

UTS ergo line®

Safety storage cabinets in modern design



Type 90

Safety storage cabinets
for the highest requirements

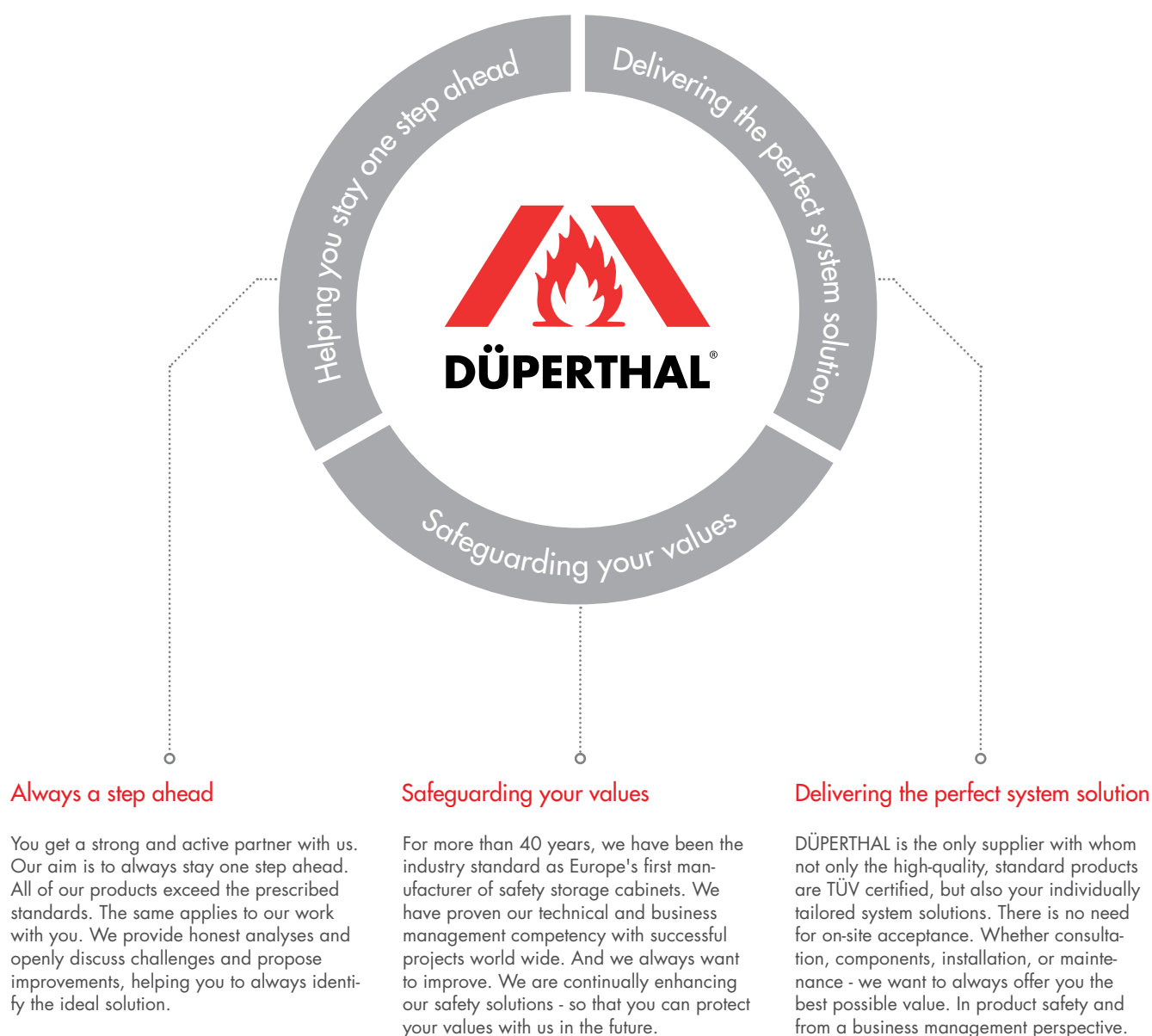
DÜPERTHAL – constant reassurance





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.





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 functionali , 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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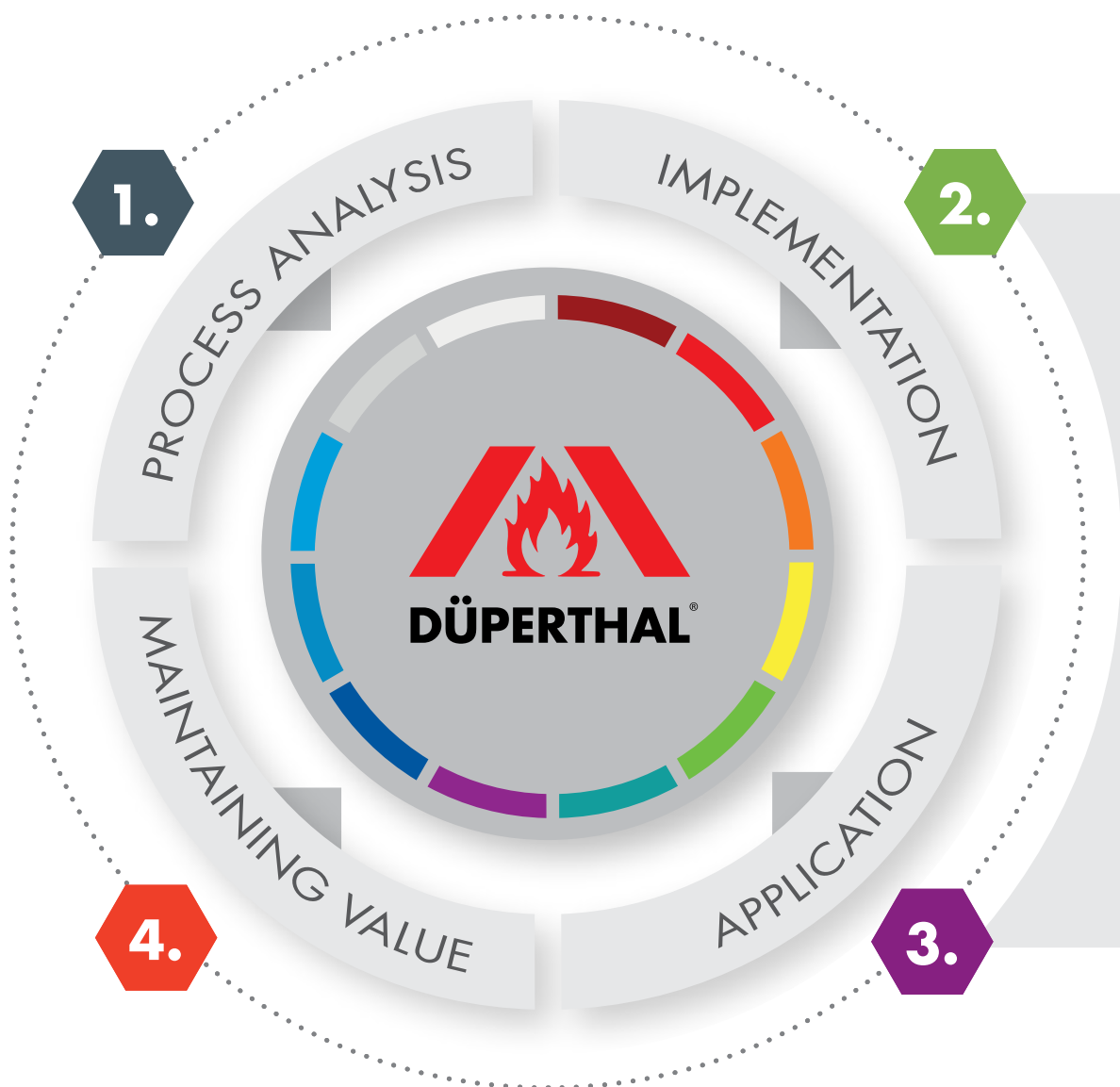
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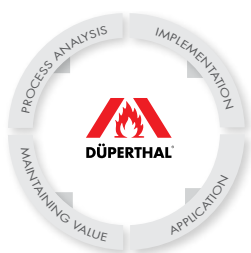
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From the process to realisation: We go with you

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.



