

# GLORIA®

Safety First



## GLORIA Product Catalogue

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Fire prevention is a constant concern. Whether in public buildings or in private households, fire extinguishers and warning alarms are essential to ensure the necessary protection for people and material assets.

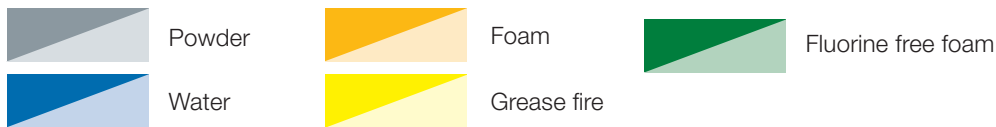
Reaching for a fire extinguisher is the first logical step in the event of a fire. Thanks to our extensive range of portable and mobile extinguishers with different extinguishing agents to suit your needs, fires can be extinguished both effectively and in an environmentally friendly manner. In an emergency, things have to move quickly. And although the application may seem simple, it can become a hurdle in stressful situations. This is why our services also include seminars and training courses to ensure safe handling of our products. We are also increasingly utilising the possibilities offered by state-of-the-art technologies: our VR Fire Trainer creates virtual realities in which users are exposed to fictitious fire situations and extinguish them under realistic conditions. We offer our customers the right solution for every application.

Our detector portfolio also forms an important basis. Because only through early detection can an often life-saving time advantage be utilised to leave threatening situations or even avert them.

Thanks to our products, your safety is within reach!

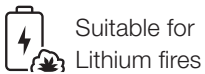
## Explanation of symbols

**Our DESIGN, STAR, PRO and EASY lines with colour coding of the extinguishing agent:**

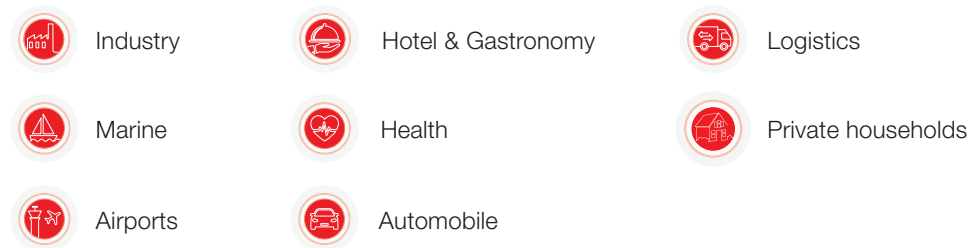


The lighter colour gradation can be found in the technical tables. It corresponds to the colour coding of the extinguishing agent.

### Other labelling:



### Areas of application:



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**CHOOSE THE RIGHT  
GLORIA<sup>®</sup>  
EXTINGUISHER  
FOR THE TYPE  
OF FIRE**

EXTINGUISHING  
**POWDER**

Approved for extinguishing  
of fires even up to 400 kV

Approved for extinguishing  
of fires up to 1000 V

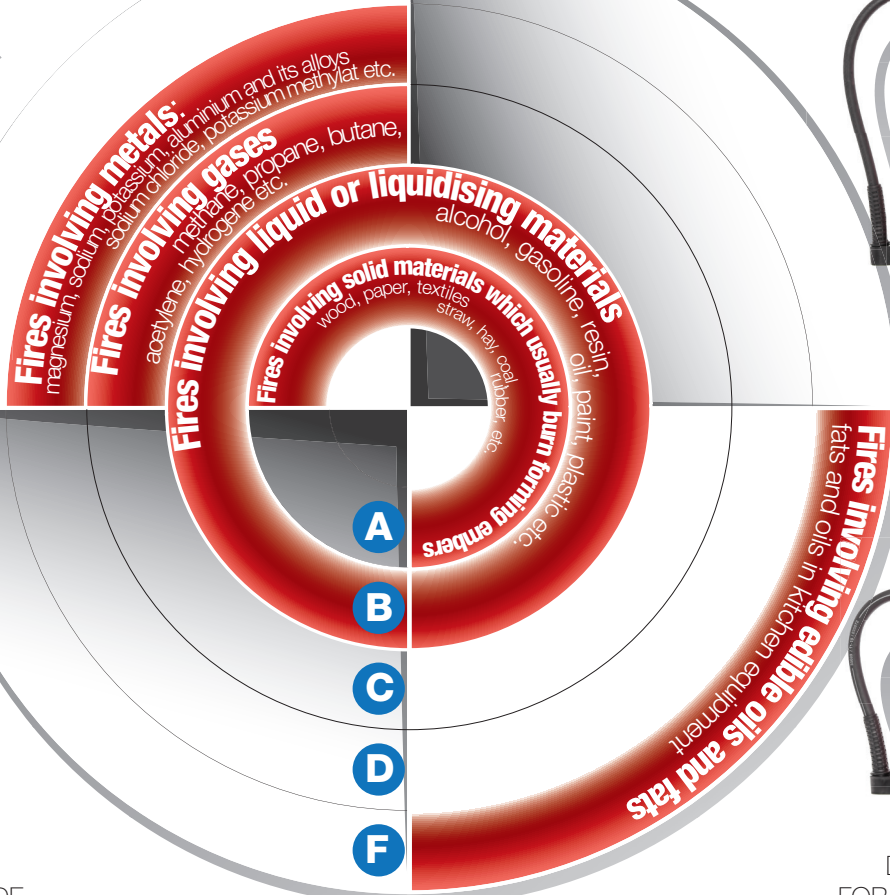
EXTINGUISHING  
**FOAM**



CARBON DIOXIDE  
**CO2**

Approved for extinguishing  
of fires even up to 400 kV

DESIGNED  
FOR FAT FIRES  
**WET CHEMICAL**



**CLASSES  
OF FIRES**

## On the way to a sustainable future

The expectations and requirements for fire protection products are naturally high. They should function immediately in an emergency, be intuitive to use and powerful even for laypersons, save lives, preserve health, protect values and be durable. Ideally, the extinguishing agent should be gentle on the environment and leave hardly any consequential damage after use. In recent years, modern GLORIA wet fire extinguishers, i.e. foam or water extinguishers, met this ecological standard. While GLORIA high-performance water extinguishers have always been fluorine-free, the fluorine content of foam extinguishers of the SE+, SH and SDE Types was already reduced to 0.04% in 2014.



The latter foam fire extinguishers are now being tackled: the legislator plans to completely do away with fluorosurfactants, which are difficult to degrade in nature, in the next few years - a corresponding European ECHA regulation is about to be published. This is a huge challenge for extinguishing agent producers, because film-forming extinguishing agents have long been considered the top class for use on larger, flammable class B liquids.

### What does the fluorine content in conventional foam extinguishing agents do?

The fluorine substances give the extinguishing foam its excellent film-forming properties, which significantly enhance the extinguishing effect, especially on B fires (liquid fires). A very thin liquid film is formed between the liquid and the foam. On the A-fire, the fluorosurfactants can lower the surface tension much further than other additives in the foam concentrate. This ensures that the foam penetrates better and faster into fine structures. In addition, the fluorosurfactants ensure that the foam concentrate has a repellent effect on liquids. The advantage: the liquid film is more stable, lasts longer and does not crack. These characteristics mean that gas escape from the flammable liquid is effectively prevented. The fluorine compounds belong to the group of PFAS.

### What are PFAS?

PFAS are often toxic per- and polyfluorinated alkyl substances, of which more than 4,700 individual substances are known. Chemically, PFAS are organic compounds of various chain lengths in which the hydrogen atoms have been completely (perfluorinated) or partially (polyfluorinated) replaced by fluorine atoms. They are found in many everyday products, such as outdoor jackets, Teflon pans and pots, cosmetics and protective clothing, but also in fluorine-containing fire extinguishing agents.

### Why are foam extinguishing agents criticized?

The chemically produced substances do not occur in nature. Although they offer the advantage of being water, dirt and grease repellent, they have long been suspected of being harmful to living organisms. They rapidly enter our ecosystem via water and accumulate in humans via groundwater and drinking water, food (plants, animals and bioorganisms) or the air we breathe.



## What does the future look like?



### What can we expect in the future for extinguishing agents containing fluorine?

The future will clearly be fluorine-free. The period of use of devices containing fluorosurfactants will most likely be restricted.

The exact wording of the new ECHA regulation, especially the regulation of the further periods of use, remains to be seen.

### Does a purchase of new fluorine-containing fire extinguishers/ extinguishing agents still make sense?

*Rather NO* - economically and from an environmental point of view, a purchase should be questioned - especially with regard to sustainability/longevity. Due to the emerging obligation to phase out fluorine-containing foams, in a worst-case scenario as early as 2024/2025, their acquisition should be carefully considered.

*Because:* The service life of conventional foam extinguishers will become very manageable due to the new regulation. Comprehensive advice to end users in favor of fluorine-free extinguishing agents is the order of the day.

### Are there any transition periods for existing equipment?

This has not yet been decided and the final communication remains to be seen. GLORIA is working on concepts that provide for the continued use of various existing devices through conversion.

### A new purchase is pending - what does GLORIA recommend?

#### 1. Do fluorine-free foam extinguishers necessarily have to be used if previously a conventional foam extinguisher was installed?

Fire risk and fire load must be carefully calculated for an initial fire in the fire protection concept for areas to be protected. In future, the economically ideal result for the operating company may be a mix of fluorine-free foam and modern high-performance water extinguishers.

#### 2. Fire risk and fire load in workplaces according to ASR 2.2 - differentiated advice is the key!

As one of many examples, consider the classic workplace in an administrative building with file storage.

A differentiated risk assessment will predominantly identify a fire of solid materials in the formation phase as the highest risk. For fire class A, a water extinguisher would be suitable for this area.

In the manufacturing sector, e.g. flammable liquids are used in the same company. At this point, the fluorine-free foam extinguisher would be predestined.

For both Types, the same trigger controls should be selected to be user-friendly.

Further information on the subject of fluorine-free can be found on our website at [www.gloria.de](http://www.gloria.de), category „GLORIA Knowledge“.

You can find our fluorine-free fire extinguisher models on the corresponding product pages in this catalogue. They are labelled with the „fluorine-free“ logo. 

## Lithium-ion batteries and their underestimated fire potential

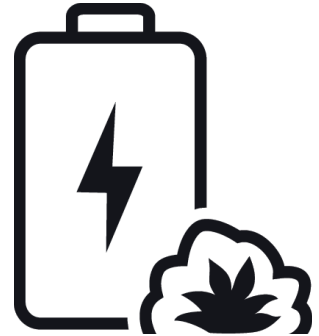
Lithium-ion batteries are both a blessing and a curse. High energy density on the smallest storage cell represents a quantum leap and, despite the most modern technology, involves certain risks.

Fires and explosions caused by lithium-ion batteries, which are used operationally in work equipment such as drill screwdrivers, laptops, smartphones or flashlights, are increasing continuously. Larger energy storage devices, such as those installed countless times in large electrical appliances, e-bikes and e-scooters, multiply the fire potential. The higher the energy density, the higher the risk.

Usually qualitative defects, the age of the batteries, accidents, but also carelessness are the mechanical, thermal or electrical causes of fires.

Damages, temperature effects and overcharging can lead to an increase in internal resistance and at the same time, especially with high current flows, cause the temperature to rise significantly. This results in an increase in pressure inside the cell and eventually in a breakdown, possibly with fire and explosion. Thermal runaway is due to the fact that this Type of energy storage uses organic solvents in the form of hydrocarbons, which react in an almost flammable manner like petrol.

In the commercial sector burning lithium-ion batteries should be tackled by fire safety assistants if possible, based on the risk assessment and the measures laid down. Fires of several or larger batteries should only be fought by fire brigade personnel!





### Primary cells just as at risk as batteries

However, it is not only the batteries themselves that are affected by the increasing number of cases, but also the non-rechargeable primary cells. One of the main causes of fire is the massive overheating of one or more cells. It is basically irrelevant whether the battery is a smaller energy storage device with only a few watt-hours of power, as integrated in smartphones, or a large lithium-ion system with several kWh that ensures the operation of an electric car or forklift truck. Even the smallest defective cell is capable of calling a large fire brigade into action.

In the process, the overheated cells „infect“ those next to them, comparable to a chain reaction. The thermal runaway of the entire battery system described above can then lead to uncontrollable temperatures as well as dangerous and very toxic gas leaks.


