

PREMIUM line

Safety storage cabinets in modern design



Type 90

Safety storage cabinets
with folding doors

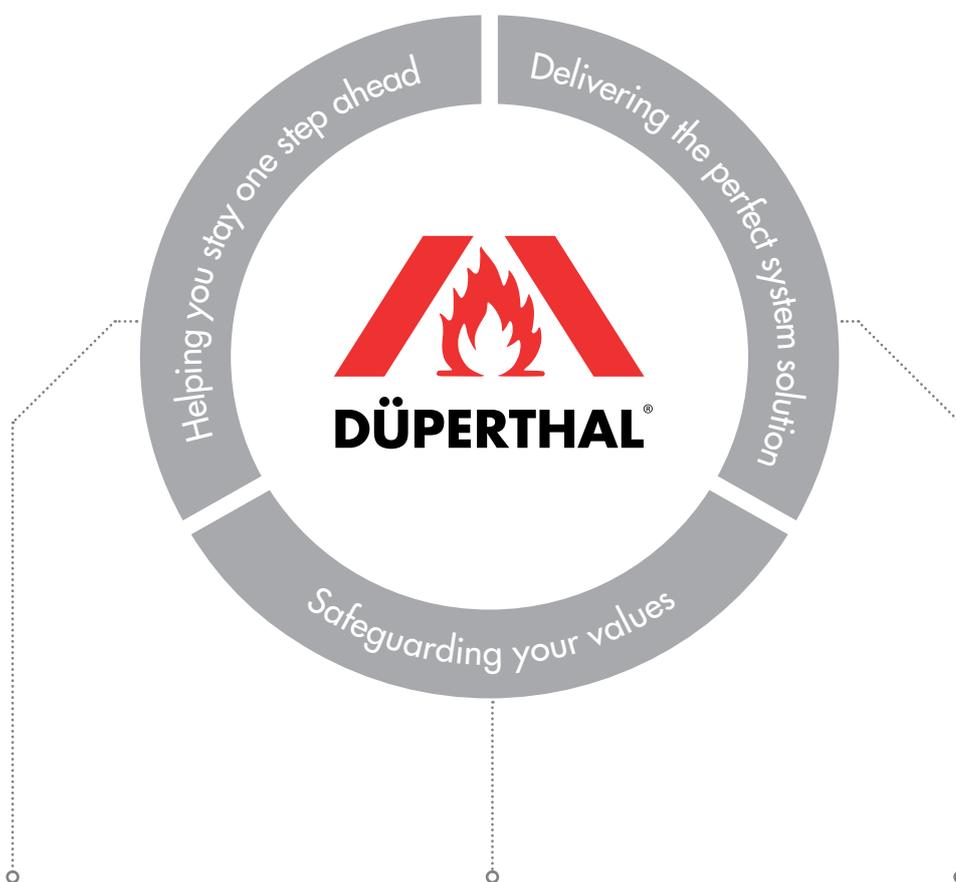
DÜPERTHAL – constant reassurance





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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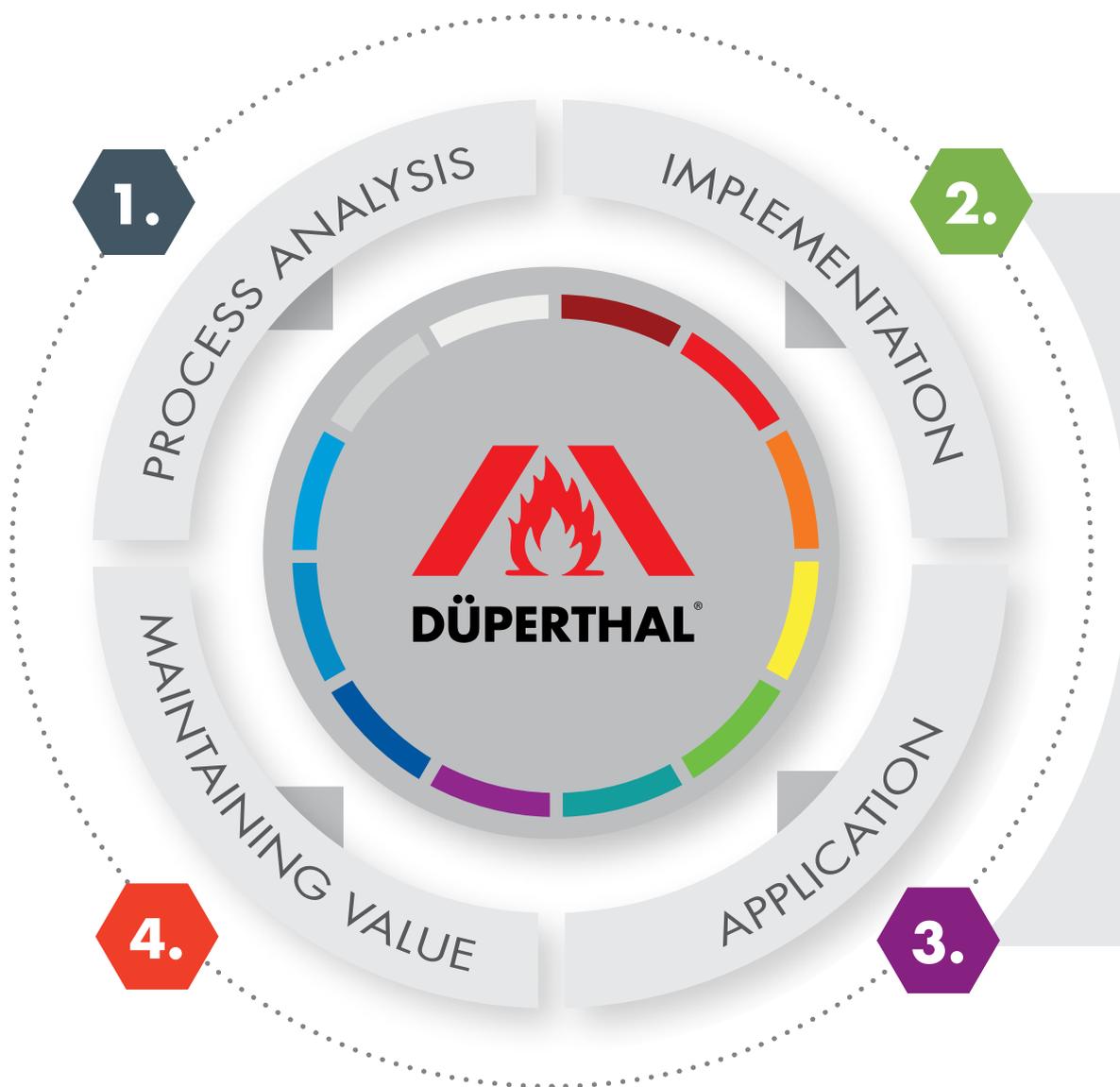
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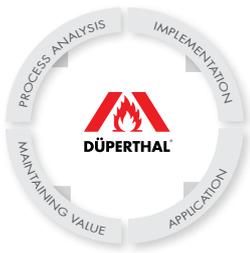
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From the process to realisation: We go with you

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.