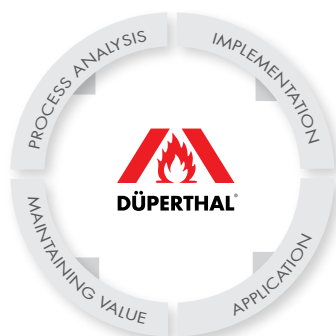
Project support on site

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 conformity 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

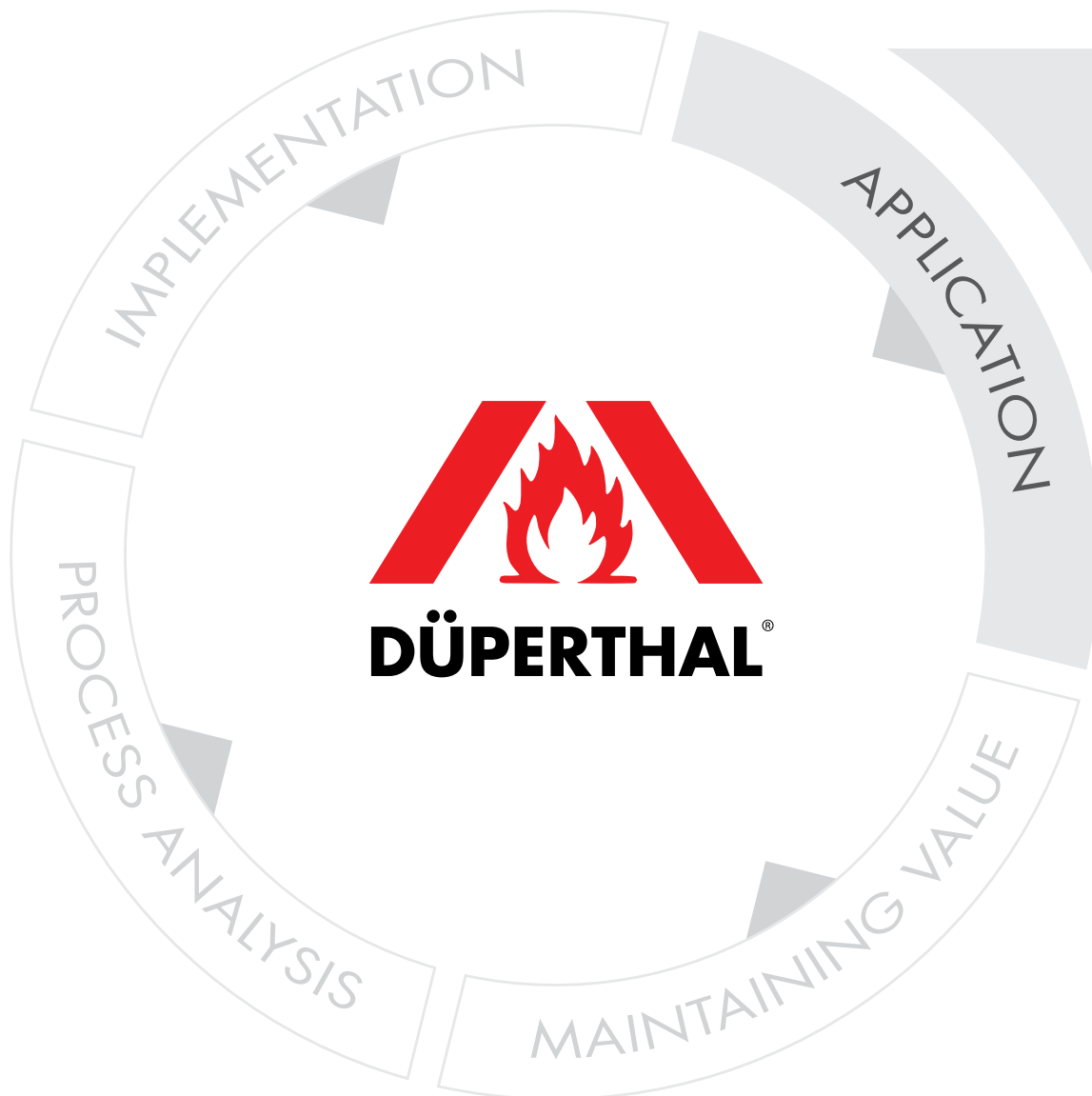


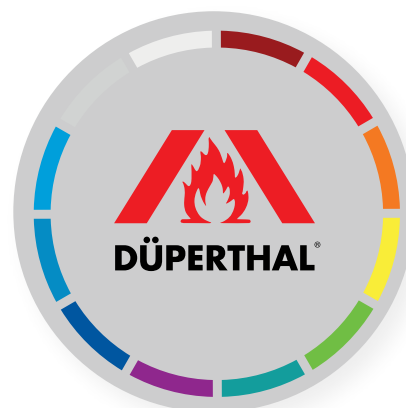
Permanent service agreement with regular maintenance and service

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

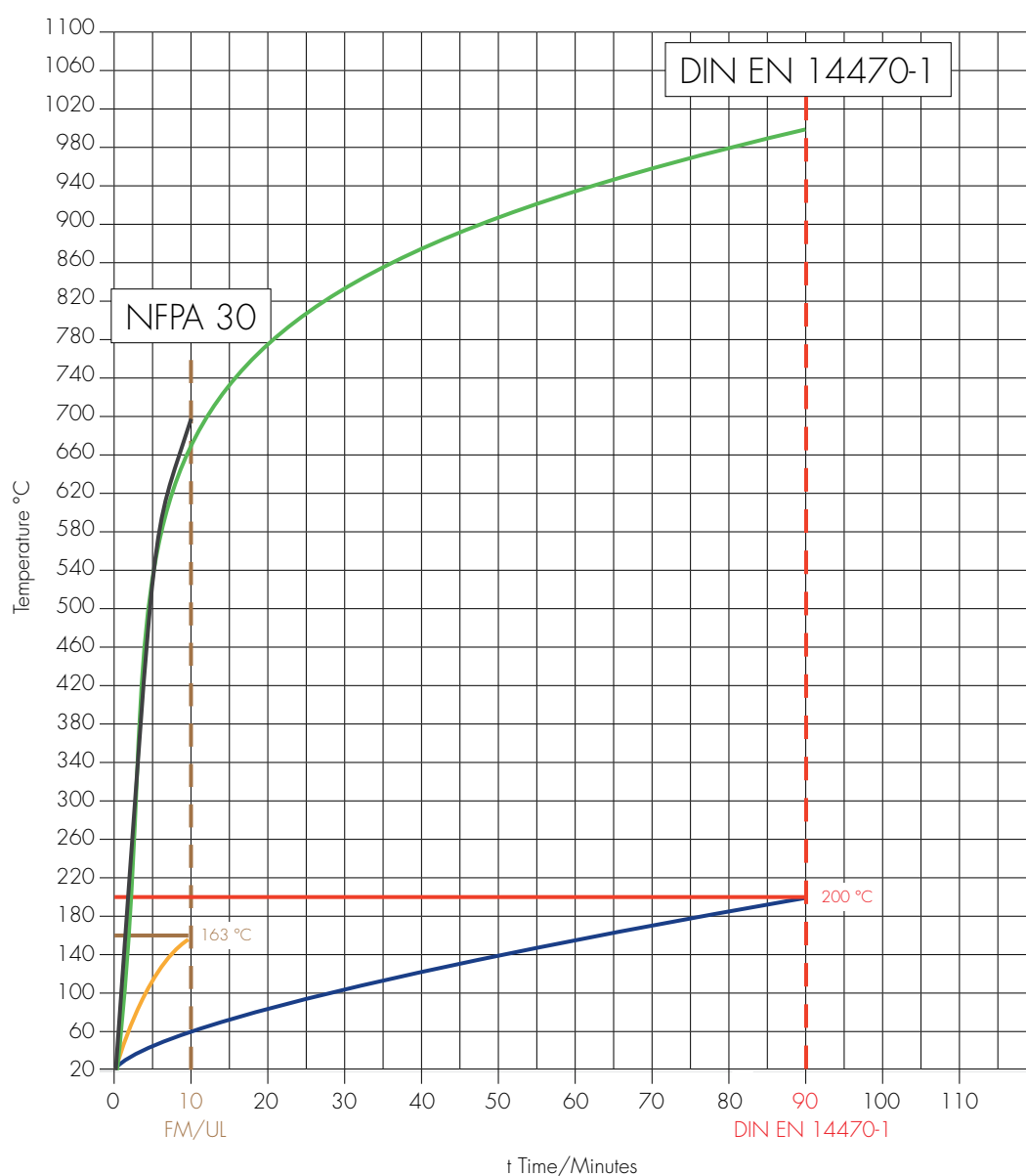
US standards European standard
FM/UL, NFPA 30 DIN EN 14470-1

