken, such as exceeding the delivery time and/or interventions in the building fabric (widening of door openings, dismantling and reassembly of banisters, etc.) or the installation of a crane to bring the safety storage cabinet to the place requested by the customer. If the transport company refuses transport for reasons of risk and the customer nevertheless insists on installation, all of the customer's rights of recourse are cancelled should the mentioned risks materialise, unless a case of deliberate intent or gross negligence exists.

Date / Signature / Company stamp

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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.
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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

DÜPERTHAL Sicherheitstechnik GmbH & Co. KG
Frankenstrasse 3 | 63791 Karlstein | Germany



Metric Equivalents

Commonly used measurements

[rounded]

Volume / Liquid measure equivalents

Containers & Drum Sizes

[ounce]	4	8	16	32	[pint]	1	[quart]	1	2	[gallon]	1	1.32	1 ½	2
[litre]	0.12	0.24	0.5	1	0.5	1	2	4	5	6	7.5			

[gallon]	2 ½	2.64	3	3 ½	4	5	6	6.6	8	10	12	15.9	30	55
[litre]	9.5	10	11	13	15	19	23	25	30	38	45	60	110	200

[inch]	¼	⅜	½	¾	1 ½	2
[mm]	6	10	13	19	38	51

Sheet Steel Sizes

[gauge steel]	24	18	16	14
[mm]	0.5	1	1.5	1.9

Weight Equivalents

[pounds]	60	132	165	350	600	1000	1500
[kg]	27	60	75	159	272	454	680

Pressure and Temperature

[psig]	3	5	[Fahrenheit]	34°	50°	59°	68°	122°	158°	165°	325°	392°
[bar]	0.2	0.35	[Celcius]	1°	10°	15°	20°	50°	70°	74°	163°	200°



Conversion Chart

Fahrenheit to Celcius:
 $(^{\circ}\text{F} - 32) \times 0.5555 = ^{\circ}\text{C}$

Inches to Millimeters:
Multiply by 25.4

Inches to Centimeters:
Multiply by 2.54

Feet to Meters:
Multiply by 0.3048

Feet to Centimeters:
Multiply by 30.48

Feet to Millimeters:
Multiply by 304.8

Ounces to Grams:
Multiply by 28.35

Pounds to Kilograms:
Multiply by 0.4536

Gallons to Litres:
Multiply by 3.785

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