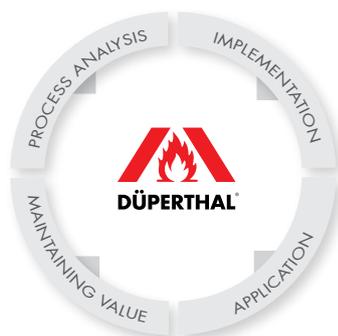
Project support on site

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

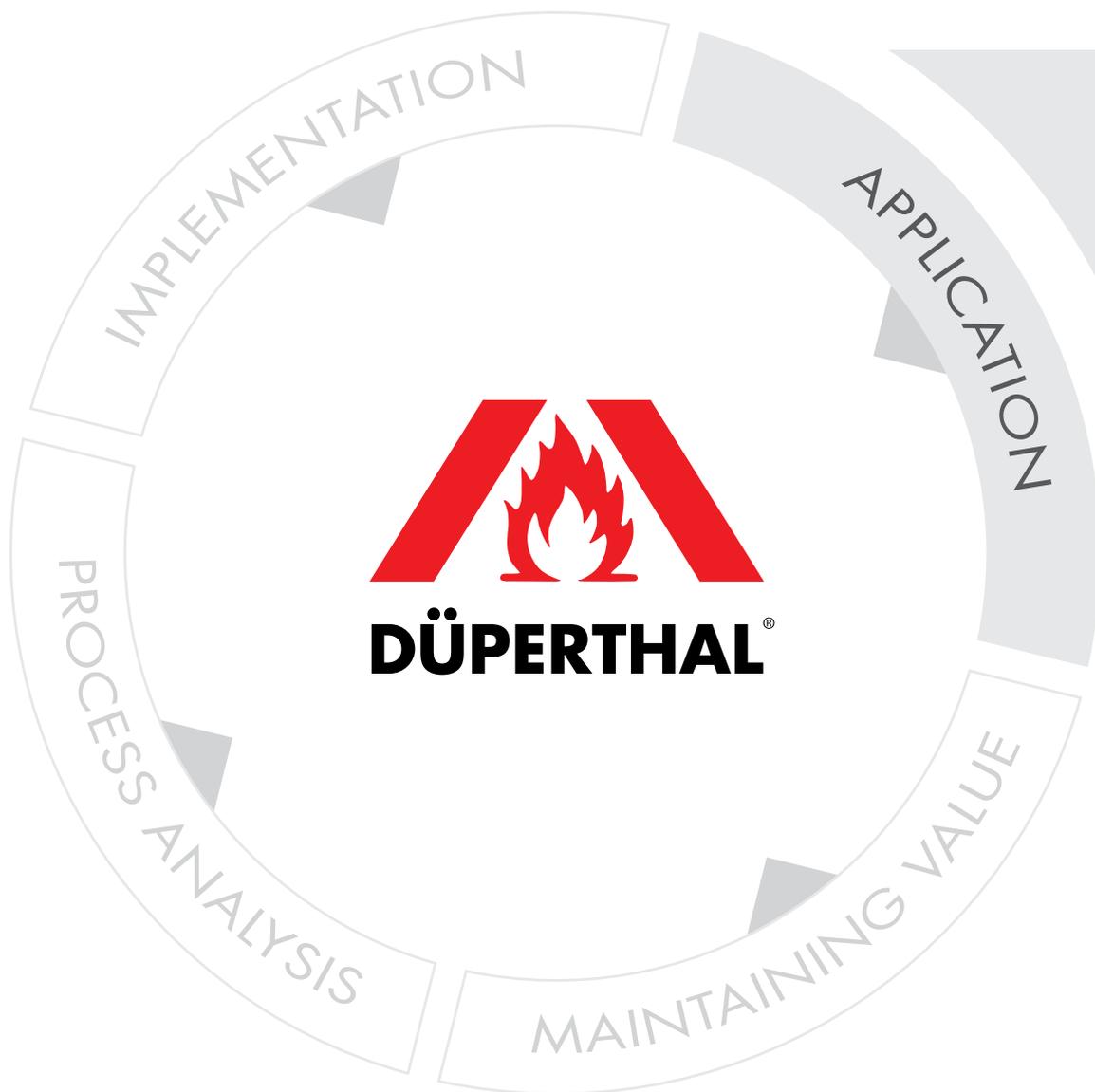


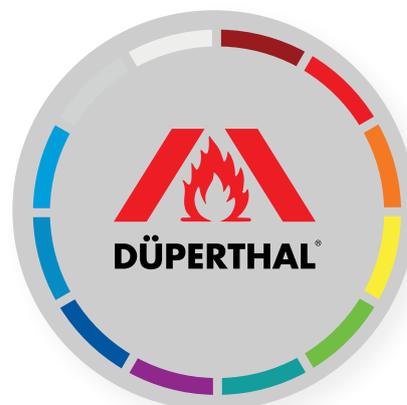
Permanent service agreement with regular maintenance and service

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.