### Flammable gases, electrolytes and other cell components

Another cause of fire is the improper, unprotected storage of defective lithium-ion batteries or their storage in so-called „unclear“ condition. Lithium-ion batteries can simply be physically damaged by mechanical impacts during transport and storage or thermal stress in terms of strong sunlight, heat or cold.

Worst case, this can lead to the escape of flammable gases or electrolyte and consequently to ignition. Overheating is usually indicated by white/grey smoke. In such a case, persons in the danger zone should never inhale this smoke, as it contains battery contents and decomposition products that are very unhealthy and corrosive. The mist that is released can subsequently ignite and cause a flash fire, which in turn can decompose other lithium-ion batteries in the immediate vicinity.

In addition to the actual fire, explosion-like processes can occur, as the source of fire can decompose into small, splinter-like individual parts that eruptively burst apart.

You can find more information about lithium-ion batteries on our website at [www.gloria.de](http://www.gloria.de), category „GLORIA Knowledge“.

Our fire extinguisher models suitable for lithium fires can be found on the corresponding product pages in this catalogue. They are labelled with .

## Our solution for challenging training conditions - Fire training in the Virtual Reality (VR)



**Put on the headset and immerse yourself in the virtual world within minutes - and your firefighting training can begin!**

You don't need a real fire or a working fire extinguisher to practice firefighting. With the GLORIA VR Fire Trainer, everyone in the company can be trained using only a VR headset and a dummy fire extinguisher. As our product solution does not rely on a computer, you can train anywhere and at any time. The trainee is guided through realistic exercises that simulate different fire scenarios in different rooms. One moment you are in an open-plan office where a stack of file boxes is on fire, and the next moment you are in the kitchen facing a grease fire.

Simply open the sturdy transport box, put on the headset and you can start training. An all-round mobile training solution.

Get a first impression of the new product solution from GLORIA in our short product video and convince yourself of the special features and advantages of the GLORIA VR Fire Trainer.

We have aroused your interest and you would like to get an idea of how the GLORIA VR Fire Trainer works?

Then make an appointment today.

Contact us by phone at **+49 (0) 2523 / 79349-913** or by e-mail at **vrfiretrainer@gloria.de**.

We would also be happy to introduce you to our new product highlight during a personal visit and give you the opportunity to discover the virtual world of firefighting training with your own eyes.





## Cartridge operated fire extinguisher DIN EN 3, GS



### DESIGN-LINE - to be seen!





The fire extinguishers of the F 6 series are not only unique in design. These first-class extinguishers with foam and powder extinguishing media also impress in terms of comfort, functionality and attention to sensible detail.

#### ■ Main advantages of the DESIGN-LINE

- Design combined with functionality and very good extinguishing performance
- Consistently uniform: operating elements and extinguishing agent contents (6 l/kg)
- Easy to carry due to ergonomic handle design
- Green, sealed signal generator indicates the readiness of the unit
- Automatic removal of the green signal generator by pulling the yellow safety lug
- Orange-colored field of view becomes free, with indication: unlocked, have checked, check control
- Valve housing in black with classic push-button release: unlock, push the push-button, thereby piercing the CO<sub>2</sub> propellant bottle and charging the fire extinguisher
- Large comfort impact button with colored pictogram
- All valve components with standardized screw connection
- Kink-free, extra-long, aging-resistant hose line integrated into the carrying handle with a rotatable and stoppable extinguishing pistol
- Assembly and disassembly openings protected against tampering
- Preoccupied field for device identification in foot rim
- With integrated riser protection
- Additional protection for the hose line

### ■ Details and features of the DESIGN-LINE F 6





#### Cartridge operated foam fire extinguisher F 6 SKK

- Highest performance (233B) on B-fire (15 extinguishing agent units) with only 6 l volume
- Very high wetting effect of the extinguishing agent causes cooling and sticking effect
- Separate storage of the foam concentrate in a pre-assembled cartridge (no floating cartridge!), separated from the water - extremely easy to maintain
- Special spray nozzle with high area coverage enables the optimal application of the extinguishing agent, backfires are largely suppressed
- Areas of application:    



Strike button release

#### Cartridge operated powder fire extinguisher F 6 GX . F 6 G

- Maximum performance on A and B fires, 15 extinguishing agent units (Type F 6 GX)
- Almost universal application
- Impact-like, fast extinguishing due to cooling and suffocation effect, in addition, anticatalytic extinguishing effect
- GLORIA extinguishing powders are water-repellent and non-toxic
- Areas of application:    



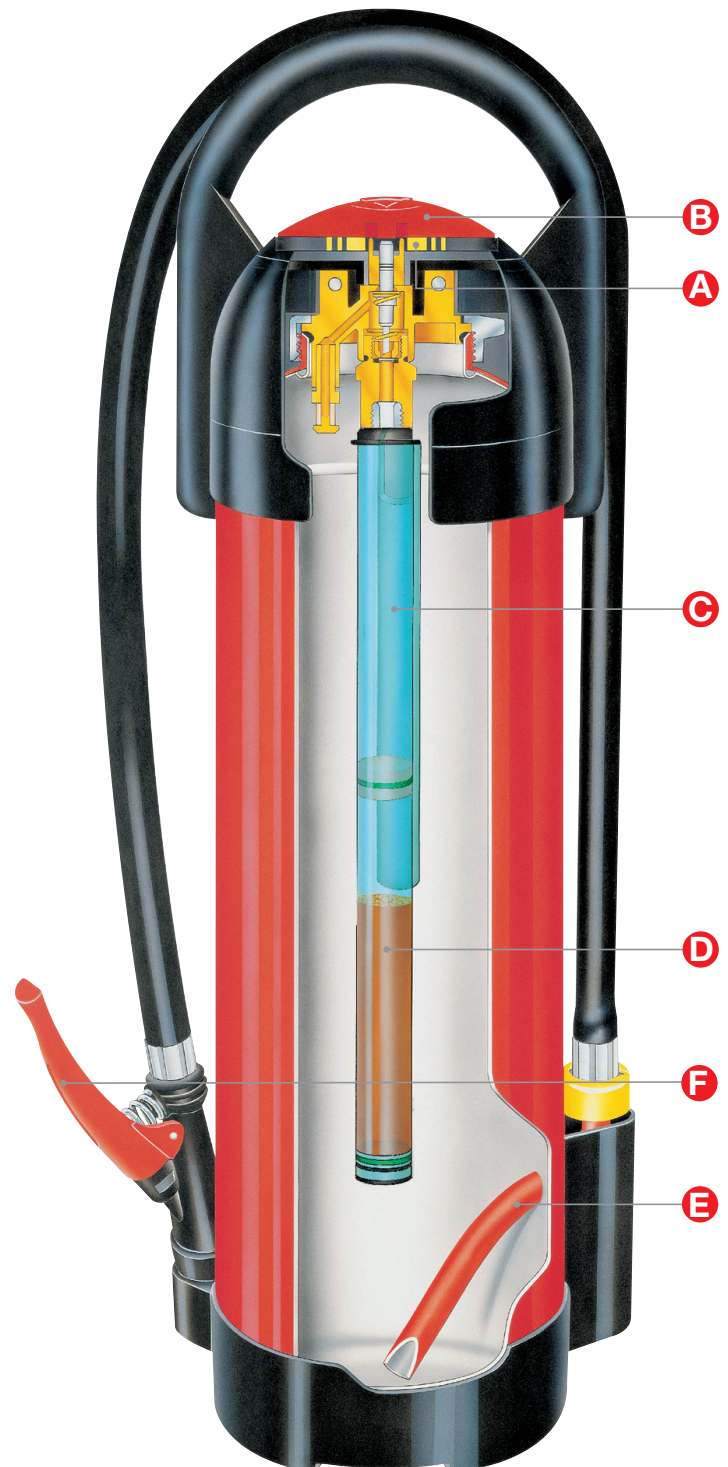


### ■ Cross-section F 6 SKK

#### Mode of operation

##### (impact button release)

- Pull the yellow safety tab **A**.
- By pressing the impact button **B** the piercing knife punctures the CO<sub>2</sub> propellant bottle **C**.
- The CO<sub>2</sub> suddenly enters the piston cartridge via the blowpipe **D**, pushes the foam concentrate out of the cartridge with the piston and at the same time ensures 100% mixing and pressure build-up of the extinguisher.
- The foam water mixture flows through the riser pipe **E** to the hose line.
- The extinguishing pistol **F** can be switched off to allow for metered use.



■ Details



Pulling the yellow safety tab



Red field of vision



Very long extinguishing hose, rotatable and adjustable extinguishing pistol

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
F 6 SKK DESIGN	002981.0000	foam-forming concentrate + water	S 6 H	CO <sub>2</sub>	21A 233B 6 15	ca. 5 m ca. 31 Sec.	0 °C to +60 °C	ca. 11,2 kg	ca. 630/216/165 mm ø 150 mm
F 6 GX DESIGN	000421.1909	ABC powder	PG 6 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 5 m ca. 22 Sec.	-30 °C to +60 °C	ca. 14 kg	ca. 568/216/165 mm ø 150 mm
F 6 G DESIGN	000421.0000	ABC powder	PG 6 H	CO <sub>2</sub>	43A 233B 12 12	C ca. 5 m ca. 22 Sec.	-30 °C to +60 °C	ca. 10,1 kg	ca. 568/216/165 mm ø 150 mm

\* extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation.

## Cartridge operated fire extinguisher DIN EN 3, GS, BSI



The Royal League: semi-automatic GLORIA fire extinguishers with maximum performance!

The GLORIA semi-automatic fitting was designed for intuitive use. Inimitable and Typical of GLORIA, the fitting gives the appliances a forward-looking, compact appearance. Performance, economy and design form a postmodern symbiosis in this series.


### ■ Main advantages of the STAR-LINE

- Intuitive and therefore lightning-fast to use: unlock, simply lift the handle - done!
- Robust carrying handle made of glass fibre reinforced plastic with ergonomic carrying properties.
- Laser-welded pressurised container.
- Exterior with hard-wearing polyester resin powder coating.
- Durable plastic inner coating to protect against corrosion.
- Approved in accordance with the Pressure Equipment Directive 2014/68/EU (CE).
- Uniform, high-strength, glass fibre-reinforced special plastic valve body.
- High temperature, ozone and UV resistant.
- Also highly resistant to chemicals, moisture and corrosion.
- Standardised threaded ring, thread size M74x2.
- Uniform, black anodised metal union nut.
- Internal propellant bottle with stainless steel adapter and corrosion-resistant plastic coating. (technical data marked with resistant laser printing)

- Ageing-resistant, LABS-free quality hose line with fabric insert made of synthetic rubber material.
- Swivelling and adjustable extinguishing gun for optimum firefighting.
- Robust, impact-resistant plastic base ring with hose nozzle holder ensures stability and protects the device against damage and corrosion.
- Special foam tube with high surface coverage enables optimum application of the extinguishing agent.


■ Details and features of the STAR-LINE

**Cartridge operated foam fire extinguisher SKA+** 

- High extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge and additional water additives.
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




**Cartridge operated foam fire extinguisher SKE** 

- High ease of maintenance, no additives in the water
- Impressive extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




**Cartridge operated grease fire extinguisher FA** 

- Burning grease can easily exceed a temperature of more than 1000 °C, is self-igniting and requires a robust and absolutely safe fire extinguisher to prevent flash fires or even grease explosions
- The extinguishing agent, paired with a special atomiser insert, ensures that GLORIA grease fire extinguishers achieve the maximum achievable rating of 75F with a capacity of just 3 litres
- Reignitions are reliably prevented
- GLORIA grease fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates grease fire extinguishing agent
- Areas of application:  \*



**Cartridge operated water fire extinguisher WH** 


- Water extinguisher with TOP values: Type WH 9 with 12 LE - and environmentally friendly too
- Blue colour code on the labelling image indicates: Extinguishing agent water
- Areas of application: 



\* For kitchen operations with deep-fat fryers up to 50 litres, the DGUV (regulation GUV-R111) stipulates the use of at least one fire extinguisher with a proven suitability for extinguishing cooking oil and cooking fat fires with a preferred capacity of 6 litres. For deep fryers with a capacity of up to 100 litres, at least three fire extinguishers with proven suitability or a stationary extinguishing device must be provided.