€ 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.



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.



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.

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.





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 foundation stone for securing our future-oriented production sites and the preservation of valuable jobs in the region.

Passive storage of flammable liquids





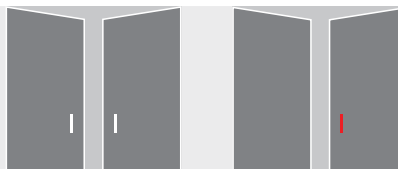
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Safety storage cabinets Type 90 for flammable liquids

Door technologies

1.1

CLASSIC line



Type
90

1.2

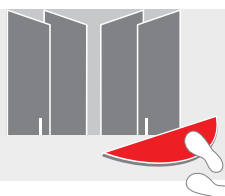
PREMIUM line



Type
90

1.3

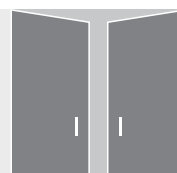
COMFORT line



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
1.10**

**Environmental cabinet
Toxic cabinet**

1.11

BASIC line

Type
30



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



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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

UTS ergo line® | BENCH line

1.5



Safety storage cabinets for under-benches



**Your added advantage with the
UTS ergo line® and BENCH line!**

» **Health**

Ideal layout of ventilation ensures an optimised air exchange.

» **Safety**

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

» **Working safety**

Equipotential bonding saddles as a standard on the cabinet help to prevent spark formation.

The safety storage cabinets of the UTS ergo line and BENCH line are specially constructed for the storage of hazardous substances close to where they are needed. With the UTS ergo line and BENCH line, all containers are always safely stored and at your finger tips when you need them.

1.5



1 Push-to-open wing doors

Very easy-moving push-to-open wing doors can be opened by light pressure on the front.

2 One-hand wing door technology

The wing doors can be opened comfortably with minimal effort using a single handle and the pull-out tray comes out automatically.

3 Ventilation

Optimal layout of ventilation and exhaust valves for visual inspection. Efficient air flow system results in low energy consumption and lowers ongoing operating costs.

4 Floor extraction

Permanent floor extraction through slotted base. This ensures that vapours collecting at the bottom of the cabinet are safely removed and passed to the exhaust air system.

5 PP inserts

PP inserts for the bottom tray and the pull-out tray are perfect for collecting small leakages.

6 Roller set

Roller set available for all base variants with which the UTS ergo line can be installed more easily into existing equipment.

UTS ergo line® | BENCH line – Type 90 at a glance

UTS ergo S and ST with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
600	593	631
23.62	23.35	24.84



UTS ergo ST



UTS ergo S

Max. volume of largest individual container [l]/[gal]	12/3.17	10/2.64
-------------------------------------------------------	---------	---------

UTS ergo M and MT with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
888	593	631
34.96	23.35	24.84



UTS ergo MT

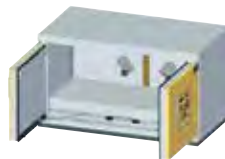


UTS ergo M

Max. volume of largest individual container [l]/[gal]	19/5.02	16/4.23
-------------------------------------------------------	---------	---------

UTS ergo L, LT and LD with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1100	593	631
43.31	23.35	24.84



UTS ergo LT



UTS ergo L



UTS ergo LD

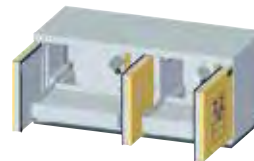
Max. volume of largest individual container [l]/[gal]	24/6.34	21/5.54	10/2.64
-------------------------------------------------------	---------	---------	---------

UTS ergo XL, XLT with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
1400	593	631
55.12	23.35	24.84



UTS ergo XLT



UTS ergo XL

Max. volume of largest individual container [l]/[gal]	19/5.02	15/3.96
-------------------------------------------------------	---------	---------

BENCH ST and S with pull-out tray or bottom tray

Dimensions [mm] [inch]		
Width	Depth	Height
601	594	805
23.66	23.39	31.69



BENCH ST



BENCH S

Max. volume of largest individual container [l]/[gal]	12/3.17	10/2.64
-------------------------------------------------------	---------	---------



UTS ergo S-5 and ST-5 with pull-out tray or bottom tray

Dimensions [mm]
[inch]

Width	Depth	Height
600	493	631
23.62	19.41	24.84



UTS ergo S-5



UTS ergo ST-5

Max. volume of largest individual container [l]/[gal] 8/2.11 9/2.38

1.5

UTS ergo M-5 and MT-5 with pull-out tray or bottom tray

Dimensions [mm]
[inch]

Width	Depth	Height
888	493	631
34.96	19.41	24.84



UTS ergo M-5



UTS ergo MT-5

Max. volume of largest individual container [l]/[gal] 11/2.91 14/3.7

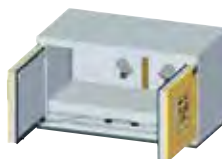
UTS ergo L-5, LT-5 and LD-5 with pull-out tray or bottom tray

Dimensions [mm]
[inch]

Width	Depth	Height
1100	493	631
43.31	19.41	24.84



UTS ergo L-5



UTS ergo LT-5



UTS ergo LD-5

Max. volume of largest individual container [l]/[gal] 16/4.23 19/5.02 7/1.85

UTS ergo XL-5 and XLT-5 with pull-out tray or bottom tray

Dimensions [mm]
[inch]

Width	Depth	Height
1400	493	631
55.12	19.41	24.84



UTS ergo XL-5



UTS ergo XLT-5

Max. volume of largest individual container [l]/[gal] 11/2.91 14/3.7

UTS ergo line® – Type 90, Depth 600 mm | 500 mm 23.63 inch | 19.96 inch

The safety storage cabinets in the UTS ergo line are the ideal solution for fire resistant storage of flammable liquids close to where they are needed – under the worktop. Configure your own custom storage solution from the various sizes and varied optional extras offered by the range.