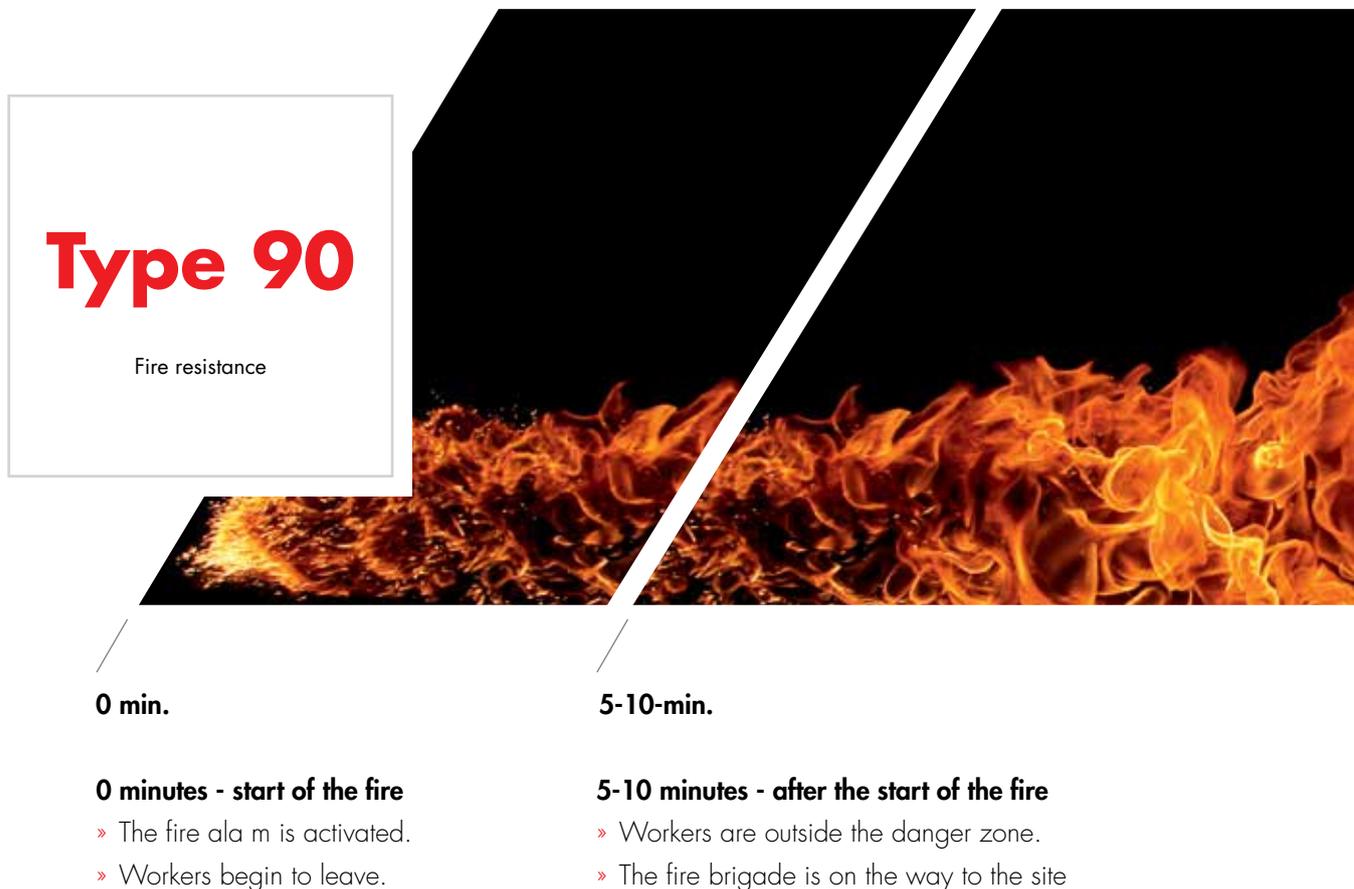
3. Disposal

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)

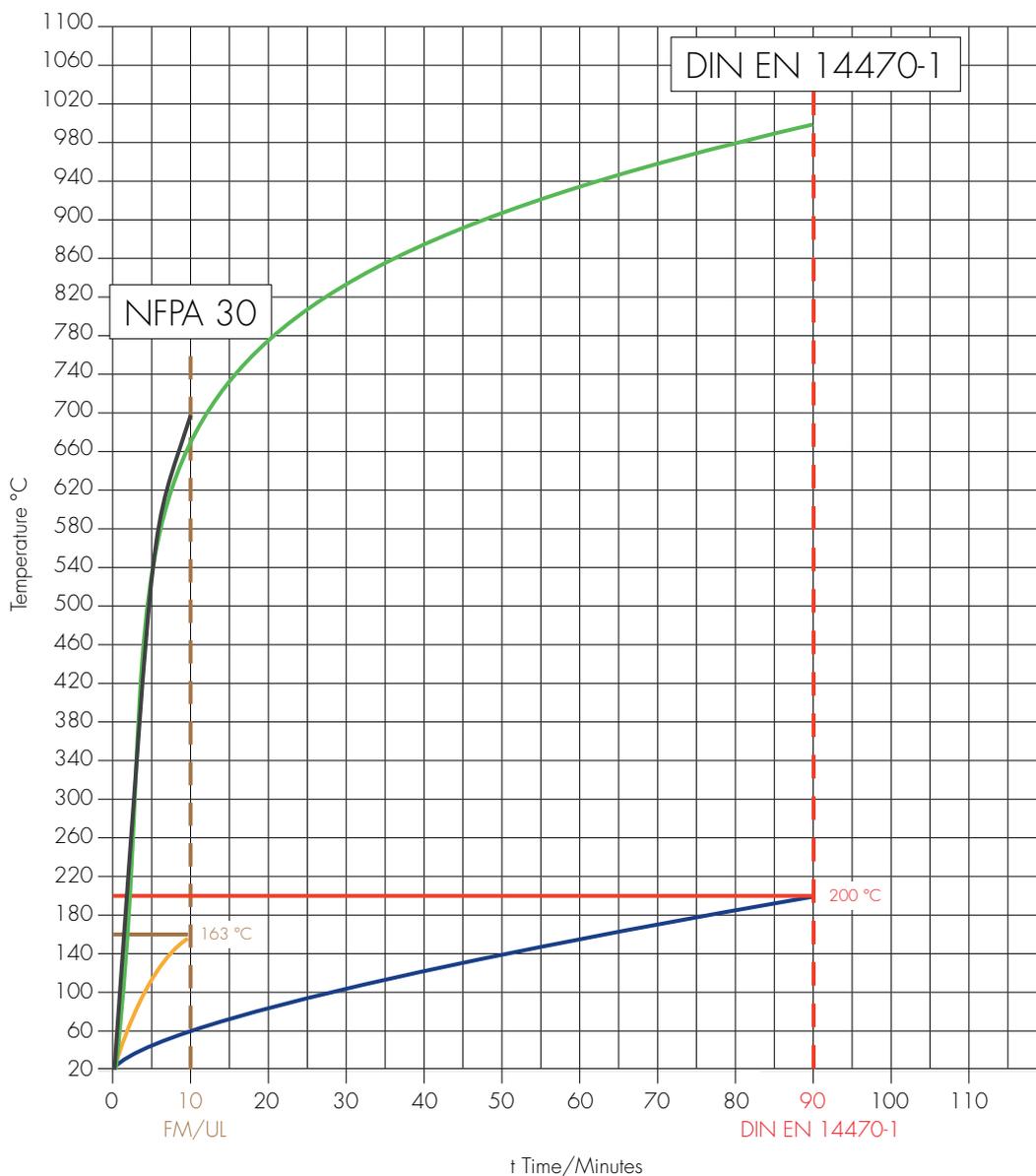
Cost of purchasing a
safety storage cabinet
tested fire resistance

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, NFWA 30

- Maximum allowed temperature in the cabinet in acc. with FM/UL = 163 °C (325 °F).
- Temperature profile in accordance with NFWA 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.