### Cartridge operated powder fire extinguisher PX . PH . P

- Type PX 6 STAR as a high-performance unit with 15 LE
- Environmentally friendly, performance-differentiated quality ABC extinguishing powder
- Almost universally applicable
- Impact-like, fast extinguishing due to cooling and suffocation effect, in addition, anticatalytic extinguishing effect
- Reignition of solid fires is prevented
- Gray color code indicates extinguishing powder
- GLORIA extinguishing powders are water-repellent and non-toxic
- GLORIA extinguishing powders with outstanding long-term quality and durability
- Areas of application: 

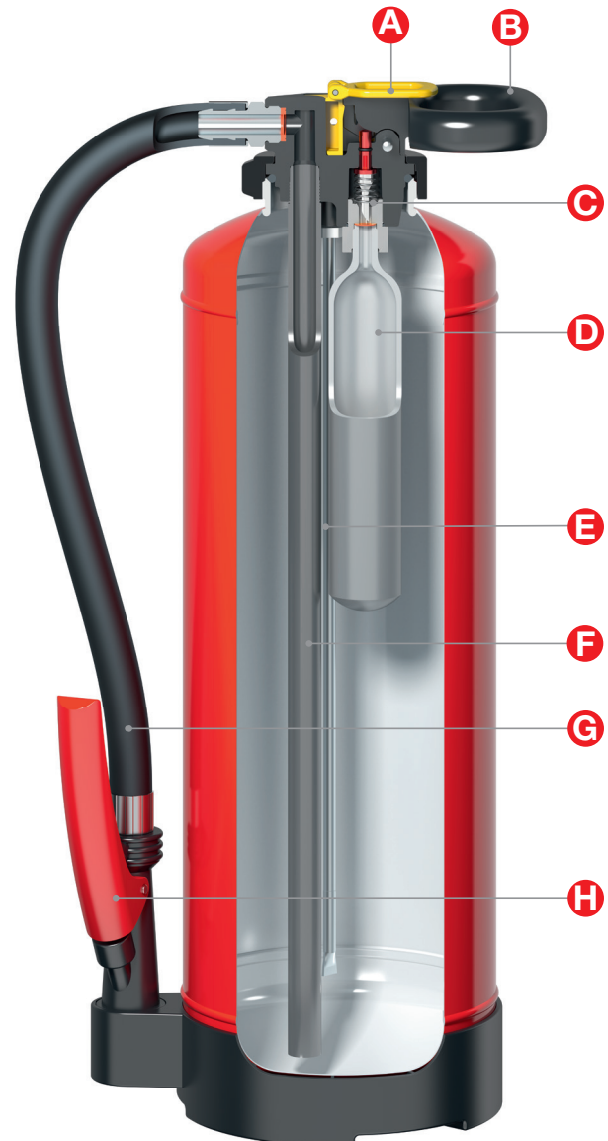


#### ■ Cross-section

##### Powder fire extinguisher STAR-LINE

#### Mode of operation

- Pull the yellow safety tab **A**.
- When the handle **B** is lifted, the piercing knife **C** automatically punctures the CO<sub>2</sub> propellant bottle **D**.
- CO<sub>2</sub> flows abruptly into the cartridge **E** and pushes the piston with the foam concentrate into the container. Water and foam concentrate are optimally mixed by this process.
- The foam mixture flows through the riser pipe **F** into the hose line **G**.
- The extinguishing pistol **H**, which can be rotated and shut off, enables targeted firefighting over a large area.



■ Application



Pick a safety clip...

...unlock...

...and lift the handle - ready!



Rotatable and stoppable extinguishing pistol

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
SKA+ 6 STAR	811661.0035	Foam concentrate in cartridge + water + additives	S 6 H	CO <sub>2</sub>	34A 144B 10 9	ca. 4,5 m ca. 60 Sec.	5 °C to +60 °C	ca. 10,1kg	ca. 540/280/165 mm ø 150 mm
SKA+ 9 STAR	811671.0035	Foam concentrate in cartridge + water + additives	S 9 H	CO <sub>2</sub>	43A 183B 12 12	ca. 4,5 m ca. 80 Sec.	5 °C to +60 °C	ca. 15,3 kg	ca. 575/280/205 mm ø 190 mm
SKE 6 STAR	811661.0000	Foam concentrate in cartridge + water	S 6 H	CO <sub>2</sub>	21A 113B 6 6	ca. 4,5 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,1 kg	ca. 540/280/165 mm ø 150 mm
SKE 9 STAR	811671.0000	Foam concentrate in cartridge + water	S 9 H	CO <sub>2</sub>	27A 183B 9 12	ca. 4,5 m ca. 35 Sec.	5 °C to +60 °C	ca. 15,3 kg	ca. 575/280/205 mm ø 190 mm
FA 6 STAR <small>available from Q2/24</small>	814131.0000	Wet chemical-Extinguishing agent	W 6 H	CO <sub>2</sub>	13A 75F 4 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 600/270/165 mm ø 150 mm
WH 6 STAR	803821.0000	Water + additives	W 6 H	CO <sub>2</sub>	34A 10	ca. 5 m ca. 74 Sec.	0 °C to +60 °C	ca. 10,3 kg	ca. 540/280/165 mm ø 150 mm
WH 9 STAR	803831.0000	Water + additives	W 9 H	CO <sub>2</sub>	43A 12	ca. 5 m ca. 93 Sec.	0 °C to +60 °C	ca. 15,5 kg	ca. 575/280/205 mm ø 190 mm
PX 6 STAR	800631.3016	High performance ABC powder	PG 6 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,9 kg	ca. 500/300/165 mm ø 150 mm
PH 6 STAR	800631.3015	ABC powder	PG 6 H	CO <sub>2</sub>	43A 233B 12 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,9 kg	ca. 500/300/165 mm ø 150 mm
PH 9 STAR	800641.0000	ABC powder	PG 9 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 7 m ca. 23 Sec.	-30 °C to +60 °C	ca. 14,3 kg	ca. 555/290/185 mm ø 170 mm
P 6 STAR	800631.0000	ABC powder	PG 6 H	CO <sub>2</sub>	34A 233B 10 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,9 kg	ca. 500/300/165 mm ø 150 mm
P 12 STAR	800651.0000	ABC powder	PG 12 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 7 m ca. 32 Sec.	-30 °C to +60 °C	ca. 18,7 kg	ca. 600/290/205 mm ø 190 mm

\* extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation.

## Cartridge operated fire extinguisher DIN EN 3, GS, MED , BSI



### PRO-LINE - proven GLORIA original!

The classic push-button fitting, which is particularly popular in the commercial sector, in combination with the rotatable and lockable extinguishing pistol, characterises this series in the unmistakable GLORIA design. The extinguishing media foam, water and powder are at their best in the PRO-LINE.

#### ■ Hauptvorteile der PRO-LINE


- Tried and tested GLORIA firing knob fitting.
- Robust handle made of glass fibre reinforced plastic with ergonomic carrying properties.
- Laser-welded pressure vessel.
- Exterior with resistant polyester resin powder coating.
- Durable plastic inner coating to protect against corrosion.
- Approved in accordance with the Pressure Equipment Directive 2014/68/EU (CE).
- Uniform, high-strength, glass fibre-reinforced special plastic valve body.
- High temperature, ozone and UV resistant.
- Also highly resistant to chemicals, moisture and corrosion.
- Standardised threaded ring, thread size M74x2.
- Uniform, black anodised metal union nut.
- Internal propellant bottle with stainless steel adapter and corrosion-resistant plastic coating. (technical data marked with resistant laser printing)
- Ageing-resistant, LABS-free quality hose line with fabric insert made of synthetic rubber material.



- Swivelling and adjustable extinguishing gun for optimum firefighting.
- Robust, impact-resistant plastic base ring with hose nozzle holder ensures stability and protects the device against damage and corrosion.
- Special foam tube with high surface coverage enables optimum application of the extinguishing agent.


■ Details and features of the PRO-LINE

**Cartridge operated foam fire extinguisher SKA+** 

- High extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge and additional water additives.
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




**Cartridge operated foam fire extinguisher SB . SBF** 

- High extinguishing performance on B-fire with only 6 litres capacity (SB)
- GLORIA bio-foam with impregnating effect on the source of the fire and surroundings
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




**Cartridge operated foam fire extinguisher SKE** 

- High ease of maintenance, no additives in the water
- Impressive extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




**Cartridge operated grease fire extinguisher FA** 

- Burning grease can easily exceed a temperature of more than 1000 °C, is self-igniting and requires a robust and absolutely safe fire extinguisher to prevent flash fires or even grease explosions
- The extinguishing agent, paired with a special atomiser insert, ensures that GLORIA grease fire extinguishers achieve the maximum achievable rating of 75F with a capacity of just 3 litres
- Reignitions are reliably prevented
- GLORIA grease fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates grease fire extinguishing agent
- Areas of application: 



**Cartridge operated Fine spray water fire extinguisher WKL** 

- Fluorine-free extinguishing agent concentrate, without environmentally harmful PFOS or PFOA
- Deliberate avoidance of extinguishing substances in the water
- Blue colour code indicates water as extinguishing agent
- Extinguishing lance for additional distance to the source of danger at 4m spray range
- High ease of maintenance thanks to cartridge technology
- Specially designed for lithium-ion batteries up to 642Wh\*\* (WKL6PRO) or 1285Wh\*\* (WKL 9 PRO), with pouches up to 700Wh (WKL 9 PRO)
- Areas of application: 




\* For kitchen operations with deep-fat fryers up to 50 litres, the DGUV (regulation GUV-R111) stipulates the use of at least one fire extinguisher with a proven suitability for extinguishing cooking oil and cooking fat fires with a preferred capacity of 6 litres. For deep fryers with a capacity of up to 100 litres, at least three fire extinguishers with proven suitability or a stationary extinguishing device must be provided as an option. | The tests were carried out on cell Type 18650. The suitability test on lithium-ion batteries was carried out by the Dutch institute KIWA!






### Cartridge operated water fire extinguisher WH

- Water extinguisher with TOP values: Type WH 9 with 12 LE - in addition, it is environmentally friendly.
- Blue color code of the labeling indicates: Extinguishing agent water
- Stainless steel hose connection and riser pipe
- Areas of application: 



### Cartridge operated powder fire extinguisher P . PH

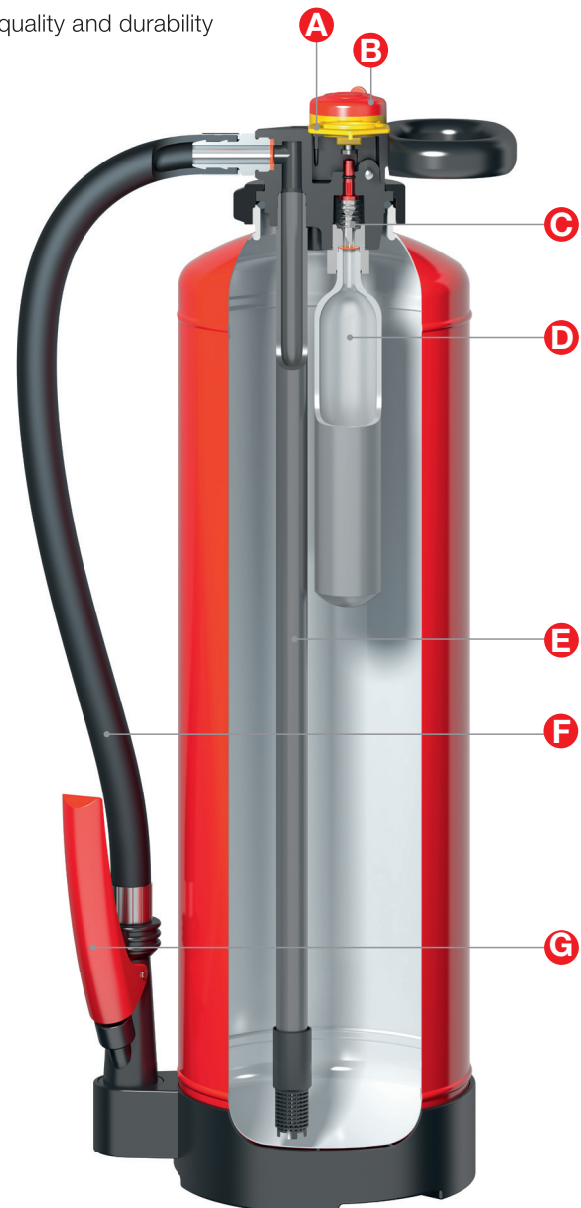
- Environmentally compatible, performance-differentiated quality ABC extinguishing powder
- Almost universally applicable
- Impact-like, fast extinguishing due to cooling and suffocation effect, in addition, anticatalytic extinguishing effect, reignition of solid fires are prevented
- Gray color code indicates extinguishing powder
- GLORIA extinguishing powders are water-repellent and non-toxic
- GLORIA extinguishing powders with outstanding long-term quality and durability
- Areas of application: 



### ■ Cross-section Water fire extinguisher PRO-LINE

#### Mode of operation

- Pull the yellow safety tab **A**.
- When the impact button **B** is pressed, the piercing knife **C** punctures the CO<sub>2</sub> propellant bottle **D**.
- CO<sub>2</sub> flows abruptly into the container. The foam mixture flows through the riser pipe **E** into the hose line **F**.
- The rotatable and stoppable extinguishing pistol **G** enables targeted fire fighting over a large area.