UTS ergo ST -
Depth 600 mm/23.62 inch
UTS ergo ST-5 -
Depth 500 mm/19.96 inch



UTS ergo S -
Depth 600 mm/23.62 inch
UTS ergo S-5 -
Depth 500 mm/19.96 inch



UTS ergo MT -
Depth 600 mm/23.62 inch
UTS ergo MT-5 -
Depth 500 mm/19.96 inch



UTS ergo M -
Depth 600 mm/23.62 inch
UTS ergo M-5 -
Depth 500 mm/19.96 inch



UTS ergo LT -
Depth 600 mm/23.62 inch
UTS ergo LT-5 -
Depth 500 mm/19.96 inch



UTS ergo L -
Depth 600 mm/23.62 inch
UTS ergo L-5 -
Depth 500 mm/19.96 inch



UTS ergo LD -
Depth 600 mm/23.62 inch
UTS ergo LD-5 -
Depth 500 mm/19.96 inch



UTS ergo XLT -
Depth 600 mm/23.62 inch
UTS ergo XLT-5 -
Depth 500 mm/19.96 inch



UTS ergo XL -
Depth 600 mm/23.62 inch
UTS ergo XL-5 -
Depth 500 mm/19.96 inch



BENCH line – Type 90, Depth 600 mm 23.62 inch

1.5

The compact safety storage cabinets of the BENCH line are ideal for the fire-protected storage of larger containers of flammable liquids under the worktop. Attain maximum flexibility with the varied optional extras.



BENCH ST



BENCH S

Interior fittings:

- » Bottom trays and pull-out trays optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Wing doors, powder-coated sheet steel.
- » The doors are generally right-hinged for one-door cabinets. A left-hung door can be delivered on request for no additional charge.
- » Outer carcass, powder-coated sheet steel.
- » Inner carcass made of high-quality decor panels.

Colour standard version:

- » Wing doors in zinc yellow RAL 1018.
- » Carcass completely in light grey RAL 7035.
- » Base in slate grey RAL 7015.
- » Individual colours possible.

Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010

Ordering information



Ref. no.

Classical door technology
Push-to-open

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[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
Interior fitting	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo ST

with bottom tray

29-060667-001

29-060669-001

1 bottom tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

106
233.69

UTS ergo S

with pull-out tray

29-060667-003

29-060669-003

1 pull-out tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

110
242.51

45 spray cans
16 cans
20 glass lab bottles
7 glass lab bottles

38 spray cans
14 cans
7 glass lab bottles
7 glass lab bottles

29-10660-260

–

29-10660-314

29-10660-514

29-10660-084

29-10660-085

29-10900-011

29-10661-261

29-10661-119

29-10661-314

29-10661-514

29-10660-084

29-10660-085

29-10900-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.5

UTS ergo MT	UTS ergo M	UTS ergo LT	UTS ergo L
with bottom tray	with pull-out tray	with bottom tray	with pull-out tray

29-060967-001	29-060967-003	29-061167-001	29-061167-003
29-060969-001	29-060969-003	29-061169-001	29-061169-003

1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base
-------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------

Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
888 34.96	790 31.1	888 34.96	790 31.1	1100 43.31	1003 39.49	1100 43.31	1003 43.31
593 23.35	463 18.23	593 23.35	463 18.23	593 23.35	463 18.23	593 23.35	463 18.23
631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9
681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9
141 310.85		149 328.49		169 372.58		182 401.24	

74 spray cans 26 cans 31 glass lab bottles 13 glass lab bottles	61 spray cans 22 cans 25 glass lab bottles 9 glass lab bottles	94 spray cans 33 cans 40 glass lab bottles 18 glass lab bottles	82 spray cans 29 cans 34 glass lab bottles 15 glass lab bottles
--------------------------------------------------------------------------	-------------------------------------------------------------------------	--------------------------------------------------------------------------	--------------------------------------------------------------------------

29-10960-260	29-10961-261	29-11160-260	29-11161-261
–	29-10961-119	–	29-11161-119
29-10960-314	29-10961-314	29-11160-314	29-11161-314
29-10960-514	29-10961-514	29-11160-514	29-11161-514
29-10960-084	29-10960-084	29-11160-084	29-11160-084
29-10960-085	29-10960-085	29-11160-085	29-11160-085
29-10900-011	29-10900-011	29-11400-011	29-11400-011

Ordering information



Ref. no.

Classical door technology
Push-to-open

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[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
Interior fitting	Stainless steel
Pull-out tray	Sheet steel
Shelf	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo LD

with pull-out tray

29-061167-005

29-061169-005

2 pull-out trays,
2 perforated sheet inserts
and classical base 35 mm (1.38 inch)

Outer	Inner
1100 43.31	L: 490 R: 490 19.3 19.3
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

187
412.26

38/38	spray cans
14/14	cans
17/17	glass lab bottles
6/6	glass lab bottles

UTS ergo XLT

with bottom tray

29-061467-001

29-061469-001

2 bottom trays,
2 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3
593 23.35	463 18.23
631 24.84	480 18.9
681 26.81	480 18.9

220
485.02

74/44	spray cans
26/17	cans
31/20	glass lab bottles
13/8	glass lab bottles

29-11163-261	29-11460-260
L: 29-11163-119L R: 29-11163-119	–
–	–
L: 29-11163-314L R: 29-11163-314	L: 29-11460-314L R: 29-11460-314
29-11163-514	L: 29-11460-514L R: 29-11460-514
29-11160-084	29-11460-084
29-11160-085	29-11460-085
29-11400-011	29-11400-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



UTS ergo XL

with pull-out tray

29-061467-005

29-061469-005

2 pull-out trays,
2 perforated sheet inserts
and classical base 35 mm (1.38 inch)

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3

593 23.35	463 18.23
--------------	--------------

631 24.84	480 18.9
--------------	-------------

681 26.81	480 18.9
--------------	-------------

232 511.47

56/38 20/14 23/17 9/6	spray cans cans glass lab bottles glass lab bottles
--------------------------------	--------------------------------------------------------------

29-11463-261

L: 29-11463-119L
R: 29-11163-119

–

L: 29-11463-314L
R: 29-11163-314

L: 29-11463-514L
R: 29-11163-514

29-11460-084

29-11460-085

29-11400-011



BENCH ST

with bottom tray

29-080667-001

29-080669-001

1 bottom tray,
1 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
601 23.67	503 19.8

594 23.39	463 18.23
--------------	--------------

805 31.7	655 25.78
-------------	--------------

855 33.66	655 25.78
--------------	--------------

132 291.01

45 16 20 7	spray cans cans glass lab bottles glass lab bottles
---------------------	--------------------------------------------------------------

on request

–

29-20660-120

29-10660-314

29-10660-514

29-10660-084

29-10660-085

29-10900-011



BENCH S

with pull-out tray

29-080667-003

29-080669-003

1 pull-out tray,
1 perforated sheet insert and
classical base 35 mm (1.38 inch)

Outer	Inner
601 23.67	503 19.8

594 23.39	463 18.23
--------------	--------------

805 31.7	655 25.78
-------------	--------------

855 33.66	655 25.78
--------------	--------------

120 264.55

38 14 17 7	spray cans cans glass lab bottles glass lab bottles
---------------------	--------------------------------------------------------------

on request

29-20661-119

–

29-10661-314

29-10661-514

29-10660-084

29-10660-085

29-10900-011

1.5

Ordering information



Ref. no.