ORIGINAL
DÜPERTHAL



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

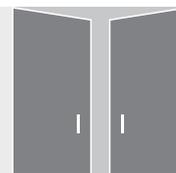
COMFORT line



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

PREMIUM line 1.2



Safety storage cabinets with folding door technology



Your added advantage with the PREMIUM line!

» Health

Ventilation on each cabinet level provides optimised air exchange.

» Safety

Space-saving folding doors for more free moving space, in case of fire with automatic closing of the doors

» Working safety

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



PREMIUM line in detail

Discover the space-saving solution for the storage of flammable liquids, the PREMIUM line by DÜPE THAL, with 90 minutes of fire protection. Experience the versatility and the comfort offered by the PREMIUM line.

1.2



1 Easy-moving folding door technology

The easy-moving folding doors can be opened easily with a minimum amount of effort using a single handle and they are very space-saving. Thus they are appropriate for smaller or confined labs.

2 Storage shelves

Storage shelves offer the largest storage capacity and ideal use of space due to their height adjustment at a pitch of 16 mm (0.63 inch).

3 Pull-out shelves

Containers can be safely stored with both hands due to the easy-moving pull-out shelves.

4 Double pull-out stop (patented)

A double pull-out stop prevents several pull-out shelves from being pulled out at the same time.

5 Self-closing in case of fire

The closure control system guarantees that in case of fire the pull-out shelves are retracted and only then are the doors closed.

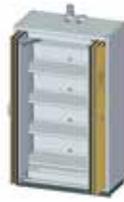
6 Vario shelves

The vario shelves are ideal for the storage of small containers and have height adjustment in the 64 mm pitch. When the doors are being opened, the containers swivel down ready to be grabbed.

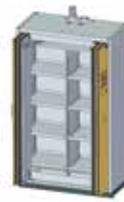
PREMIUM line Type 90 at a glance

PREMIUM standard XL with storage shelves or storage shelves and centre partition wall

	Dimensions [mm]		
	[inch]		
	Width	Depth	Height
PREMIUM standard XL 1-2	1194	597	2077
	47	23.5	81.77



PREMIUM standard XL - V1



PREMIUM standard XL - V2

Max. volume of largest individual container [l]/[gal]	30/7.93	15/3.96
---	---------	---------

PREMIUM standard M, ML with storage shelves

	Dimensions [mm]		
	[inch]		
	Width	Depth	Height
PREMIUM standard M	594	597	2077
	23.39	23.5	81.77
PREMIUM standard ML	594	747	2077
	23.39	29.41	81.77



PREMIUM standard M



PREMIUM standard ML

Max. volume of largest individual container [l]/[gal]	10/2.64	15/3.96
---	---------	---------

PREMIUM pro XL with pull-out shelves

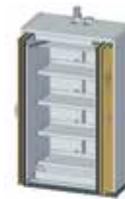
	Dimensions [mm]		
	[inch]		
	Width	Depth	Height
PREMIUM pro XL 1-4	1194	597	2077
	47	23.5	81.77



PREMIUM pro XL - V1



PREMIUM pro XL - V2



PREMIUM pro XL - V3



PREMIUM pro XL - V4

Max. volume of largest individual container [l]/[gal]	25/6.6	25/6.6	25/6.6	25/6.6
---	--------	--------	--------	--------

PREMIUM pro XL with pull-out shelves and centre partition wall

	Dimensions [mm]		
	[inch]		
	Width	Depth	Height
PREMIUM pro XL 5-8	1194	597	2077
	47	23.5	81.77



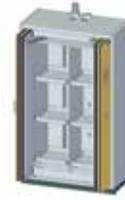
PREMIUM pro XL - V5



PREMIUM pro XL - V6



PREMIUM pro XL - V7



PREMIUM pro XL - V8

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



PREMIUM pro ML with pull-out shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM pro ML 1-4	594 23.39	747 29.41	2077 81.77



PREMIUM pro
ML - V1



PREMIUM pro
ML - V2



PREMIUM pro
ML - V3



PREMIUM pro
ML - V4

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

1.2

PREMIUM pro M with pull-out shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM pro M 1-4	594 23.39	597 23.5	2077 81.77



PREMIUM pro
M - V1



PREMIUM pro
M - V2



PREMIUM pro
M - V3



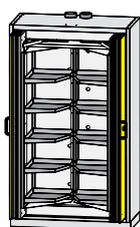
PREMIUM pro
M - V4

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

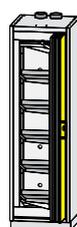
PREMIUM vario XL and M with vario shelves

Dimensions [mm]
[inch]

	Width	Depth	Height
PREMIUM vario XL	1195 47.04	595 23.43	2080 81.88
PREMIUM vario M	595 23.43	595 23.43	2080 81.88



PREMIUM vario
XL



PREMIUM vario
M

Max. volume of largest individual container [l]/[gal]	4.3/1.14	4.3/1.14
--	----------	----------

PREMIUM standard – Type 90

Discover the space-saving solution for the storage of large quantities of flammable liquids, the PREMIUM standard by DÜPERTHAL, with 90 minutes of fire protection. Experience the versatility and the comfort offered by the PREMIUM standard.



PREMIUM standard XL - V1



PREMIUM standard XL - V2



PREMIUM standard M



PREMIUM standard ML

PREMIUM vario – Type 90

The cabinets in the PREMIUM vario Type 90 version are especially suitable for the storage of flammable hazardous substances in smaller containers. In this model, when the easy-moving doors are opened, the containers swivel towards you ready to be grasped.



PREMIUM vario XL



PREMIUM vario M



PREMIUM pro – Type 90

The PREMIUM pro type cabinets are the comfortable solution for the storage of several types of container. This is because the easy-moving pull-out shelves with double pull-out stop guarantee a simple and safe access to the contents of the cabinet.

1.2



PREMIUM pro XL – V1



PREMIUM pro M – V1



PREMIUM pro ML – V2

Interior fittings:

- » Storage shelves, pull-out shelves, vario shelves and bottom trays, optionally made of powder-coated sheet steel or stainless steel.

Construction:

- » Folding doors of powder-coated sheet steel, with cascade construction.
- » 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.
- » Individual colours possible.
- » Base in slate grey RAL 7015.