■ Application



Pull the pin... ...push the strike knob... ...squeeze the lever and use!

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
SKA+ 6 PRO	811641.0035	Foam concentrate in cartridge + water + additives	S 6 H	CO <sub>2</sub>	34A 144B 10 9	ca. 4,5m ca. 60 Sec.	+5 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SKA+ 9 PRO	811651.0035	Foam concentrate in cartridge + water + additives	S 9 H	CO <sub>2</sub>	43A 183B 12 12	ca. 4,5m ca. 80 Sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SB 6 PRO	813731.0000	Premix	S 6 H	N <sub>2</sub>	21A 183B 6 12	ca. 4,5 m ca. 70 Sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 550/280/165 mm ø 150 mm
SB 9 PRO	813741.0000	Premix	S 9 H	N <sub>2</sub>	27A 183B 9 12	ca. 4,5 m ca. 90 Sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SKE 6 PRO	811641.0000	Foam concentrate in cartridge + water	S 6 H	CO <sub>2</sub>	21A 113B 6 6	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SKE 9 PRO	811651.0000	Foam concentrate in cartridge + water	S 9 H	CO <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SBF 6 PRO <small>available from Q2/24</small>	814171.0000	Premix	S 6 H	CO <sub>2</sub>	21A 113B 6 6	ca. 4 m ca. 35 Sec.	-20 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SBF 9 PRO <small>available from Q2/24</small>	814181.0000	Premix	S 9 H	CO <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 48 Sec.	-20 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
FA 6 PRO <small>available from Q2/24</small>	814121.0000	Wet chemical-Extinguishing agent	W 6 H	CO <sub>2</sub>	13A 75F 4 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 550/280/165 mm ø 150 mm
WKL 6 PRO	803841.0000	Concentrate in cartridge + water	W 6 H	CO <sub>2</sub>	21A 6	4 m 65 Sec.	+5 °C to +60 °C	ca. 10,5 kg	ca. 630/216/165 mm ø 150 mm
WKL 9 PRO	803851.0000	Concentrate in cartridge + water	W 9 H	CO <sub>2</sub>	27A 9	4 m. 80 Sec.	+5 °C to +60 °C	15,6 kg	ca. 640/430/205 mm
WH 6 PRO	803801.0000	Water + additives	W 6 H	CO <sub>2</sub>	34A 10	ca. 5 m ca. 74 Sec.	0 °C to +60 °C	ca. 10,3 kg	ca. 550/280/165 mm ø 150 mm
WH 9 PRO	803811.0000	Water + additives	W 9 H	CO <sub>2</sub>	43A 12	ca. 5 m ca. 90 Sec.	0 °C to +60 °C	ca. 15,5 kg	ca. 585/280/205 mm ø 190 mm
PH 6 PRO	801271.1426	ABC powder	PG 6 H	CO <sub>2</sub>	43A 233B 12 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,8 kg	ca. 510/300/165 mm ø 150 mm
PH 9 PRO	803341.1426	ABC powder	PG 9 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 6 m ca. 23 Sec.	-30 °C to +60 °C	ca. 14,3 kg	ca. 565/290/185 mm ø 170 mm
P 6 PRO	801941.0000	ABC powder	PG 6 H	CO <sub>2</sub>	34A 233B 10 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,8 kg	ca. 510/300/165 mm ø 150 mm
P 12 PRO	801291.1426	ABC powder	PG 12 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 7 m ca. 32 Sec.	-30 °C to +60 °C	ca. 18,6 kg	ca. 610/290/205 mm ø 190 mm

\* extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation.

## Cartridge operated fire extinguisher DIN EN 3, GS, MED



### EASY-LINE - Simple, comprehensive, good!

Simplicity and safety are not a contradiction in the EASY-LINE, but a long-standing concept.


The clear focus on the essentials without saving on safety and performance has been impressively implemented in the design of the EASY-LINE. The EASY-LINE offers the widest range of extinguishing agents.

#### ■ Main advantages of the EASY-LINE

- Large performance portfolio within the extinguishing agent's foam (6 and 9 l), water (6 and 9 l), grease fire (3 and 6 l), and powder (6, 9, and 12 kg)
- Consistent uniform operating elements
- Easy to carry due to stable handle
- Uniform, high-strength, glass-fiber-reinforced special plastic valve body. Moreover robust, tensile strength, stable, high chemical resistance, damp-proof, corrosion-free, high-temperature resistance, UV-resistant
- All valve components with standardized screw connection
- Uniform M 74 threaded ring
- Uniform, black anodized metal screwcap
- Aging-resistant hose line


### ■ Details and features of the EASY-LINE

#### Cartridge operated foam fire extinguisher SKA+

- High extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge and additional water additives.
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




#### Cartridge operated foam fire extinguisher SKE

- High ease of maintenance, no additives in the water
- Impressive extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application: 




#### Cartridge operated grease fire extinguisher FA

- Burning grease can easily exceed a temperature of more than 1000 °C, is self-igniting and requires a robust and absolutely safe fire extinguisher to prevent flash fires or even grease explosions
- The extinguishing agent, paired with a special atomiser insert, ensures that GLORIA grease fire extinguishers achieve the maximum achievable rating of 75F with a capacity of just 3 litres
- Reignitions are reliably prevented
- GLORIA grease fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates grease fire extinguishing agent
- Areas of application: \*



#### Water-Cartridge operated fire extinguisher WH . W . WF

- Water extinguishers with TOP values: Type WH with 12 LE and 9 l capacity - also environmentally friendly
- 6 and 9 litre water extinguishers with pure water without additives (Type W)
- Frost-proof versions (-30°) with 6 and 9 litre capacity available (Type WF)
- Blue colour code indicates water extinguishing agent
- Areas of application: 



\*For kitchen operations with deep-fat fryers up to 50 litres, the DGUV (regulation GUV-R111) stipulates the use of at least one fire extinguisher with a proven suitability for extinguishing cooking oil and cooking fat fires with a preferred capacity of 6 litres. For deep fryers with a capacity of up to 100 litres, at least three fire extinguishers with proven suitability or a stationary extinguishing device must be provided.



### Cartridge operated powder fire extinguisher P . PH

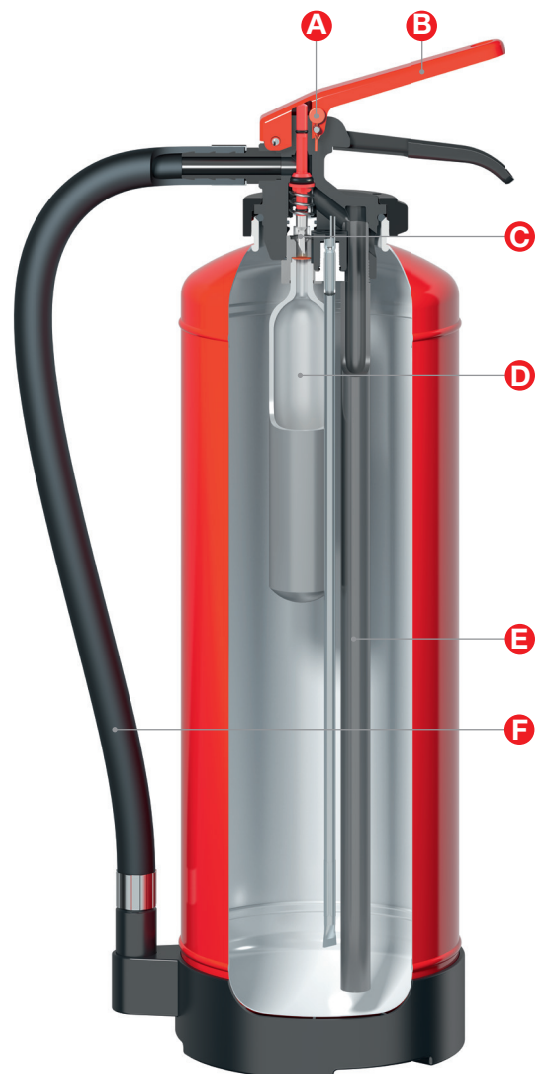
- Environmentally friendly, performance-differentiated quality ABC extinguishing powder
- Almost universally applicable
- Impact-like, fast extinguishing due to cooling and suffocation effect, in addition, anticatalytic extinguishing effect
- Reignition of solid fires is prevented
- Gray color code indicates extinguishing powder
- GLORIA extinguishing powders are water-repellent and non-toxic
- GLORIA extinguishing powders with outstanding long-term quality and durability
- Areas of application:



#### ■ Cross-section Powder fire extinguisher EASY-LINE

##### Mode of operation

- Pull the metal locking pin **A**.
- When the hand lever **B** is pressed down briefly for the first time, the piercing knife **C** punctures the CO<sub>2</sub> propellant bottle **D**. At the same time, CO<sub>2</sub> suddenly flows into the container.
- When the hand lever **B** is pressed down again, the extinguishing agent flows through the riser pipe **E** into the hose line **F** for discharge.
- Releasing the hand lever **B** interrupts the extinguishing agent jet.





Hand lever



Foot ring

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
SKA+ 6 EASY	814121.0035	Foam concentrate in cartridge + water + additives	S 6 H	CO <sub>2</sub>	34A 144B 10 9	ca. 4 m ca. 54 Sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 600/310/165 mm 150 mm
SKA+ 9 EASY	814131.0035	Foam concentrate in cartridge + water + additives	S 9 H	CO <sub>2</sub>	43A 183B 12 12	ca. 4 m ca. 80 Sec.	+5 °C to +60 °C	ca. 15,5 kg	ca. 620/290/205 mm 190 mm
SKE 6 EASY <small>available from Q4/23</small>	811681.0000	Foam concentrate in cartridge + water	S 6 H	CO <sub>2</sub>	21A 113B 6 6	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 600/310/165 mm 150 mm
SKE 9 EASY <small>available from Q1/24</small>	811691.0000	Foam concentrate in cartridge + water	S 9 H	CO <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 15,5 kg	ca. 620/290/205 mm 190 mm
FA 3 EASY <small>available from Q2/24</small>	814101.0000	Wet chemical-Extinguishing agent	W 3 H	CO <sub>2</sub>	8A 75F 2 9	ca. 4 m ca. 30 Sec.	-5 °C to +60 °C	ca. 6,8 kg	ca. 432/270/165 mm 150 mm
FA 6 EASY <small>available from Q2/24</small>	814111.0000	Wet chemical-Extinguishing agent	W 6 H	CO <sub>2</sub>	13A 75F 4 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 600/270/165 mm 150 mm
WH 6 EASY	801601.1776	Water + additives	W 6 H	CO <sub>2</sub>	34A 10	ca. 5 m ca. 60 Sec.	0 °C to +60 °C	ca. 10,2 kg	ca. 600/310/165 mm 150 mm
WH 9 EASY	801611.1776	Water + additives	W 9 H	CO <sub>2</sub>	43A 12	ca. 5 m ca. 70 Sec.	0 °C to +60 °C	ca. 15,4 kg	ca. 620/290/205 mm 190 mm
W 6 EASY	801601.0000	Water	W 6 H	CO <sub>2</sub>	21A 6	ca. 4 m ca. 32 Sec.	+5 °C to +60 °C	ca. 10,0 kg	ca. 600/310/165 mm 150 mm
W 9 EASY	801611.0000	Water	W 9 H	CO <sub>2</sub>	27A 9	ca. 4 m ca. 39 Sec.	+5 °C to +60 °C	ca. 15,2 kg	ca. 620/290/205 mm 190 mm
WF 6 EASY	801621.0000	Water + antifreeze	W 6 H-30	CO <sub>2</sub>	21A 6	ca. 4 m ca. 60 Sec.	-30 °C to +60 °C	ca. 10,9 kg	ca. 600/310/165 mm 150 mm
WF 9 EASY	801631.0000	Water + antifreeze	W 9 H-30	CO <sub>2</sub>	27A 9	ca. 4 m ca. 80 Sec.	-30 °C to +60 °C	ca. 16,9 kg	ca. 620/290/205 mm 190 mm
PH 6 EASY	802171.3015	ABC powder	PG 6 H	CO <sub>2</sub>	43A 233B 12 12	C ca. 6 m ca. 24 Sec.	-30 °C to +60 °C	ca. 9,8 kg	ca. 550/280/165 mm 150 mm
PH 9 EASY	802181.0000	ABC powder	PG 9 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 7 m ca. 27 Sec.	-30 °C to +60 °C	ca. 14,3 kg	ca. 595/300/185 mm 170 mm
P 6 EASY	802171.0000	ABC powder	PG 6 H	CO <sub>2</sub>	34A 183B 10 12	C ca. 6 m ca. 24 Sec.	-30 °C to +60 °C	ca. 9,8 kg	ca. 550/280/165 mm 150 mm
P 12 EASY	802191.0000	ABC powder	PG 12 H	CO <sub>2</sub>	55A 233B 15 15	C ca. 7 m ca. 23 Sec.	-30 °C to +60 °C	ca. 19,0 kg	ca. 640/310/205 mm 190 mm

\* extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation.