Classical door technology
Push-to-open

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[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
Interior fitting	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo ST-5

with bottom tray

29-060657-001

29-060659-001

1 bottom tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9
99 218.26	

UTS ergo S-5

with pull-out tray

29-060657-003

29-060659-003

1 pull-out tray,
1 perforated sheet insert and
classical 35 mm (1.38 inch) base

Outer	Inner
600 23.62	503 19.8
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9
101 222.67	

35 spray cans
13 cans
15 glass lab bottles
5 glass lab bottles

28 spray cans
9 cans
11 glass lab bottles
4 glass lab bottles

29-10650-260

–

29-10650-314

29-10650-514

29-10650-084

29-10650-085

29-10900-011

29-10651-261

29-10651-119

29-10651-314

29-10651-514

29-10650-084

29-10650-085

29-10900-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.5

UTS ergo MT-5		UTS ergo M-5		UTS ergo LT-5		UTS ergo L-5	
with bottom tray		with pull-out tray		with bottom tray		with pull-out tray	
29-060957-001		29-060957-003		29-061157-001		29-061157-003	
29-060959-001		29-060959-003		29-061159-001		29-061159-003	
1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 bottom tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base		1 pull-out tray, 1 perforated sheet insert and classical 35 mm (1.38 inch) base	
Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner
888 34.96	790 31.1	888 34.96	790 31.1	1100 43.31	1003 39.49	1100 43.31	1003 43.31
493 19.41	363 14.29	493 19.41	363 14.29	493 19.41	363 14.29	493 19.41	363 14.29
631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9	631 24.84	480 18.9
681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9	681 26.81	480 18.9
134 295.42		137 302.03		161 354.9		168 370.37	
56 spray cans 19 cans 24 glass lab bottles 10 glass lab bottles		45 spray cans 16 cans 21 glass lab bottles 7 glass lab bottles		70 spray cans 25 cans 31 glass lab bottles 12 glass lab bottles		61 spray cans 22 cans 29 glass lab bottles 10 glass lab bottles	
29-10950-260		29-10951-261		29-11150-260		29-11151-261	
–		29-10951-119		–		29-11151-119	
29-10950-314		29-10951-314		29-11150-314		29-11151-314	
29-10950-514		29-10951-514		29-11150-514		29-11151-514	
29-10950-084		29-10950-084		29-11150-084		29-11150-084	
29-10950-085		29-10950-085		29-11150-085		29-11150-085	
29-10900-011		29-10900-011		29-11400-011		29-11400-011	

Ordering information



Ref. no.

Classical door technology

Push-to-open

Details

Dimensions

Width	[mm] [inch]
Depth	[mm] [inch]
Height (classical)	[mm] [inch]
Height (ToeKick)	[mm] [inch]
Weight	[kg] [lbs]

Storage capacity/standing surface (approx. data)

Size (L/R)	[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
Interior fitting	Stainless steel
Pull-out tray	Sheet steel
Insert for pull-out tray/ bottom tray	PP
Anti-slip mat	Rubber
Classical base 85 mm/3.35 inch (instead of 35 mm/1.38 inch)	
ToeKick base 85 mm/3.35 inch	
Roller set	

UTS ergo LD-5

with pull-out tray

29-061157-005

29-061159-005

2 pull-out trays,
2 perforated sheet inserts
and classical 35 mm (1.38 inch) base

Outer	Inner
1100 43.31	L: 490 R: 490 19.3 19.3
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9

173
381.4

UTS ergo XLT-5

with bottom tray

29-061457-001

29-061459-001

2 bottom trays,
2 perforated sheet inserts and
classical 35 mm (1.38 inch) base

Outer	Inner
1400 55.12	L: 790 R: 490 31.1 19.3
493 19.41	363 14.29
631 24.84	480 18.9
681 26.81	480 18.9

211
465.18

26/26	spray cans
9/9	cans
11/11	glass lab bottles
4/4	glass lab bottles

56/35	spray cans
19/13	cans
24/15	glass lab bottles
10/5	glass lab bottles

29-11153-261

L: 29-11153-119L
R: 29-11153-119

L: 29-11153-314L
R: 29-11153-314

29-11153-514

29-11150-084

29-11150-085

29-11400-011

29-11450-260

–

L: 29-11450-314L
R: 29-11450-314

L: 29-11450-514L
R: 29-11450-514

29-11450-084

29-11450-085

29-11400-011

Other accessories on page 126. Other technical details and dimensions from page 128 onwards.



Tested safety at a very high level including:



DIN EN 14470-1
DIN EN 14727



1.5

UTS ergo XL-5

with pull-out tray

29-061457-005

29-061459-005

2 pull-out trays,
2 perforated sheet inserts and
classical 35 mm (1.38 inch) base

Outer

Inner

1400
55.12

L: 790 R: 490
31.1 19.3

493
19.41

363
14.29

631
24.84

480
18.9

681
26.81

480
18.9

223
491.63

42/26 spray cans
15/9 cans
20/11 glass lab bottles
6/4 glass lab bottles

29-11453-261

L: 29-11453-119L
R: 29-11153-119

L: 29-11453-314L
R: 29-11153-314

L: 29-11453-514L
R: 29-11153-514

29-11450-084

29-11450-085

29-11400-011

Accessories - varied and flexible

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



Exhaust air systems

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



Pipe penetration

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



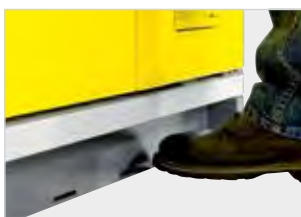
Earthing cables

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.



Anti-slip mat

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



ToeKick base

for ergonomic working. The user can easily use the worktop above the UTS ergo line and BENCH line, protecting their back (see additional interior fittings).



Roller set

The under-bench cabinet is optionally available with a roller set. This facilitates integration into existing equipment.



Transport trolley

in conductive design with antistatic rollers to safely transport hazardous substances.



VisiCon safety container

with integrated sight glass and measuring scale.



Accessories - UTS ergo line® BENCH line	Ref. no.
Locking systems:	
Cylinder lock	included
Lock with profile half-cylinde	on request
MPS-1 with automatic locking system	50-30000-920
Additional interior fittings	
Earthing cable with crocodile clip	1.806.63
Pipe penetration (reclosable)	on request
Pipe penetration	29-70000-048
Optional extras	
Transport trolley for flammable medi	7.02.100
Exhaust air system or ventilator	See programme section 7 or at www.dueperthal.com
Safety container	See programme section 8 or at www.dueperthal.com
Absorber	See programme section 10 or at www.dueperthal.com

Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

Max. container height [mm]
[inch]

Interior fittings		Interior fittings with additional pull-out tray	
Pull-out tray with perforated sheet insert	340 13.39	from pull-out tray with perforated sheet insert up to bottom edge of additional pull-out tray	190 7.48
Pull-out tray	404 15.91	from pull-out tray without perforated sheet insert up to bottom edge of additional pull-out tray	200 7.87
Bottom tray with perforated sheet insert	386 15.2	from addit. pull-out tray to cabinet roof	190 7.48
Bottom tray	450 17.72		

Technical details - UTS ergo line - Depth 600 mm/23.62 inch

Model size			ST	S	MT	M	LT	L	LD	XLT	XL
									left right	left right	left right
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg]	Bottom tray	60 132	–	60 132	–	60 132	–	–	60 60 132 132	–
	[lbs]	Pull-out tray	–	45 99	–	45 99	–	45 99	45 45 99 99	–	45 45 99 99
Maximum volume of the largest individual container which may be stored in the cabinet	[l] [gal]		12 3.2	10 2.6	19 5	16 4.2	24 6.3	21 5.5	10 10 2.6 2.6	19 12 5 3.2	15 10 3.9 2.6
Collection volume	[l] [gal]	Bottom tray	13.2 3.5	–	21.3 5.6	–	27.2 7.2	–	– –	21.3 13.2 5.6 3.5	– –
		Pull-out tray	–	11.3 3	–	18.1 4.8	–	23.9 6.3	11 2.9	– –	16.8 11 4.4 2.9
Base height (other base heights on request)	[mm]	with classical base	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4
	[inch]	with ToeKick base	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]		1.1 38.8	1.1 38.8	1.7 60	1.7 60	2.2 77.7	2.2 77.7	2.2 77.7	2.7 95.3	2.7 95.3
Pressure drop in the cabinet	[Pa] [Psi]		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