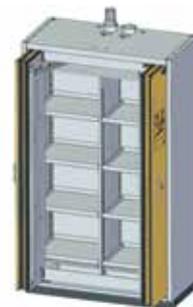
Golden yellow
RAL 1004

Light grey
RAL 7035

Zinc yellow
RAL 1018

Pure white
RAL 9010

Ordering information



PREMIUM standard XL - V1

with storage shelves

PREMIUM standard XL - V2

with storage shelves and centre partition wall

Ref. no.

with classical folding door technology

29-201262-030

29-201262-032

Details

4 storage shelves, 1 bottom tray and base

2x 4 storage shelves, 2 bottom trays, centre partition wall and base

Dimensions

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

1194 x 597 x 2077
47 x 23.5 x 81.77

1194 x 597 x 2077
47 x 23.5 x 81.77

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

1098 x 468 x 1655
43.23 x 18.43 x 65.16

1098 x 468 x 1655
43.23 x 18.43 x 65.16

Weight [kg]
[lbs]

496
1093.5

505
1113.33

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]

105 spray cans
38 cans
45 glass lab bottles
19 glass lab bottles

52 spray cans
19 cans
22 glass lab bottles
9 glass lab bottles

Ref. no.

Additional interior fittings Material

Interior fitting Stainless steel

on request

on request

Storage shelf Sheet steel

29-51267-013

29-51267-015

Storage shelf Stainless steel

on request

on request

Insert for storage shelf PP

29-51267-323

29-51267-325

Anti-slip mat Rubber

29-51267-533

29-51267-535

Locker (door hung left)

on request

on request

Locker (door hung right)

on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



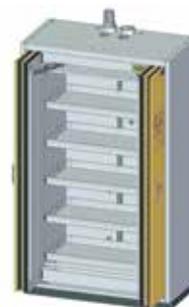
Tested safety at a very high level including:



1.2

PREMIUM standard ML	PREMIUM standard M
with storage shelves Special depth 750 mm/29.53 inch	with storage shelves
29-200672-030	29-200662-030
4 storage shelves, 1 bottom tray and base	4 storage shelves, 1 bottom tray and base
594 x 747 x 2077 23.39 x 29.41 x 81.77	594 x 597 x 2077 23.39 x 23.5 x 81.77
498 x 618 x 1655 19.6 x 24.33 x 65.12	498 x 468 x 1655 19.6 x 18.43 x 65.12
357 787.1	297 654.77
64 spray cans 23 cans 27 glass lab bottles 11 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles
on request	on request
29-50677-013	29-50667-013
on request	on request
29-50677-323	29-50677-323
29-50677-533	29-50667-533
on request	on request
on request	on request

Ordering information



Ref. no.

with classical folding door technology

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

Interior fitting	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM pro XL – V1

with pull-out shelves

29-201262-053

6 pull-out shelves, 1 bottom tray
and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

528
1164.04

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

PREMIUM pro XL – V2

with pull-out shelves

29-201262-052

5 pull-out shelves, 1 bottom tray
and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

528
1164.04

77 spray cans
29 cans
35 glass lab bottles
14 glass lab bottles

on request

29-51262-327

29-50000-001

29-51262-537

on request

on request

on request

29-51262-327

29-50000-001

29-51262-537

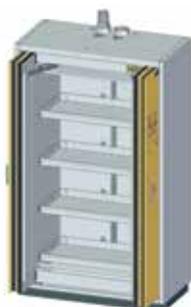
on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2

PREMIUM pro XL – V3	PREMIUM pro XL – V4
With pull-out shelves	with pull-out shelves
29-201262-051	29-201262-050
4 pull-out shelves, 1 bottom tray and base	3 pull-out shelves, 1 bottom tray and base
1194 x 597 x 2077 47 x 23.5 x 81.77	1194 x 597 x 2077 47 x 23.5 x 81.77
1098 x 468 x 1655 43.23 x 18.43 x 65.16	1098 x 468 x 1655 43.23 x 18.43 x 65.16
528 1164.04	528 1164.04
77 spray cans 29 cans 35 glass lab bottles 14 glass lab bottles	77 spray cans 29 cans 35 glass lab bottles 14 glass lab bottles
on request	on request
29-51262-327	29-51262-327
29-50000-001	29-50000-001
29-51262-537	29-51262-537
on request	on request
on request	on request

Ordering information



Ref. no.

with classical folding door technology

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

Interior fitting	Stainless steel
Tray insert	PP
Label holder	
Anti-slip mat for pull-out shelf	Rubber
Locker (door hung left)	
Locker (door hung right)	

PREMIUM pro XL – V5

with pull-out shelves
and centre partition wall

29-201262-059

2x 6 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

600
1322.77

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

PREMIUM pro XL – V6

with pull-out shelves
and centre partition wall

29-201262-058

2x 5 pull-out shelves, 2 bottom trays,
centre partition wall and base

1194 x 597 x 2077
47 x 23.5 x 81.77

1098 x 468 x 1655
43.23 x 18.43 x 65.16

600
1322.77

37 spray cans
13 cans
16 glass lab bottles
6 glass lab bottles

on request

29-51262-329

29-50000-001

29-51262-539

on request

on request

on request

29-51262-329

29-50000-001

29-51262-539

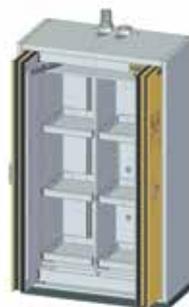
on request

on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2

PREMIUM pro XL – V7	PREMIUM pro XL – V8
with pull-out shelves and centre partition wall	with pull-out shelves and centre partition wall
29-201262-057	29-201262-056
2x 4 pull-out shelves, 2 bottom trays, centre partition wall and base	2x 3 pull-out shelves, 2 bottom trays, centre partition wall and base
1194 x 597 x 2077 47 x 23.5 x 81.77	1194 x 597 x 2077 47 x 23.5 x 81.77
1098 x 468 x 1655 43.23 x 18.43 x 65.16	1098 x 468 x 1655 43.23 x 18.43 x 65.16
600 1322.77	600 1322.77
37 spray cans 13 cans 16 glass lab bottles 6 glass lab bottles	37 spray cans 13 cans 16 glass lab bottles 6 glass lab bottles
on request	on request
29-51262-329	29-51262-329
29-50000-001	29-50000-001
29-51262-539	29-51262-539
on request	on request
on request	on request