## Cartridge operated fire extinguisher DIN EN 3, GS



### Universal powder fire extinguishers

Due to their special design, the units are mainly used in industrial plants.

The P 6 GT can be used wherever fire extinguishers are not carried by hand during operations, e.g. by fire brigades, the police, the Federal Border Guard and for firefighting at locations that are difficult to access.

#### ■ Main advantages

- Immediately ready for use after opening the CO<sub>2</sub> propellant bottle
- Adjustable spray pistol enables targeted and dosed fire fighting
- High-quality pressure vessels made of high-strength steel

#### ■ Details and performance features

##### of powder fire extinguishers with external CO<sub>2</sub> propellant bottle

- Exterior with weather-resistant, durable, 100% polyester resin coating (free of heavy metals) for long service life
- External TÜV-tested CO<sub>2</sub> propellant bottle with safety bursting disc device
- Metal fitting with integrated safety valve

- Areas of application:

**P 6 G . P 12 G**

- Sturdy plastic foot ring protects the tank from damage and guarantees high stability
- Very maintenance-friendly design
- Integrated hose and propellant bottle holder on the foot ring



**P 12 M**

- With metal fire applicator
- Filled with special metal fire powder, suitable for fire class D
- Stable plastic carrying handle



**P 6 SV . P 12 SV**

- Foam compatible, suitable for combined use with foam
- Extinguishing agent: BC powder



Carrying handle



Lance P 12 M

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
P 6 G	000621.2046	ABC-Powder	PG 6 H	CO <sub>2</sub>	43 A 233 B C 12 15	5 m ca. 22 Sec.	-30 °C to +60 °C	11,0 kg	480/340/150 mm ø 150 mm
P 12 G	000671.2046	ABC-Powder	PG 12 H	CO <sub>2</sub>	55 A 233 B C 15 15	7 m ca. 34 Sec.	-30 °C to +60 °C	20,0 kg	560/370/190 mm ø 190 mm
P 12 M	800671.1611	D powder	PM 12 H	CO <sub>2</sub>		D Streuw. ca. 35 Sec.	-20 °C to +60 °C	21,0 kg	860/370/190 mm ø 190 mm
P 6 SV	000621.1610	BC-SV powder	P 6 H	CO <sub>2</sub>	233 B C 15	5 m ca. 16 Sec.	-30 °C to +60 °C	11,0 kg	480/340/150 mm ø 150 mm
P 12 SV	000671.1610	BC-SV powder	P 12 H	CO <sub>2</sub>	233 B C 15	7 m ca. 21 Sec.	-30 °C to +60 °C	19,8 kg	860/370/190 mm ø 190 mm

\* Extinguishing agent units. If fire extinguishers are provided for both fire classes A + B, the lower LE value applies for the calculation.



## Stored pressure fire extinguisher DIN EN 3, GS, MED , BSI



aluminium design

aluminium design

steel design

### Carbon dioxide fire extinguisher in aluminium or steel design

The ideal units for use in installations with high electrical voltage, EDP centres and warehouses with flammable liquids. Safe and reliable extinguishing with the residue-free extinguishing agent carbon dioxide.

#### ■ Main advantages of carbon dioxide fire extinguishers

- Practical standard class devices with high extinguishing capacity
- Easy-to-use hand lever release - for carrying and releasing at the same time
- High-quality pressurized gas containers made of high-strength aluminium or steel

#### ■ Details and performance features of carbon dioxide fire extinguishers

- The extra-long snow tube of the KS 5 ST and KS 5 SE, formed in a flat design, allows a targeted extinguishant stream
- Type KS 5 SE also available with cylindrical snow tube (part no. 001821.1672)
- For the user, this means high performance with simultaneous large area coverage
- The snow horn of the KS 2 ST and KS 2 SBS, which is screwed to the nozzle, allows an optimal spreading of the extinguishing agent
- Exterior with weather-resistant, durable, 100% polyester resin coating (free of heavy metal) for a long service life
- With safety bursting disc
- Brass valve fitting



- With wall bracket
- Suitable for electrical installations up to 1000 volts with a minimum distance of 1 m
- Areas of application:

**KS 2 SBS . KS 5 SE . KS 5 AM (Aluminium container)**

- Up to 17 % weight advantage compared to the steel version
- Type KS 2 SBS: Stable wire spring frame can be ordered individually or as a complete unit
- Metal strap as standard on Type KS 5 SE
- Type KS 5 SE: Vehicle mount individually available
- Type KS 5 AM: With a round snow tube, all materials are anti-magnetic, therefore suitable for MRI rooms in hospitals and medical practices
- With cylindrical or flat snow tube in the assortment



**KS 2 ST . KS 5 ST (Steel container)**

- Type KS 2 ST: Wire spring frame separately available
- Type KS 5 ST: With powdered metal strap for mounting on GLORIA standard wall bracket
- Type KS 5 ST: Also available without metal strap for suspension directly on the valve (Art. No. 002031.0000)



Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
KS 2 SBS	001831.0000	CO <sub>2</sub>	K 2	CO <sub>2</sub>	34 B 2	3 m ca. 8,5 Sec.	-30 °C to +60 °C	5,4 kg	520/250/170 mm ø 117 mm
KS 2 SBS With wire holder	001831.3007	CO <sub>2</sub>	K 2	CO <sub>2</sub>	34 B 2	3 m ca. 8,5 Sec.	-30 °C to +60 °C	5,4 kg	513/265/130 mm ø 117 mm
KS 5 SE flat snow pipe	001821.0000	CO <sub>2</sub>	K 5	CO <sub>2</sub>	89 B 5	4-5 m ca. 13,5 Sec.	-30 °C to +60 °C	13,5 kg	700/480/160 mm ø 152 mm
KS 5 SE round snow pipe	001821.1672	CO <sub>2</sub>	K 5	CO <sub>2</sub>	89 B 5	4-5 m ca. 13,5 Sec.	-30 °C to +60 °C	13,5 kg	700/480/160 mm ø 152 mm
KS 5 AM	001801.1683	CO <sub>2</sub>	K 5	CO <sub>2</sub>	89 B 5	4-5 m ca. 13,5 Sec.	-30 °C to +60 °C	13,5 kg	700/480/160 mm ø 152 mm
KS 2 ST	002041.0000	CO <sub>2</sub>	K 2	CO <sub>2</sub>	34 B 2	3 m ca. 8,5 Sec.	-30 °C to +60 °C	6,5 kg	590/250/104 mm ø 104 mm
KS 5 ST flat snow pipe	002031.1790	CO <sub>2</sub>	K 5	CO <sub>2</sub>	89 B 5	4-5 m ca. 13,5 Sec.	-30 °C to +60 °C	14,5 kg	930/400/136 mm ø 136 mm

\* Extinguishing agent units

## Stored pressure fire extinguisher DIN EN 3, GS, MED , BSI



### Stored pressure fire extinguisher with practical squeeze-grip operation

Low-cost standard units for a wide range of applications with simple operating elements. Unlike comfort units with an internal propellant bottle, the container of this Type of unit is constantly under pressure.

#### ■ Main advantages of the continuous pressure fire extinguishers

- Ready for immediate use after the safety pin is pulled out
- Practical devices of the standard class with high extinguishing capacity
- Easy to use hand lever release - for carrying and releasing at the same time
- Extinguishing agent container made of high-quality steel
- Hose line resistant to aging

#### ■ Details and performance features of the continuous pressure fire extinguishers

- Outside with weather-resistant and durable 100% polyester resin coating
- Holder for extinguishing nozzle integrated into foot ring
- Durable brass fitting with integrated test valve
- With wall bracket
- Suitable for electrical installations up to 1000 volts at a minimum distance of 1 m



**SDB 6 . SDB 9**

- High extinguishing performance (183B) on B-fire (12LE) with only 6 litres capacity.
- GLORIA bio-foam with impregnating effect on the source of the fire and the surrounding area
- Special foam nozzle with high surface coverage, enables optimum application of the extinguishing agent.
- Reignitions are largely suppressed.
- Areas of application:



**SD 6 P . SD 9 P . SD 6 E . SD 9 E**

- High extinguishing performance on A and B fires (SD 6/9 P)
- GLORIA bio-foam with impregnating effect on the source of the fire and surroundings
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application:



**SDBF 6 . SDBF 9**

- Frost-proof down to -20 °C
- GLORIA bio-foam with impregnating effect on the source of the fire and the surrounding area
- Special foam nozzle with high surface coverage enables optimum application of the extinguishing agent
- Reignitions are largely suppressed
- Areas of application:




**FDA 3 . FDA 6**

- Burning grease can easily exceed a temperature of more than 1000 °C, is self-igniting and requires a robust and absolutely safe fire extinguisher to prevent flash fires or even grease explosions
- The extinguishing agent, paired with a special atomiser insert, ensures that GLORIA grease fire extinguishers achieve the maximum achievable rating of 75F with a capacity of just 3 litres
- Reignitions are reliably prevented
- GLORIA grease fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates grease fire extinguishing agent
- Areas of application: \*






### PD 4 GA . PD 6 GA . PD 9 GA . PD 12 GA

- Available with and without pressure gauge
- Pressure gauge enables visual pressure control at all times
- With wall bracket as standard
- Optionally available with matching car holder
- Areas of application: 




### PDE 6 . PDM 6 GX . PD 6 GX

- Available with and without pressure gauge
- Pressure gauge enables visual pressure control at all times
- With wall bracket as standard
- Optionally available with matching car holder
- Areas of application: 



### WD 9 . WDPF 9 . WDPH 6 . WDPH 9

- Water extinguisher only with wetting agent (reduces the surface tension of the water)
- enriched without further additives (Type WD 9)
- With wall bracket as standard
- Optionally available with matching car holder
- Type WDPF 9 frost-proof to -30 °C
- Areas of application: 



### ÜL 6

- For optimum fire safety training of security personnel in companies and authorities
- Ideal for learning how to handle and operate a fire extinguisher during a practice fire
- Filling: tap water
- With wall bracket as standard