Dimensions – interior fittings [mm] - UTS ergo line - Depth 600 mm/23.62 inch

Model size	ST			S			MT			M			LT			L		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	–	–	–	427 16.8	432 16.7	101 3.9	–	–	–	677 26.7	432 16.7	101 3.9	–	–	–	892 35.1	432 16.7	101 3.9
Bottom tray	494 19.5	438 17.2	64 2.5	–	–	–	781 30.7	438 17.2	64 2.5	–	–	–	994 39.1	438 17.2	64 2.5	–	–	–
Perforated sheet insert	476 18.7	420 16.5	64 2.5	–	–	–	763 30	420 16.5	64 2.5	–	–	–	976 38.4	420 16.5	64 2.5	–	–	–
Perforated sheet insert/ pull-out tray	–	–	–	413 16.2	414 16.3	64 2.5	–	–	–	659 25.9	414 16.3	64 2.5	–	–	–	847 33.3	414 16.3	64 2.5

Dimensions – interior fittings [mm] - UTS ergo line - Depth 600 mm/23.62 inch

Model size	LD			XLT left right			XL left right		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	416 16.4	432 16.7	101 3.9	–	–	–	631 416 24.8 16.4	432 432 16.7 16.7	101 101 3.9 3.9
Bottom tray	–	–	–	781 485 30.7 19.1	438 438 17.2 17.2	64 64 2.5 2.5	–	–	–
Perforated sheet insert	–	–	–	763 467 30 18.4	420 420 16.5 16.5	64 64 2.5 2.5	–	–	–
Perforated sheet insert/ pull-out tray	398 15.7	414 16.3	64 2.5	–	–	–	613 398 24.1 15.7	414 414 16.3 16.3	64 64 2.5 2.5

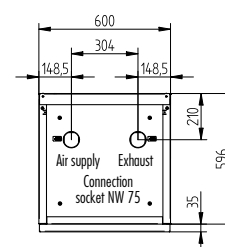
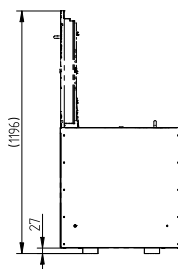
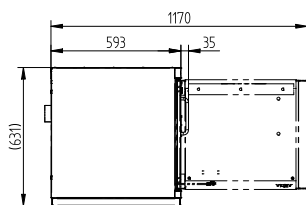


Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

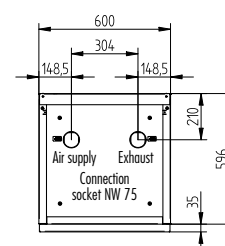
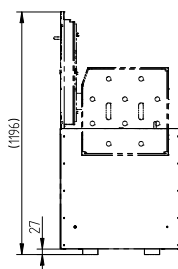
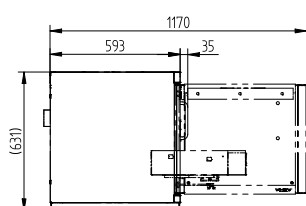
1.5

Side view	Top view	Rear view
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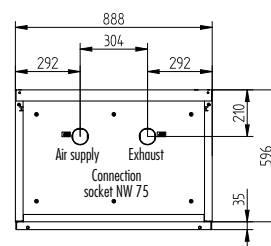
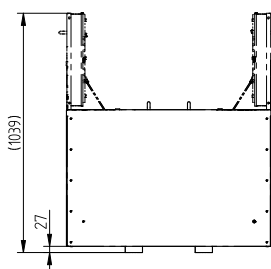
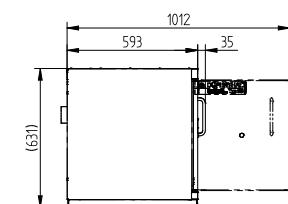
UTS ergo ST



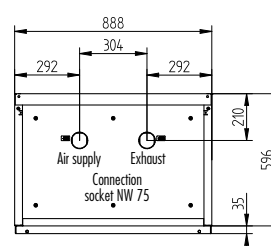
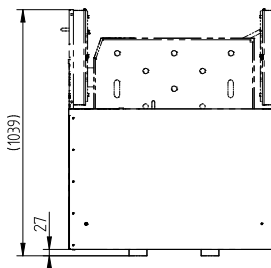
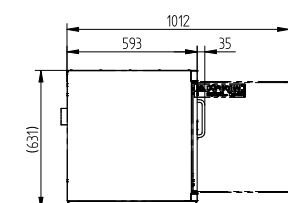
UTS ergo S



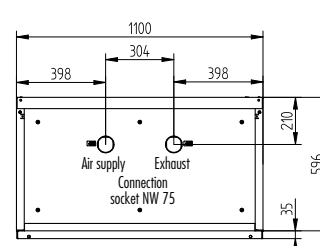
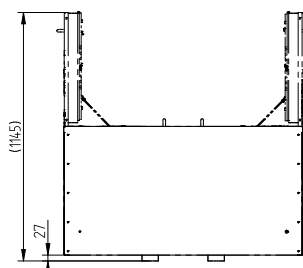
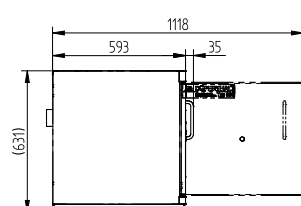
UTS ergo MT



UTS ergo M



UTS ergo LT



Tech specs UTS ergo line® – Depth 600 mm/23.62 inch

Side view	Top view	Rear view
UTS ergo L		
UTS ergo LD		
UTS ergo XLT		
UTS ergo XL		



Tech specs UTS ergo line® – Depth 500 mm/19.69 inch

Max. container height [mm]
[inch]

Interior fittings	
Pull-out tray with perforated sheet insert	340 13.39
Pull-out tray	404 15.91
Bottom tray with perforated sheet insert	386 15.2
Bottom tray	450 17.72

Interior fittings with additional pull-out tray

from pull-out tray with perforated sheet insert up to bottom edge of additional pull-out tray	190 7.48
from pull-out tray without perforated sheet insert up to bottom edge of additional pull-out tray	200 7.87
from addit. pull-out tray to cabinet roof	190 7.48

1.5

Technical details - UTS ergo line - Depth 500 mm/19.69 inch

Model size			ST-5	S-5	MT-5	M-5	LT-5	L-5	LD-5	XLT-5	XL-5
									left right	left right	left right
Load bearing capacity with uniformly distributed load (maximum load capacity/shelf)	[kg] [lbs]	Bottom tray	60 132	–	60 132	–	60 132	–	–	60 60 132 132	–
		Pull-out tray	–	40 88	–	40 88	–	40 88	40 40 88 88	–	40 40 88 88
Maximum volume of the largest individual container which may be stored in the cabinet	[l] [gal]		9 2.4	8 2.1	14 3.7	12 3.2	19 5	16 4.2	7 7 1.8 1.8	14 9 3.7 2.4	11 7 2.9 1.8
Collection volume	[l] [gal]	Bottom tray	10.4 2.7	–	16.4 4.3	–	20.9 5.5	–	– –	16.4 10.2 4.3 2.6	– –
		Pull-out tray	–	8.9 2.3	–	13.9 3.6	–	18.3 4.8	8.4 2.2	– –	12.9 8.4 3.4 2.2
Base height (other base heights on request)	[mm] [inch]	with classical base	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4	35 1.4
		with ToeKick base	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35	85 3.35
Volumetric flow rate with 10-fold air exchange	approx. [m³/h] approx. [cubic ft/h]		0.9 31.7	0.9 31.7	1.4 49.4	1.4 49.4	1.7 60	1.7 60	1.7 60	2.2 77.6	2.2 77.6
Pressure drop in the cabinet	[Pa] [Psi]		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1