Ordering information



		PREMIUM pro ML – V1	PREMIUM pro ML – V2	PREMIUM pro ML – V3
		with pull-out shelves special depth 747 mm/29.41 inch	with pull-out shelves special depth 747 mm/29.41 inch	with pull-out shelves special depth 747 mm/29.41 inch
Ref. no.				
with classical folding door technology		29-200672-053	29-200672-052	29-200672-051
Details				
		6 pull-out shelves, 1 bottom tray and base	5 pull-out shelves, 1 bottom tray and base	4 pull-out shelves, 1 bottom tray and base
Dimensions				
Outer (width x depth x height)	[mm] [inch]	594 x 747 x 2077 23.39 x 29.41 x 81.77	594 x 747 x 2077 23.39 x 29.41 x 81.77	594 x 747 x 2077 23.39 x 29.41 x 81.77
Inner (width x depth x height)	[mm] [inch]	498 x 618 x 1655 19.6 x 24.33 x 65.16	498 x 618 x 1655 19.6 x 24.33 x 65.16	498 x 618 x 1655 19.6 x 24.33 x 65.16
Weight	[kg] [lbs]	389 857.6	389 857.6	389 857.6
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]	50 spray cans 15 cans 19 glass lab bottles 7 glass lab bottles	50 spray cans 15 cans 19 glass lab bottles 7 glass lab bottles	50 spray cans 15 cans 19 glass lab bottles 7 glass lab bottles
Ref. no.				
Additional interior fittings	Material			
Interior fitting	Stainless steel	on request	on request	on request
Tray insert	PP	29-50672-327	29-50672-327	29-50672-327
Label holder		29-50000-001	29-50000-001	29-50000-001
Anti-slip mat for pull-out shelf	Rubber	29-50672-537	29-50672-537	29-50672-537
Locker (door hung left)		on request	on request	on request
Locker (door hung right)		on request	on request	on request

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Tested safety at a very high level including:



1.2



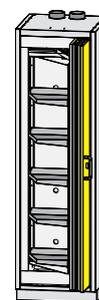
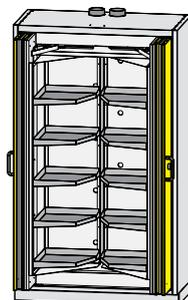
PREMIUM pro ML - V4	PREMIUM pro M - V1	PREMIUM pro M - V2	PREMIUM pro M - V3	PREMIUM pro M - V4
with pull-out shelves special depth 747 mm/29.41 inch	with pull-out shelves	with pull-out shelves	with pull-out shelves	with pull-out shelves
29-200672-050	29-200662-053	29-200662-052	29-200662-051	29-200662-050
3 pull-out shelves, 1 bottom tray and base	6 pull-out shelves, 1 bottom tray and base	5 pull-out shelves, 1 bottom tray and base	4 pull-out shelves, 1 bottom tray and base	3 pull-out shelves, 1 bottom tray and base
594 x 747 x 2077 23.39 x 29.41 x 81.77	594 x 597 x 2077 23.39 x 29.41 x 81.77	594 x 597 x 2077 23.39 x 29.41 x 81.77	594 x 597 x 2077 23.39 x 29.41 x 81.77	594 x 597 x 2077 23.39 x 29.41 x 81.77
498 x 618 x 1655 19.6 x 24.33 x 65.16	498 x 468 x 1655 19.6 x 24.33 x 65.16	498 x 468 x 1655 19.6 x 24.33 x 65.16	498 x 468 x 1655 19.6 x 24.33 x 65.16	498 x 468 x 1655 19.6 x 24.33 x 65.16
389 857.6	329 725.32	329 725.32	329 725.32	329 725.32
37 spray cans 13 cans 16 glass lab bottles 6 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles	46 spray cans 16 cans 20 glass lab bottles 8 glass lab bottles
on request				
29-50672-327	29-50672-327	29-50672-327	29-50672-327	29-50672-327
29-50000-001	29-50000-001	29-50000-001	29-50000-001	29-50000-001
29-50672-537	29-50672-537	29-50672-537	29-50672-537	29-50672-537
on request				
on request				



Tested safety at a very high level including:



Ordering information



	PREMIUM vario XL	PREMIUM vario M
	with vario shelves	with vario shelves
Ref. no.		
with classical folding door technology	29-201262-051V	29-200662-051V
Details		
	2x 5 vario shelves and base	5 vario shelves and base
Dimensions		
Outer (width x depth x height)	1195 x 595 x 2080 [mm] [inch]	595 x 595 x 2080 [mm] [inch]
Inner (width x depth x height)	1099 x 446 x 1830 [mm] [inch]	499 x 446 x 1830 [mm] [inch]
Weight	475 [kg] 1047.2 [lbs]	290 [kg] 639.34 [lbs]
Storage capacity/standing surface (approx. data)		
Size	36 spray cans 12 cans 16 glass lab bottles 6 glass lab bottles	36 spray cans 12 cans 16 glass lab bottles 6 glass lab bottles
Ref. no.		
Additional interior fittings		
Interior fitting	Stainless steel	on request
Anti-slip mat for vario shelf	Rubber	on request
	29-81266-550	29-81266-550

Other accessories on page 83. Other technical details and dimensions from page 84 onwards.



Accessories - varied and flexible

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

1.2



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.



Anti-slip mat

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



Labelling system

When the doors are opened, the label holder folds forward for easier reading. Up to seven holders can be attached and the scannable labels can be easily changed.



Transport trolley

with antistatic rollers to safely transport hazardous substances.