Manometer  
and Prüfventil



Fußring



Wall bracket



ÜL 6





Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
SDB 6	813681.0000	Premix	S 6 L	N <sub>2</sub>	21A 183B 6 12	ca. 4 m ca. 42 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 540/275/182 mm ø 170 mm
SDB 9	811741.0000	Premix	S 9 L	N <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 65 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SD 6 P	813681.0035	Premix	S 6 L	N <sub>2</sub>	34A 144B 10 9	ca. 4 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 540/275/182 mm ø 170 mm
SD 9 P	811741.0035	Premix	S 9 L	N <sub>2</sub>	43A 183B 12 12	ca. 4 m ca. 48 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SD 6 E	814222.0000	Premix	S 6 L	N <sub>2</sub>	21A 113B 6 6	ca. 4 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 540/275/182 mm ø 170 mm
SD 9 E	814232.0000	Premix	S 9 L	N <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 48 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SDBF 6 <small>available from Q2/24</small>	814201.0000	Premix	S 6 L	N <sub>2</sub>	21A 113B 6 6	ca. 4 m ca. 35 Sec.	-20 °C to +60 °C	ca. 10,9 kg	ca. 540/275/182 mm ø 170 mm
SDBF 9 <small>available from Q2/24</small>	814211.0000	Premix	S 9 L	N <sub>2</sub>	27A 183B 9 12	ca. 4 m ca. 48 Sec.	-20 °C to +60 °C	ca. 15,1 kg	ca. 617/300/202 mm ø 190 mm
FDA 3 <small>available from Q2/24</small>	813651.0000	Wet chemical	W 3 L	N <sub>2</sub>	8A 75F 2 9	ca. 4 m ca. 30 Sec.	-5 °C to +60 °C	ca. 6,4 kg	ca. 432/270/165 ø 150 mm
FDA 6 <small>available from Q2/24</small>	814161.0000	Wet chemical	W 6 L	N <sub>2</sub>	13A 75F 4 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 540/275/182 mm ø 170 mm
PD 4 GA m. M.**	002071.2046	ABC powder	PG 4 L	N <sub>2</sub>	21 A 113 B 5 6	C ca. 6 m ca. 17 Sec.	-30 °C to +60 °C	ca. 6,7 kg	ca. 410/300/165 mm ø ca. 150 mm
PD 6 GA m. M.**	002111.1791	ABC powder	PG 6 L	N <sub>2</sub>	43 A 233 B 12 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,1 kg	ca. 500/270/165 mm ø ca. 150 mm
PD 6 GA	002101.0000	ABC powder	PG 6 L	N <sub>2</sub>	34 A 233 B 10 15	C ca. 6 m ca. 22 Sec.	-30 °C to +60 °C	ca. 9,1 kg	ca. 500/270/165 mm ø ca. 150 mm
PD 9 GA m. M.**	004041.3152	ABC powder	PG 9 L	N <sub>2</sub>	43 A 233 B 12 15	C ca. 7 m ca. 24 Sec.	-30 °C to +60 °C	ca. 13,7 kg	ca. 610/265/185 mm ø ca. 170 mm
PD 12 GA m. M.**	002151.2046	ABC powder	PG 12 L	N <sub>2</sub>	55 A 233 B 15 15	C ca. 7 m ca. 30 Sec.	-30 °C to +60 °C	ca. 17,3 kg	ca. 590/265/205 mm ø ca. 190 mm
PD 12 GA	002141.0000	ABC powder	PG 12 L	N <sub>2</sub>	55 A 233 B 15 15	C ca. 7 m ca. 30 Sec.	-30 °C to +60 °C	ca. 17,3 kg	ca. 590/265/205 mm ø ca. 190 mm
PDE 6	802211.1831	ABC powder	PG 6 L	N <sub>2</sub>	27 A 183 B 9 12	C ca. 6 m ca. 21 Sec.	-30 °C to +60 °C	ca. 9,1 kg	ca. 510/270/160 mm ø ca. 150 mm
PDM 6 GX	802241.0000	ABC powder	PG 6 L	N <sub>2</sub>	55 A 233 B 15 15	C ca. 6 m ca. 21 Sec.	-30 °C to +60 °C	ca. 9,2 kg	ca. 510/270/160 mm ø ca. 150 mm
PD 6 GX	002111.2879	ABC powder	PG 6 L	N <sub>2</sub>	55 A 233 B 15 15	C ca. 6 m ca. 21 Sec.	-30 °C to +60 °C	ca. 9,5 kg	ca. 500/270/160 mm ø ca. 150 mm
WD 9	801671.0000	Water + Additive	W 9 L	N <sub>2</sub>	21 A 6	ca. 4 m ca. 97 Sec.	-30 °C to +60 °C	ca. 14,8 kg	ca. 525/300/200 mm ø ca. 190 mm
WDPF 9	801661.0000	Water + antifreeze	W 9 L	N <sub>2</sub>	21 A 6	ca. 4 m ca. 63 Sec.	-30 °C to +60 °C	ca. 15,2 kg	ca. 610/310/200 mm ø ca. 190 mm
WDPH 6	801721.0000	Water + Additive	W 6 L	N <sub>2</sub>	43 A 12	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 11,0 kg	ca. 540/300/180 mm ø ca. 170 mm
WDPH 9	801731.0000	Water + Additive	W 9 L	N <sub>2</sub>	55 A 15	ca. 4 m ca. 54 Sec.	+5 °C to +60 °C	ca. 15,8 kg	ca. 610/310/200 mm ø ca. 190 mm
ÜL 6***	003061.0000	Water		N <sub>2</sub>		ca. 3-4 m ca. 25 Sec.	0 °C to +40 °C	ca. 12,5 kg	ca. 626/255/205 mm ø ca. 190 mm

\* Extinguishing agent units. If fire extinguishers are intended for both fire classes A+B, the lower LE value applies for the calculation.

\*\* With pressure gauge as standard \*\*\* Not approved as fire extinguisher, pressurisation with commercially available compressor max. 7 bar



## Stored pressure fire extinguisher DIN EN 3, GS, MED , BSI





### Powder and foam fire extinguisher in aluminium or steel design

Due to their compact design and simple operation, the units are suitable for use wherever fast and trouble-free operation is required, e.g. in cars, workshops and kitchens.

#### ■ Main advantages of the compact fire extinguishers

- Compact devices of the standard class with high extinguishing performance
- Single-handed convenience operation or easy-to-use hand lever release - for carrying and releasing at the same time
- High-quality pressure vessels made of high-strength aluminum or steel
- Extinguishing agent jet can be turned off at any time
- Units can be tested and refilled

#### ■ Details and performance features of the compact fire extinguishers

- Exterior with weather-resistant, hard-wearing, 100% polyester resin coating (heavy metal-free) for a long service life
- Smallest external dimensions thanks to special valve and container design
- Valve body made of high-strength materials
- Areas of application:  

## FDA 2\*

- With pressure gauge (enables visual pressure control)
- Environmentally friendly due to targeted and metered application of the extinguishing agent
- Extinguishing agent: 2 litres of special extinguishing agent without environmentally harmful PFOS
- Can be used on electrical systems up to 1000 volts, minimum distance 1 m
- With sturdy holder



## F 2 GM . F 2 G . F 1 G

- Stable car rying handle with color-coded operating elements (Easy Action)
- Rounded edges according to automotive industry specifications
- Comfortable one-hand operation (unlocking and release possible with one hand)
- Aluminum container ( Type F 1 G ) with approx. 20 % weight saving compared to steel



## P 2 GM . P 2 G . P 1 GM

- Rounded edges according to automotive industry specifications
- Comfortable one-hand operation (unlocking and release possible with one hand)









## PD 2 GA . PDE 1 GA

- Carrying handle with operating lever made of sheet steel, painted red
- With pressure gauge
- Simple hand lever fitting



**F 2 GM . F 2 G . P 2 GM . P 2 G . PD 2 GA** can also be used for GGVS transports

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE**	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
 <b>FDA 2</b> <small>available from 02/24</small>	811531.0000	Wet chemical	W 2 L	N <sub>2</sub>	5A 40F 1 3	ca. 2 m/ ca. 12 Sec.	-5 °C to +60 °C	ca. 4,2 kg	ca. 375/131/113 mm ø 113 mm
 <b>F 2 GM***</b>	001873.0000	ABC powder	PG 2 L	N <sub>2</sub>	13A 89 B C 4 5	ca. 4 m ca. 15 Sec.	-30 °C to +60 °C	ca. 3,5 kg	322/115/145 mm ø 110 mm
 <b>F 2 G</b>	001863.0000	ABC powder	PG 2 L	N <sub>2</sub>	13A 89 B C 4 5	ca. 4 m ca. 15 Sec.	-30 °C to +60 °C	ca. 3,5 kg	322/115/145 mm ø 110 mm
<b>F 1 G</b>	001403.0000	ABC powder	PG 1 L	N <sub>2</sub>	8 A 34 B C 2 2	ca. 4 m ca. 9 Sec.	-30 °C to +60 °C	ca. 1,6 kg	270/95/124 mm ø 90 mm
 <b>P 2 GM***</b>	001473.0000	ABC powder	PG 2 L	N <sub>2</sub>	13A 89 B C 4 5	ca. 4 m ca. 15 Sec.	-30 °C to +60 °C	ca. 3,5 kg	322/111/145 mm ø 110 mm
 <b>P 2 G</b>	001463.0000	ABC powder	PG 2 L	N <sub>2</sub>	13A 89 B C 4 5	ca. 4 m ca. 15 Sec.	-30 °C to +60 °C	ca. 3,5 kg	322/111/145 mm ø 110 mm
<b>P 1 G M***</b>	001443.0000	ABC powder	PG 1 L	N <sub>2</sub>	8 A 34 B C 2 2	ca. 4 m ca. 9 Sec.	-30 °C to +60 °C	ca. 2,1 kg	270/95/120 mm ø 90 mm
<b>PDE 1 GA***</b>	001393.0000	ABC powder	PG 1 L	N <sub>2</sub>	8 A 34 B C 2 2	ca. 4 m ca. 9 Sec.	-30 °C to +60 °C	ca. 2,1 kg	280/93/135 mm ø 90 mm
 <b>PD 2 GA***</b>	001493.0000	ABC powder	PG 2 L	N <sub>2</sub>	13A 70 B C 4 4	ca. 4 m ca. 9 Sec.	-30 °C to +60 °C	ca. 3,4 kg	330/115/155 mm ø 110 mm

\* For kitchen operations with deep-fat fryers up to 50 litres, the DGUV (regulation GUV-R111) regulates the use of at least one fire extinguisher with proven suitability for extinguishing cooking oil and cooking fat fires. for extinguishing cooking oil and cooking fat fires with a preferred capacity of 6 litres. For deep-fat fryers with a capacity of up to 100 litres For deep-fat fryers with a capacity of up to 100 litres, at least three fire extinguishers with proven suitability or a stationary extinguishing device must be provided. | \*\*Extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation. | \*\*\*With pressure gauge as standard

## Cartridge operated fire extinguishers EN 1866, MED , BSI




### Foam fire extinguishers in mobile design

The large mobile extinguishers with high extinguishing efficiency are particularly suitable for areas with high fire spread such as hazardous materials stores, laboratories, transformers, and in all areas of aviation.

#### ■ Main advantages of the mobile foam extinguishers

- Certified according to EN 1866
- Designed for practical use by one person
- Space-saving accommodation of the hose line around the extinguishing agent container
- Rotatable and adjustable extinguishing pistol enables targeted fire fighting
- Extinguishing agent container completely made of "stainless" steel
- Tilt resistant due to optimal center of gravity
- Film-forming extinguishing agent, especially suitable for liquid fires

#### ■ Details and performance features of the mobile foam extinguishers

- Outside with weather-resistant and durable coating
- Large wheels (30 cm), ideal for height differences
- Depending on the Type, optional 5 or 10 m high-pressure hose for flexible use
- Built-in safety valve in locking fitting
- Safe storage of the N<sup>2</sup> propellant bottle in the retaining bracket
- Areas of application: 



**SEF 50 S . SDE 50 S** 

- Fluorine-free
- MED approval
- Standardised extinguishing gun with foam tube
- With extinguishing gun, also for electrical systems up to 1000 volts / minimum distance 1 m
- Pressure content product less than 1000, therefore no ZÜS test necessary



Swivel castor and Upright

**SK 50 S . S 50 F 30/10**

- Type SK with environmentally friendly, easy-to-maintain piston cartridge
- With steering control for maximum manoeuvrability, even at hard-to-reach sources of fire
- Separate storage of foam concentrate and water thanks to patented piston cartridge
- Environmentally friendly maintenance and easy refilling of the extinguisher
- The mobile fire extinguisher can be reused when refilling
- Long-lasting foam concentrate with consistently high extinguishing performance
- 100% mixing of the extinguishing agent thanks to the piston principle, even with high viscosity
- Type SK 50 S with maritime approval (MED)
- Type S 50 F 30 frost-proof down to -30°C
- Pressure content product less than 1000, therefore no ZÜS test necessary
- Suitable for electrical systems up to 1000 volts / minimum distance 1 m



Rotatable and stoppable extinguishing pistol



Cartridge







Wide stand

**SEF 150**

- High throw range due to foam pipe, therefore can only be used in de-energised rooms, throw height approx. 9 m
- ZÜS test required



Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE**	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
 <b>SK 50 S</b>	5 m: 810868.2969 10 m: 810869.2969	Foam concentrate + Water	S 50 H	N <sub>2</sub>	IV B 50	ca. 8 m ca. 300 Sec.	5 °C to +60 °C	ca. 84 kg	1050/565/675 mm ø 400 mm
 <b>SEF 50 S</b>	5 m: 810896.2851 10 m: 810899.2851	Premix	S 50 H	N <sub>2</sub>	IV B 50	ca. 8 m ca. 270 Sec.	5 °C to +60 °C	ca. 82 kg	1150/475/570 mm ø 315 mm
 <b>SDE 50 S</b>	5 m: 810870.2851 10 m: 810871.2851	Premix	S 50 L	N <sub>2</sub>	IV B 50	ca. 8 m ca. 240 Sec.	5 °C to +60 °C	ca. 80 kg	1140/450/550 mm ø 315 mm
<b>S50F30</b>	10 m: 000869.3270	Premix	S 50 H	N <sub>2</sub>	IV B 50	ca. 10 m ca. 190 Sec.	-30 °C to +60 °C	ca. 78 kg	1050/565/675 mm ø 400 mm
 <b>SEF 150</b>	10 m: 000830.2851	Premix	S 150 H	N <sub>2</sub>	IV B 50	ca. 10 m ca. 151 Sec.	0 °C to +60 °C	ca. 230 kg	1380/900/700 mm ø 450 mm

\* May only be used on de-energised systems. Also suitable for use with polar solvents.