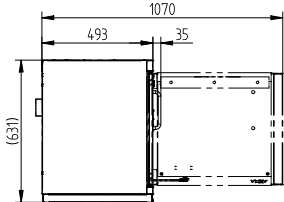
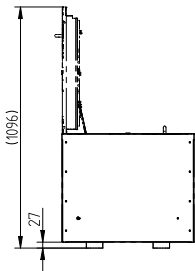
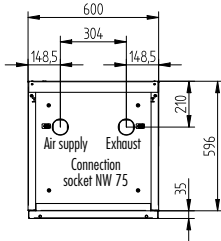
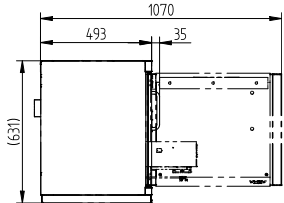
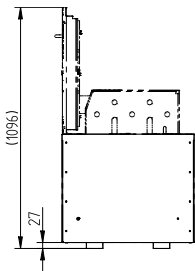
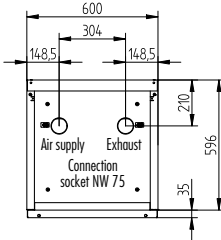
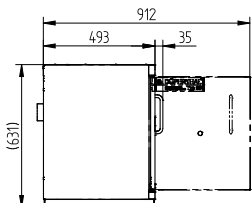
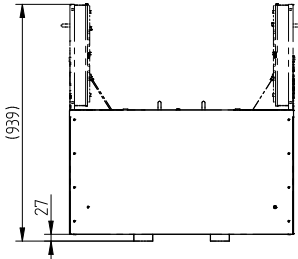
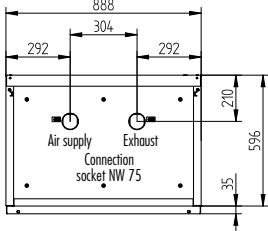
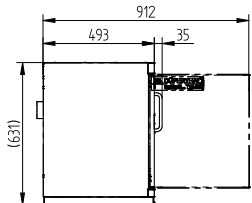
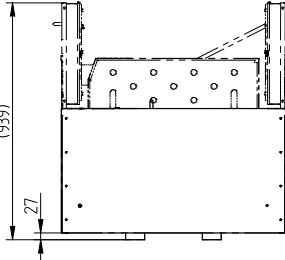
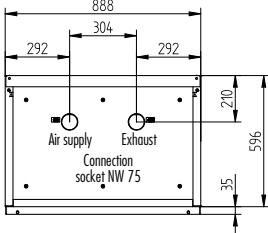
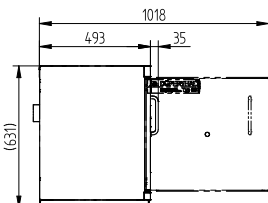
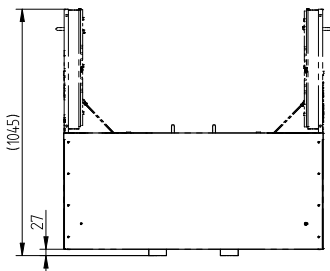
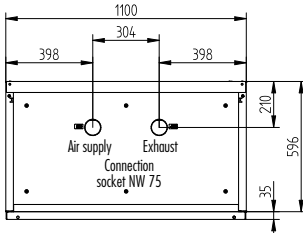
Dimensions – interior fittings [mm] - UTS ergo line - Depth 500 mm/19.69 inch

Model size	ST-5			S-5			MT-5			M-5			LT-5			L-5		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	–	–	–	427 16.8	332 13.1	101 3.9	–	–	–	677 26.7	332 13.1	101 3.9	–	–	–	892 35.1	332 13.1	101 3.9
Bottom tray	494 19.4	338 13.3	64 2.5	–	–	–	781 30.7	338 13.3	64 2.5	–	–	–	994 39.1	338 13.3	64 2.5	–	–	–
Perforated sheet insert	476 18.7	320 12.6	64 2.5	–	–	–	763 30	320 12.6	64 2.5	–	–	–	976 38.4	320 12.6	64 2.5	–	–	–
Perforated sheet insert/ pull-out tray	–	–	–	413 16.2	314 12.4	64 2.5	–	–	–	659 25.9	314 12.4	64 2.5	–	–	–	847 33.3	314 12.4	64 2.5

Dimensions – interior fittings [mm] - UTS ergo line - Depth 500 mm/19.69 inch

Model size	LD-5			XLT-5 left right			XL-5 left right		
	Width	Depth	Height	Width	Depth	Height	Width	Depth	Height
Pull-out tray	416 16.4	332 13.1	101 3.9	–	–	–	631 416 24.8 16.4	332 332 13.1 13.1	101 101 3.9 3.9
Bottom tray	–	–	–	781 485 30.7 19.1	338 338 13.3 13.3	64 64 2.5 2.5	–	–	–
Perforated sheet insert	–	–	–	763 467 30 18.4	320 320 12.6 12.6	64 64 2.5 2.5	–	–	–
Perforated sheet insert/ pull-out tray	398 15.7	314 12.4	64 2.5	–	–	–	613 398 24.1 15.7	314 314 12.4 12.4	64 64 2.5 2.5

Tech specs UTS ergo line® – Depth 500 mm/19.69 inch

Side view	Top view	Rear view
UTS ergo ST-5		
		
UTS ergo S-5		
		
UTS ergo MT-5		
		
UTS ergo M-5		
		
UTS ergo LT-5		
		



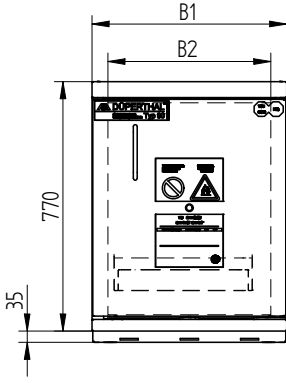
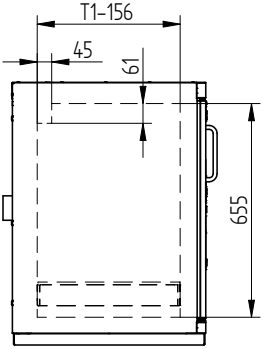
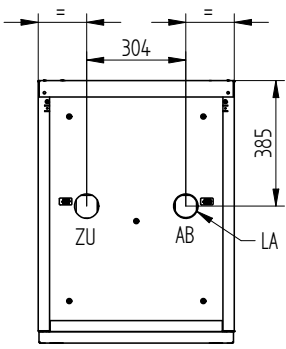
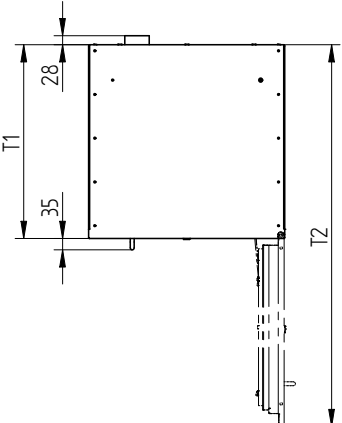
Tech specs UTS ergo line® – Depth 500 mm/19.69 inch