Locker

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



Absorber cloths

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



Pipe penetration

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

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

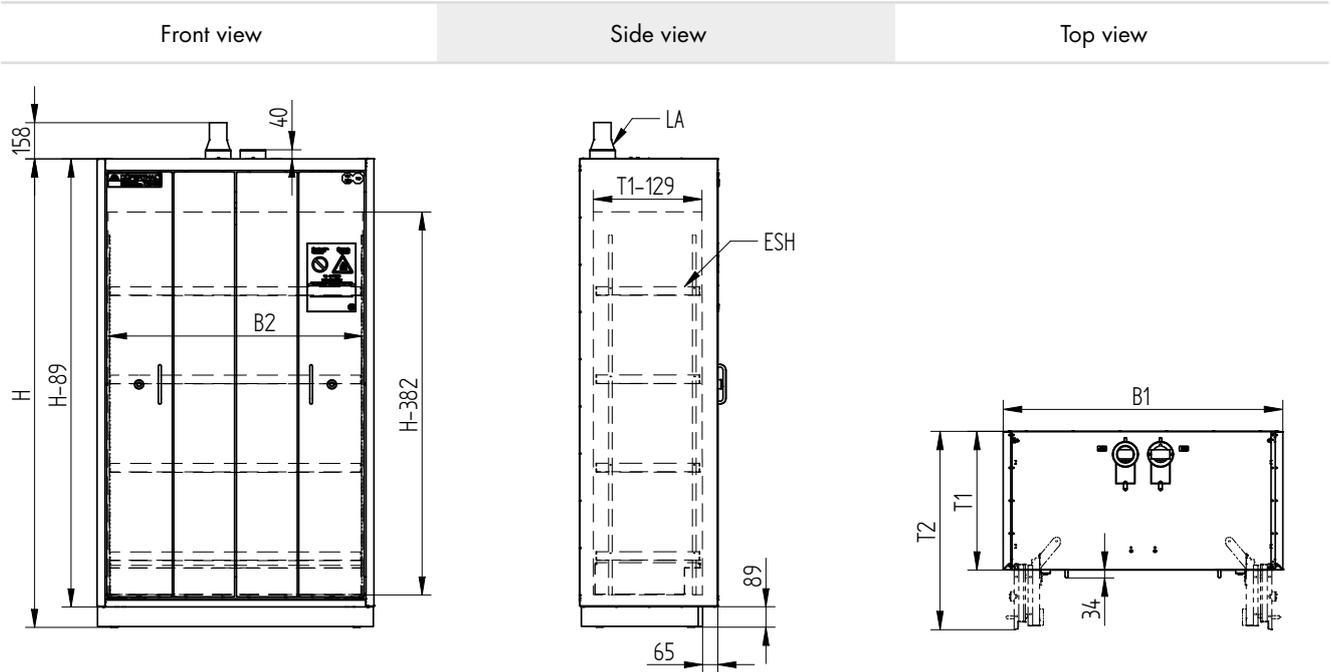
See programme section 7 or at www.dueperthal.com

See programme section 8 or at www.dueperthal.com

See programme section 10 or at www.dueperthal.com

Tech specs PREMIUM standard – Type 90

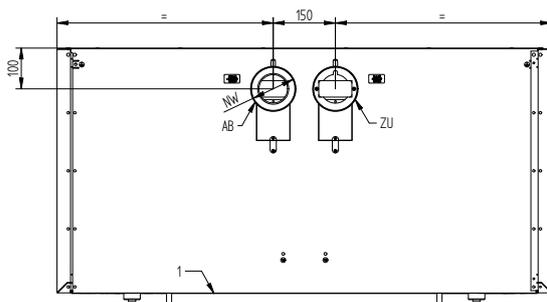
Technical details - PREMIUM standard



Model size		M	ML	XL
H	[mm]	2037	2037	2037
	[inch]	80.2	80.2	80.2
B1	[mm]	594	594	1194
	[inch]	23.39	23.39	47
B2	[mm]	498	498	1098
	[inch]	19.6	19.6	43.23
T1	[mm]	597	747	597
	[inch]	23.5	29.41	23.5
T2	[mm]	854	1004	854
	[inch]	33.62	39.53	33.62
Doors		1	1	2

LA: Connection socket NW 75 (2.95) ESH: Adjustable heights and standing surface dimensions

Top view - more details



- 1: Cabinet size M:XL
- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply

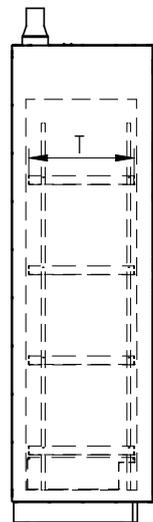
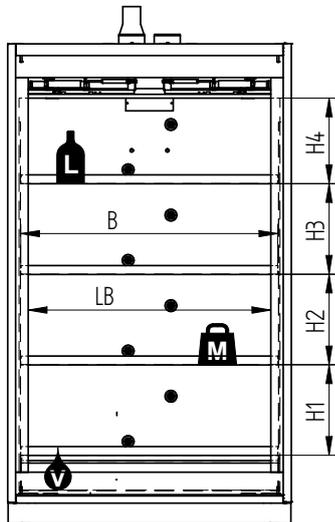


Tech specs PREMIUM standard – Type 90

Technical details - PREMIUM standard

Front view

Side view



Max. container height [mm]
[inch]

Model size	M ML XL	
2 storage shelves	H1	766 30.16
	H4	746 29.37
3 storage shelves	H1	510 20.08
	H2	510 20.08
	H4	490 19.3
4 storage shelves	H1	382 15.04
	H2	382 15.04
	H3	382 15.04
	H4	362 14.25