\*\* Extinguishing agent units. If fire extinguishers are intended for both fire classes A+B, the lower LE value applies for the calculation.



## Cartridge operated fire extinguishers EN 1866, MED







### Powder fire extinguisher in mobile design

The ideal unit for the use on larger fire objects, e.g. industrial plants, warehouses, large/underground garages, parking garages, and heating systems

#### ■ Main advantages of the mobile powder extinguishers

- Tested according to EN 1866
- Designed for practical use by one person
- Space-saving accommodation of the hose line around the extinguishing agent container
- Tilt-proof due to optimal/favorable center of gravity
- Rotatable and adjustable extinguishing pistol enables targeted fire fighting

#### ■ Details and performance features of the mobile powder extinguishers

- Outside with weather-resistant and durable coating
- Large wheels (30 cm), ideal for height differences
- Depending on the Type, optional 5 or 10 m high-pressure hose for flexible use
- Areas of application:    



**P 50 G/5/10 . P 50 SV/5/10 . P 50 M/10**

- Pressure content product less than 1000, therefore no ZÜS test is necessary
- Safe storage of the N<sub>2</sub> propellant bottle in the retaining bracket
- Built-in safety valve in closure fitting
- Large maintenance-friendly filling opening
- With steering control for maximum maneuverability, even in hard-to-reach fire areas
- Type P 50 G with maritime approval (MED)
- Throwing height approx. 10 m (Type P 50 G)
- Type P 50 SV with high-quality potassium sulfate powder, suitable for combined use with foam, with maritime approval
- Type P 50 M with applicator tube for metal fires and 10 m hose



Rotatable and stoppable extinguishing pistol



Swivel castor and Upright



**PEF 50/5/10 . PEF 100/10**

- Pressure content product less than 1000, therefore no ZÜS test is necessary (PEF 50)
- Adjustable attack device, throwing height approx. 5 m
- Types PEF 50, PEF 100 with maritime approval (MED)



Turnable attack device



**PDE 25/5 . PDE 50/5/10**

- optional available with 5 or 10 m high pressure highly flexible hose made of EPDM rubber for flexible use



Wide stand

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
P 50 G	5 m: 000901.2969 10 m: 000906.2969	ABC powder	PG 50 H	N <sub>2</sub>	IV B 60**	ca. 11 m ca. 90 Sec.	-30 °C to +60 °C	ca. 82 kg	1070/475/560 mm ø 300 mm
P 50 SV	5 m: 000901.2975 10 m: 000906.2975	BC powder	P 50 H	N <sub>2</sub>	IV B 60**	ca. 10 - 12 m ca. 90 Sec.	-30 °C to +60 °C	ca. 82 kg	1070/475/560 mm ø 300 mm
P 50 M	10 m: 000907.2976	D powder	PM 50 H	N <sub>2</sub>	D	Streuw. ca. 90 Sec.	-30 °C to +60 °C	ca. 82 kg	1070/475/560 mm ø 300 mm
PEF 50	5 m: 000900.2851 10 m: 000906.2851	ABC powder	PG 50 H	N <sub>2</sub>	IV B 60**	ca. 6 m ca. 40 Sec.	-30 °C to +60 °C	ca. 84 kg	1050/465/550 mm ø 300 mm
PEF 100	10 m: 000820.2851	ABC powder	PG 100 H	N <sub>2</sub>	IV B 125**	ca. 10 - 12 m ca. 75 Sec.	-30 °C to +60 °C	ca. 120 kg	1290/550/770 mm ø 300 mm
PDE 25	5 m: 000881.2851	ABC powder	PG 25 L	N <sub>2</sub>	IV B	ca. 10 - 12 m ca. 21 Sec	-30 °C to +60 °C	ca. 55 kg	1025/390/550 mm ø 245 mm
PDE 50	5 m: 000923.2851 10 m: 000924.2851	ABC powder	PG 50 L	N <sub>2</sub>	IV B	ca. 10 - 12 m ca. 42 Sec	-30 °C to +60 °C	ca. 84 kg	1065/490/670 mm ø 300 mm

\* extinguishing agent units. If fire extinguishers are provided for both fire classes A+B, the lower LE value applies for the calculation.  
 \*\* Calculated on the basis of Type PEF 50.

## Stored pressure fire extinguisher EN 1866, MED



CF 30 C





### Carbon dioxide fire extinguisher in mobile design

The large mobile extinguishers with high extinguishing efficiency are particularly suitable for areas with high fire spread such as hazardous materials stores, laboratories, transformers, and in all areas of aviation.

#### ■ Main advantages of carbon dioxide fire extinguishers

- Approval according to EN 1866
- The snow tube enables a targeted extinguishing agent application
- Highest mobility due to large wide wheels
- Optimal for shipping: frame can be dismantled

#### ■ Details and performance features of the carbon dioxide fire extinguishers

- Compressed gas tank exterior with a weather-resistant and durable coating
- Extinguishing agent tank with safety bursting disc device, test pressure 250 bar
- Excellent stability due to stable tubular chassis
- Valve with circumferential valve protection
- Suitable for electrical systems up to 1000 volts at 1 m minimum distance, above this observe DIN VDE 0132
- Areas of application:    

### CF 10 . CF 20 . CF 30 C . CF 50

- Devices are quickly ready for use due to the rotary valve
- Extinguishing agent jet can be turned off at any time by valve lever
- Additional handles on the insertion tube allow safe and optimal handling
- High-pressure hose as standard:

Type

CF 10 mit 6 m

CF 20 mit 6 m

CF 30 C mit 10 m

CF 50 mit 10 m



Protected rotary valve



Wide, stable wheels, high mobility



Extinguishing agent jet can be shut off by valve lever

Type	Art.-No.	Extinguishing agent	Model	Propellant	Performance LE*	Discharge time/ Discharge range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
CF 10 / 6	000798.2851	CO <sub>2</sub>	K 10	CO <sub>2</sub>	144 B 9	ca. 4 m ca. 17 Sec.	-30 °C to +60 °C	ca. 42 kg	920/350/1050 mm ø 154 mm
CF 20 / 6	000766.2851	CO <sub>2</sub>	K 20	CO <sub>2</sub>	2 x 144 B 18*	ca. 5 m ca. 27 Sec.	-30 °C to +60 °C	ca. 72 kg	1000/490/1050 mm ø 232 mm
CF 30 C / 10	000802.2969	CO <sub>2</sub>	K 30	CO <sub>2</sub>	3 x 144 B 27*	ca. 5 m ca. 30 Sec.	-30 °C to +60 °C	ca. 98 kg	1250/500/700 mm ø 267 mm
CF 50 / 10	000809.2851	CO <sub>2</sub>	K 50	CO <sub>2</sub>	5 x 144 B 45*	ca. 6 m ca. 52 Sec.	-30 °C to +60 °C	ca. 140 kg	1420/600/1400 mm ø 267 mm

\* LE = Determination of the extinguishing agent units (LE) on the basis of performance type CF 10



GLORIA fire blankets are characterised by the highest quality. GLORIA fire blankets can be used for fires and grease fires in commercially available deep fryers and grease fryers with a maximum capacity of 3 litres, as long as it is still possible to approach the source of the fire safely in the event of an emergency. A GLORIA grease fire extinguisher should therefore always be at hand.

### ■ Usage in private sector

Additional protection for the use of commercially available deep fat fryers and fat fryers to max. 3 l capacity, e.g. on the kitchen stove, kitchen cooker, for fondue, deep-frying, frying and in galleys on watercraft

### ■ Product- and Performance features

- Fire blanket made of silicone-coated glass fibre fabric approved according to DIN EN 1869:2001.
- With sewn-on tabs for quick removal of the blanket from the box and further handling
- Weight per unit area approx. 340/m<sup>2</sup>
- In the sturdy hard box with hanging cut-outs
- With instructions for use in German/English/French, folding instructions on the back
- Suitable for commercially available deep fryers and fat fryers to max. 3 l capacity
- Also suitable for extinguishing fires that spread to personal clothing
- Continuous quality controls including fire tests by an independent independent testing institute

For kitchens with deep fryers with a capacity of up to 50 l, the DGUV (Rule GUV-R111) regulates the use of at least one fire extinguisher with proven suitability for extinguishing cooking oil and cooking fat fires with a preferred capacity of 6 l to be kept available. Information on our powerful grease fire extinguishers can be found on page 20ff of this product range.



Fire blanket GLD 1



Fire blanket GLD 120

Type	Art.-No.	Dimensions	Weight	Size of box W x H x D
Fire blanket GLORIA GLD 1	002515.1218	1200 x 1800 mm	ca. 1 kg	17,5 x 20,5 x 4,8 cm
Fire blanket GLORIA GLD 120	002515.1212	1200 x 1200 mm	ca. 0,7 kg	17,5 x 20,5 x 4,8 cm



It is recommended to practice the use of a fire blanket as a precaution in case of emergency without fire according to the instructions for use. Incorrect handling carries the risk of burns. Fire blankets are unsuitable for personal fires! The DGUV recommends the use of fire extinguishers with a minimum distance of 2-3 m for personal fires.



## Fire extinguisher protective cover

### Fire extinguisher all-plastic-protective cover KWH-6 and FS-6/EK

Ideally suited for protecting portable fire extinguishers, for wall mounting.

- The upper part is made of crystal-clear plastic, material PETG.
- The grey bottom part is made of PS-PE, 3 mm thick.
- The back part is equipped with 2 x tension fasteners and 2 x grooves for handles.
- Sealing of the fasteners is possible
- Temperature resistant from -20 °C to +60 °C

#### KWH-6

The following units fit into the cover:

6 kg Powder	EASY, PRO, STAR, F6, P6, PD6, PDE6, PS6, PSE6
9 kg Powder	PRO, STAR, PS9
6 l Foam	EASY, PRO, STAR, SDE6, SD6, SKK6
CO <sub>2</sub>	2 kg Alu, 2 kg Stahl

#### FS-6/EK

The following units fit into the cover:

6 kg Powder	PD6, P6 EASY, PH6 EASY, P6 PRO
6 l Foam	SE+6P, SK6P, SH6P
6 l Water	WH6P



KWH-6 and FS-6 E/K

### Fire extinguisher plastic protection cover KWH-12

Cover for protecting portable fire extinguishers, for wall mounting. Suitable for almost all GLORIA fire extinguishers to 12 kg, also 5 kg CO<sub>2</sub> (only aluminium version).