1.5

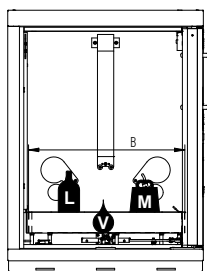
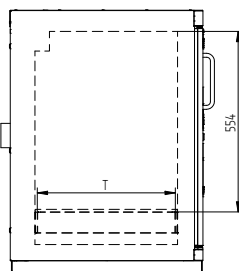
Side view	Top view	Rear view
UTS ergo L-5		
UTS ergo LD-5		
UTS ergo XLT-5		
UTS ergo XL-5		

Tech specs BENCH line – ST

Technical details - BENCH line ST

Front view	Side view	Rear view																														
																																
Top view	<table><tr><th>Model size</th><th>ST</th><th>ST-5</th></tr><tr><td>B1</td><td>[mm] 601</td><td>601</td></tr><tr><td></td><td>[inch] 23.66</td><td>23.66</td></tr><tr><td>B2</td><td>[mm] 503</td><td>503</td></tr><tr><td></td><td>[inch] 19.8</td><td>19.8</td></tr><tr><td>T1</td><td>[mm] 594</td><td>494</td></tr><tr><td></td><td>[inch] 23.39</td><td>19.45</td></tr><tr><td>T2</td><td>[mm] 1170</td><td>1070</td></tr><tr><td></td><td>[inch] 46.06</td><td>42.13</td></tr><tr><td>Doors</td><td>1</td><td>1</td></tr></table> <p>LA: Connection socket NW 75 (2.95) AB: Exhaust air connection ZU: Air supply</p>		Model size	ST	ST-5	B1	[mm] 601	601		[inch] 23.66	23.66	B2	[mm] 503	503		[inch] 19.8	19.8	T1	[mm] 594	494		[inch] 23.39	19.45	T2	[mm] 1170	1070		[inch] 46.06	42.13	Doors	1	1
Model size	ST	ST-5																														
B1	[mm] 601	601																														
	[inch] 23.66	23.66																														
B2	[mm] 503	503																														
	[inch] 19.8	19.8																														
T1	[mm] 594	494																														
	[inch] 23.39	19.45																														
T2	[mm] 1170	1070																														
	[inch] 46.06	42.13																														
Doors	1	1																														
																																

Dimensions | adjustable heights - BENCH line ST

Front view	Side view	Model size	ST	ST-5
		B	[mm] 480	480
			[inch] 18.9	18.9
		T	[mm] 424	324
			[inch] 16.7	12.76
		M	[kg] 60	60
			[lbs] 132.28	132.28
		L	[l] 12	9
			[gal] 3.17	2.38
		V	[l] 13.2	10.4
			[gal] 3.49	2.75
		Tare weight	[kg] 111	104
			[lbs] 244.71	229.28
		Max. additional load	[kg] 60	60
			[lbs] 132.28	132.28

B: Inner width of standing surface, in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity (uniformly distributed), in kilograms.
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres



Tech specs BENCH line – S

Technical details - BENCH line S

Front view

Side view

Rear view

Top view

Model size

S

S-5

B1	[mm] [inch]	601 23.66	601 23.66
B2	[mm] [inch]	503 19.8	503 19.8
T1	[mm] [inch]	594 23.39	494 19.45
T2	[mm] [inch]	1170 46.06	1070 42.13
Doors		1	1

LA: Connection socket NW 75 (2.95)
 AB: Exhaust air connection
 ZU: Air supply

1.5

Dimensions | adjustable heights - BENCH line S

Front view	Side view	Model size	S	S-5
		B	[mm] [inch]	403 15.87
		T	[mm] [inch]	418 16.46
		M	[kg] [lbs]	45 99.21
		L	[l] [gal]	10 2.64
		V	[l] [gal]	11.3 2.99
		Tare weight	[kg] [lbs]	134 295.42
		Max. additional load	[kg] [lbs]	45 99.21

B: Inner width of standing surface, in millimetres
T: Inner depth of standing surface, in millimetres
M: Load bearing capacity (uniformly distributed), in kilograms.
L: Maximum volume of the largest individual container, in litres
V: Max. collection volume, in litres

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 year 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



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 label
- » 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	3. Access route/transport route outside the building
Customer	3.1 Is access possible with a 26 t truck, min. dimensions 3 x 12 x 4 m (W x L x H)?
Customer no.:	<input type="checkbox"/> Yes, road width approx. W _____ x H _____ m <input type="checkbox"/> no
Company:	<input type="checkbox"/> Roofing – max. clearance height only _____ m
Post code/city:	<input type="checkbox"/> Bridge – max. clearance height _____ m
Name:	<input type="checkbox"/> Blocked, because _____
Phone:	<input type="checkbox"/> Route not suitable, because _____
Department:	3.2 Distance to the building? _____ m
PO no:	3.3 Road surface?
Order no:	3.4 Pedestrian zone <input type="checkbox"/> yes <input type="checkbox"/> no. Delivery time from _____ to _____
Delivery address	3.5 At ground level <input type="checkbox"/> yes <input type="checkbox"/> no
Company:	3.5 Steps into the building <input type="checkbox"/> yes, _____ steps <input type="checkbox"/> no
Contact person on site:	3.6 Loading ramp available <input type="checkbox"/> yes <input type="checkbox"/> no
Phone:	3.7 Can the truck bridge the steps by means of its rear lifting platform? <input type="checkbox"/> yes <input type="checkbox"/> no
Street:	3.8 Parking facilities <input type="checkbox"/> yes <input type="checkbox"/> no
Post code/city:	3.9 Forklift truck & driver available <input type="checkbox"/> yes <input type="checkbox"/> no
Cabinet model:	3.10 Best access route by road?
Dimensions: (W x D x H in mm)	4. Transport route inside the building
Weight: (in kg)	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
2. Installation location and delivery date	4.2 Installation location on ground floor <input type="checkbox"/> yes <input type="checkbox"/> no
2.1 When will the rooms/ transport routes be ready for use? (This includes all lifts, staircases, corridors on the way)	4.3 Installation location in basement/on upper floor <input type="checkbox"/> yes, _____ floor
2.2 Delivery possible from _____ to _____	5. Lift
2.3 Installation location (building, room):	5.1 Lift available? <input type="checkbox"/> yes <input type="checkbox"/> no
2.4 Person to be notified by phone:	5.2 Lift usable? <input type="checkbox"/> yes <input type="checkbox"/> no
2.5 Phone:	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

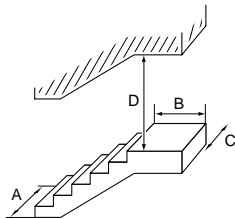
C = Landing width = _____ cm

D = Lintel height = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



☐ Version 2

A = Stair width = _____ cm

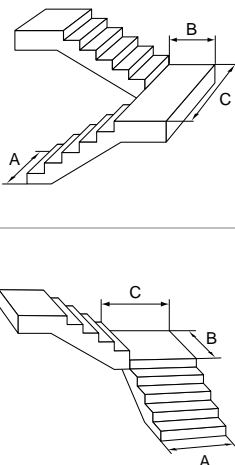
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



☐ Version 3

A = Stair width = _____ cm

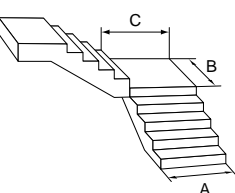
B = Landing depth = _____ cm

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

Offering you a personal service

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: info@dueperthal.com

Your contact person – for all other countries

Phone: +49 6188 9139-150

E-mail: info@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

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	[Celsius]	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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