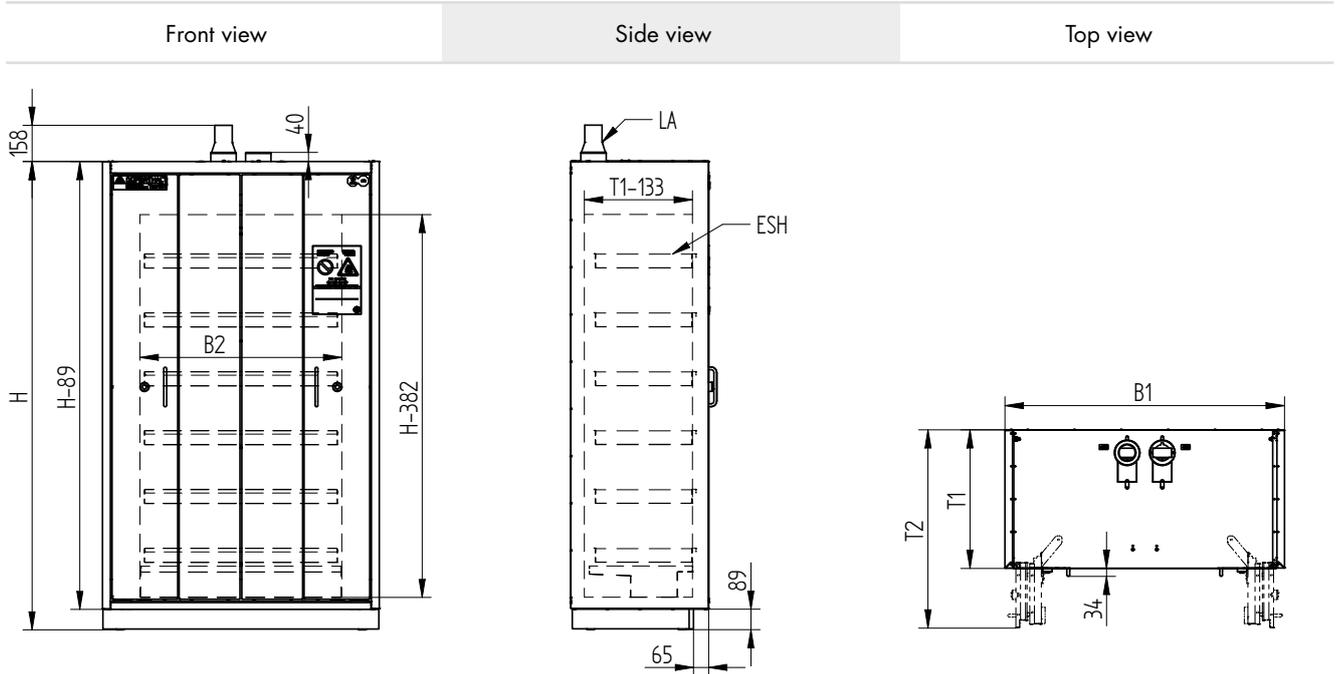
1.2

Model size		M	ML	XL	XL (CP)
B	[mm]	481	481	1081	2x 522
	[inch]	18.94	18.94	42.56	2x 20.55
LB	[mm]	420	420	1020	2x 502
	[inch]	16.54	16.54	40.16	2x 19.76
T	[kg]	445	580	445	445
	[lbs]	17.52	22.83	17.52	17.52
M	[l]	75	75	75	75
	[gal]	165.35	165.35	165.35	165.35
L	[l]	10	15	30	15
	[gal]	2.64	3.96	7.9	3.96
V	[l]	11	16.5	33	16.5
	[gal]	2.91	4.36	8.72	4.36
Tare weight	[kg]	297	357	496	505
	[lbs]	654.77	787.1	1093.5	1113.33
Max. additional load	[kg]	360	360	360	360
	[lbs]	793.66	165.35	165.35	165.35

- B: Inner width of standing surface, in millimetres
- LB: Clear width (doors), in millimetres
- T: Inner depth of standing surface, in millimetres
- M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
- L: Maximum volume of the largest individual container, in litres
- V: Max. collection volume, in litres
- CP: (with) centre partition wall

Tech specs PREMIUM pro – Type 90

Technical details - PREMIUM pro

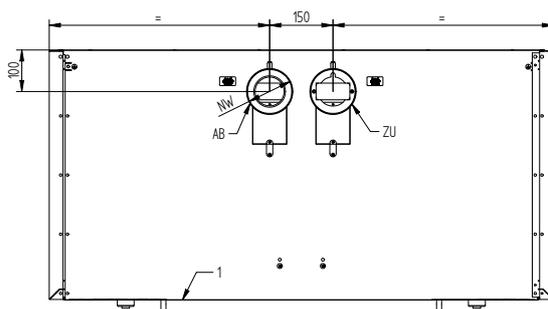


Model size		M	ML	XL
H	[mm]	2037	2037	2037
	[inch]	80.2	80.2	80.2
B1	[mm]	594	594	1194
	[inch]	23.39	23.39	47
B2	[mm]	348	348	870
	[inch]	13.7	13.7	34.25
T1	[mm]	597	747	597
	[inch]	23.5	29.41	23.5
T2	[mm]	854	1004	854
	[inch]	33.62	39.53	33.62
Doors		1	1	2

LA: Connection socket NW 75 (2.95)

ESH: Adjustable heights and standing surface dimensions

Top view - more details



- 1: Cabinet size M-XL
- NW: 110 (4.33) with adapter 75 (2.95)
- AB: Exhaust air connection
- ZU: Air supply

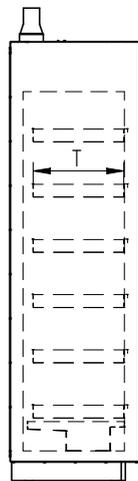
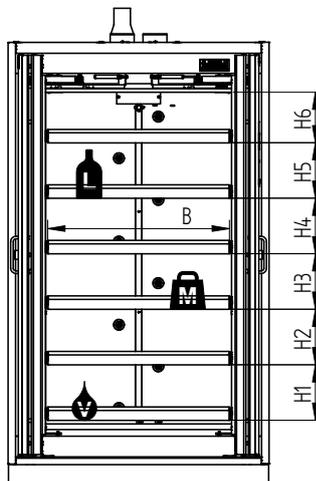


Tech specs PREMIUM pro – Type 90

Technical details - PREMIUM pro

Front view

Side view



Max. container height [mm]
[inch]

Model size	M ML XL
3 pull-out shelves	H1 511 20.12
	H2 511 20.12
	H6 488 19.21
4 pull-out shelves	H1 383 15.08
	H2 383 15.08
	H3 383 15.08
	H6 360 14.17
5 pull-out shelves	H1 303 11.93
	H2 303 11.93
	H3 303 11.93
	H4 303 11.93
	H6 296 11.65
6 pull-out shelves	H1 255 10.04
	H2 255 10.04
	H3 255 10.04
	H4 255 10.04
	H5 255 10.04
	H6 232 9.13

1.2

Model size		M	ML	XL	XL (CP)
B	[mm] [inch]	308 12.13	308 12.13	831 32.72	2x 388 2x 15.28
T	[mm] [inch]	417 16.42	552 21.73	417 16.42	417 16.42
M	[kg] [lbs]	40 88.18	40 88.18	60 132.28	40 88.18
L	[l] [gal]	10 2.64	15 3.96	25 6.6	10 2.64
V	[l] [gal]	11 2.91	17.5 4.62	28 7.4	13.5 3.57
Tare weight	[kg] [lbs]	329 725.32	389 857.6	528 1164.04	600 1322.77
Max. additional load	[kg] [lbs]	240 529.12	240 529.12	360 793.66	360 793.66

- B: Inner width of standing surface, in millimetres
- LB: Clear width (doors), in millimetres
- T: Inner depth of standing surface, in millimetres
- M: Load bearing capacity per storage shelf (uniformly distributed), in kilograms
- L: Maximum volume of the largest individual container, in litres
- V: Max. collection volume, in litres
- CP: (with) centre partition wall

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.



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

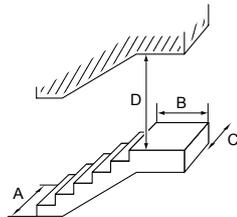
C = Landing width = _____ cm

D = Lintel height = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



Version 2

A = Stair width = _____ cm

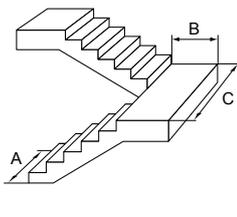
B = Landing depth = _____ cm

C = Landing width = _____ cm

No. of steps = _____

Step depth = _____ cm

Step height = _____ cm



Version 3

A = Stair width = _____ cm

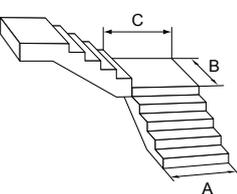
B = Landing depth = _____ cm

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	[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

DPVT B.V. DUPA Veiligheidstechniek

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