- The top part is made of crystal-clear plastic, material PETG
- The 3 mm thick bottom part is made of PS material
- Back part with 2 tension locks made of metal, chromated
- Sealing of the fasteners is possible
- Temperature resistant from -20 °C to +60 °C

#### KWH-12

The following units fit into the cover:

12 kg Powder	EASY, PRO, STAR, PD12
9 kg Powder	EASY, PRO, STAR, PD9
9 l Foam	EASY, PRO, STAR, SDE9, SD9
9 l Water	EASY, PRO, STAR, WD9
CO <sub>2</sub>	5 kg Alu



KWH-12

Type	Art.-No	Dimensions, outside (H x W x D in mm)	Dimensions, inside (H x W x D in mm)	Weight (in g)
Fire extinguisher protective cover KWH-6	002511.0001	670 x 365 x 220	630 x 310 x 175	1400
Fire extinguisher protective cover FS-6/EK	002511.0000	620 x 320 x 210	580 x 265 x 160	1390
Fire extinguisher protective cover KWH-12	002520.0000	800 x 360 x 220	760 x 310 x 210	1800

### Fire extinguisher protective cover Truckbox compact - ideal for transporting hazardous goods

To protect and maintain the value of portable fire extinguishers from weather conditions.

- Lightweight and extremely compact design
- Red box injection moulded from polypropylene, with metal base plate - 100% recyclable
- Tried and tested foam inserts and an additional strap secure the extinguisher against vibration
- Triple locking system with two elastic rubber elastic rubber fasteners and additional
- Fire extinguisher symbol embossed in the lid
- Suitable for left and right opening due to 180° rotation
- Temperature resistant from -40 °C to +80 °C
- With assembly instructions, packed in individual cartons

#### Truckbox

Can be used for GLORIA 6 kg fire extinguishers of the lines PRO and STAR with the Types P/PH/PX as well as the Types PS/PSE/PD



Truckbox

### Fire extinguisher protective cover Bigbox for wall and vehicle mounting

To protect and maintain the value of portable fire extinguishers from the effects of weather conditions

- Lightweight and practical design
- Impact-resistant polypropylene, REACH-compliant
- Splash water protection due to all-round rubber seal
- Top part red with viewing window, connected to the hinges to the lower part
- Back part black
- Box can be optionally sealed
- Two ergonomic latches with strong lever action against unintentional opening
- With assembly instructions, packed in individual cartons
- Temperature resistance depending to the information on the fire extinguisher
- Made in the EU



Bigbox

**Additional features BigBox**

- With TÜV sticker (vibration test confirmed by TÜV Rheinland).
- A nylon strap (red) with tension lock and extra scratch protection is used to fix the fire extinguisher. Fire extinguisher symbol embossed twice in the lid
- Suitable for left- and right-hand opening due to 180° rotation
- When attached to the vehicle, the set weight of a fire extinguisher is limited to 12 kg
- Can be used for many GLORIA powder and wet extinguishers to 9 kg / l capacity (see adjacent table)

**Bigbox**

Fits the following units with diameters from 140-195 mm

- 4 kg Stored pressure extinguisher
- 6 kg Cartridge-operated extinguisher EASY, PRO, STAR
- 6 kg Stored pressure extinguisher
- 9 kg Cartridge-operated extinguisher EASY, PRO, STAR
- 9 kg Stored pressure extinguisher
- 3 l Cartridge-operated extinguisher
- 6 l Cartridge-operated extinguisher EASY, PRO, STAR
- 6 l Stored pressure extinguisher
- 9 l Cartridge-operated extinguisher EASY, PRO, STAR
- 9 l Stored pressure extinguisher

**Additional features BigBox XL**

- A tension belt with quick release button (red) is used to fix the fire extinguisher in place
- Sticker with fire extinguisher symbol according to ISO 7010 included in scope of delivery
- When attached to the vehicle, the set weight of a fire extinguisher is limited to 15 kg
- Can be used for many GLORIA powder and wet extinguishers to 12 kg or 9 l capacity (see table below).

**BigBox XL**

Fits the following units with diameters of at least 140 mm-195 mm

- 12 kg Stored pressure extinguisher
- 12 kg Cartridge-operated extinguisher EASY, PRO, STAR
- 9 l Cartridge-operated extinguisher EASY, PRO, STAR
- 9 l Stored pressure extinguisher
- 5 kg Carbon dioxide Type KS 5 SE with flat snow horn



Bigbox XL

Type	Art.-No	Dimensions, exterior (H x W x D in mm)	Dimensions, interior (H x W x D in mm)	Weight (in g)
Truckbox, compact	002513.0000	560 x 300 x 180	540 x 250 x 160	2500
Bigbox	002513.0001	643 x 279 x 227	585 x 230 x 190	2500
Bigbox XL	002513.0012	770 x 310 x 260	700 x 200 x 210	4900

■ **Material:**

- Polyester
- waterproof
- UV-resistant



Textile protective covers, for 6 kg units



Grid foil, for 6 kg units



Textile protective covers,  
for 12 kg units



Textile protective covers,  
for 50 kg units

Type	Art.-No
Textile protective cover, orange, for 6 kg units	925704.0000
Textile protective cover, yellow, for 6 kg units	925705.0000
Grid foil, transparent, for 6 kg units	902200.0000
Textile protective cover, orange, for 12 kg units*	925661.0000
Textile protective cover, yellow, for 12 kg units*	925662.0000
Grid foil, transparent, for 12 kg units*	902210.0000
Textile protective cover, yellow, for 50 kg units	925663.0000
Textile protective cover, orange, for 50 kg units	925664.0000

\* also 5 kg CO<sub>2</sub> (aluminium version)only)





**Decorative stand column  
Stainless steel**

- High-quality, compact pedestal made of non stainless steel 1.4301
- For space-saving, quick and decorative storage of a portable fire extinguisher.



**Fire extinguisher stand metal**

- Fire extinguisher stand black lacquered
- Square base
- With holder for fireextinguisher with 3/6/9 l or 4/6/9/12 kg capacity
- With plastic glides on the base
- Also suitable for KS 5









**Design Stand**

The shapely, timeless design, the variable removal height of the fire extinguishers and good stability make this stand stand out.







- For portable fire extinguishers with 3/6/9 l or 4/6/9/12 kg capacity
- Also for 5 kg CO2 extinguishers (aluminium version only).
- Colour: Black RAL 9005
- High-quality lacquer finish
- With fastening possibility on the floor

Type	Art.-No	Dimensions	Packaging size
Decorative stand column, stainless steel	002564.0000	Height: 800 mm, ø: 305 mm	1 piece
Fire extinguisher metal stand	002566.0036	Height: 780 mm, Poistional dimension: 450 x 330 mm	5 piece
Design Stand	002538.0000	Height: 700 mm, Base ø: 300 mm	1 piece




Illustration	Type	Art.-No.	Areas of application
	Wall bracket	300150.0000	For all portable fire extinguishers (Exception: car fire extinguishers and 2 kg CO2 fire extinguishers)
	Wall hook	151165.0000 151166.0000	KS 2 (aluminium and steel) from approx. October 2009 KS 5 (steel) from October 2009
	Car holder, lacquered (Adjustable tensioning strap)	352988.0000 354930.0000	Ø 150 mm, for 6 kg powder fire extinguishers of the STAR/PRO/EASY lines, P 6, PSE 6, PS 6, PEP 6, Pi 6, PSP 6, conditionally also for PD 6, PDE 6 and PG 6 DB
	Car holder, lacquered *	353078.0000	Ø 150 mm, for 6 kg powder fire extinguishers such as PD 6, PDE 6
	Car holder, lacquered *	353082.0000	Ø 150 mm, for 6 litre wet fire extinguishers from the STAR/PRO/EASY lines, SKK 6, SE 6, Si 6, Wi 6, SD 6
	Car holder, lacquered *	353080.0000 356860.0000 with slotted hole	Ø 150 mm, for 4 kg powder fire extinguishers and 3 litre wet extinguishers such as PD 4, FB 3 EASY, SFi 3, W 3 D
	Car holder, lacquered *	352768.0000	Ø 170 mm, for 9 kg Powder fire extinguishers of the STAR/PRO/EASY Lines, PS 9, PSE 9, PD 9 and PG 9 DB
	Car holder, lacquered *	354496.0000	Ø 170 mm, for 6 l Wet fire extinguishers like S 6, W 6, S 6 D, Si 6 DWB, Wi 6 DB, SDPHE 6
	Car holder, lacquered *	353084.0000	Ø 190 mm, for 12 kg Powder fire extinguishers and 9 l Wet extinguishers from the STAR/ PRO/EASY Lines, P 12, PS 12, PEP 12, PSP 12, Pi 12, PD 12, PDE 12, SKK 9, SE 9, Si 9, Wi 9, W 9 D, S 9 D, SDPHE 9, WDPF 9, SHKE 9, SDPHE 9
	Car holder, lacquered *	356696.0000	Ø 190 mm, for 9 l Wet fire extinguishers like SD 9, WD 9
	Car holder, lacquered * Adjustable tensioning strap	353887.0000	Ø 152 mm, for KS 5 SE (aluminium version)
	Ship holder, lacquered, Adjustable tensioning strap	302290.0000	Ø 150–170 mm, for 6 kg Powder fire extinguishers of the STAR/PRO/EASY Lines, P 6, PSE 6, PS 6, PEP 6, Pi 6, PSP 6, PD 6, PDE 6, 6 l Wet extinguishers from the STAR/PRO/EASY Lines, SKK 6, SE 6, Si 6, Wi 6, SD 6, KS 5 SE (aluminium version), conditionally also KS 5 ST (steel version) However, the tensioning strap sits very low
	Ship holder, lacquered	338450.0000	Ø 150 mm, for 6 kg Powder fire extinguishers of the STAR/PRO/EASY Lines, P 6, PSE 6, PS 6, PEP 6, Pi 6, PSP 6, PD 6, PDE 6, Ø 150 mm, for 6 l Wet extinguishers from the STAR/PRO/EASY Lines, SKK 6, SE 6, Si 6, Wi 6, SD 6

\* Illustration similar

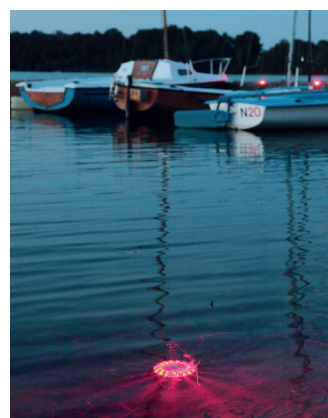
Illustration	Type	Art.-No.	Areas of application
	Ship holder, lacquered	338460.0000	Ø 190 mm, for 12 kg Powder fire extinguishers and 9 l Wet fire extinguisher of the STAR-/PRO-/EASY-Lines, P 12, PS 12, PEP 12, PSP 12, Pi 12, PD 12, PDE 12 (as well as PS 9, PD 9 until approx. end of 2003), SKK 9, SE 9, Si 9, Wi 9, W 9 D, S 9 D
	Wire holder, lacquered (for bus/train/ship/ construction vehicles)	310410.0000	Ø 150 mm, for 6 kg Powder fire extinguisher of the STAR-/PRO-/EASY- Lines, P 6, PS 6, PEP 6, Pi 6
	Wire holder	356166.0000	Ø 117 mm, for KS 2 (aluminium version) with a bottle height of 412 mm, from approx. January 2004
	Wire holder *	356199.0000	Ø 104 mm, KS 2 (steel version), from January 2009
	Wire holder *	353810.0000	Ø 117 mm, KS 2 (aluminium version), with a bottle height of 440 mm, from approx. June 2002 to December 2003
	Wire holder	351699.0000	Ø 108 mm, S 2 LW, from approx. February 1997
	Special bracket, lacquered (for bus/train/ship/ construction vehicles)	355344.0000	Ø 150 mm, 6 kg Powder fire extinguisher of the STAR-/PRO-/EASY-Lines, PSE 6, PS 6, PK 6 P
	Special bracket, lacquered (for bus/train/ship/ construction vehicles)	351553.0000	Ø 150 mm, for 6 kg Powder fire extinguisher like F 6, der STAR-/PRO-/EASY- Lines, PSE 6, PS 6 Ø 150 mm, 6 l Wet fire extinguisher of the STAR-/PRO-/EASY-Lines, SKK 6, SE 6, Si 6, Wi 6, SD 6

\* Illustration similar

Illustration	Type	Art.-No.	Areas of application
	Car holder, 2-part consisting of:	350937.0000	F1/P1 (aluminium container)
	Holder back part (single)	148969.0000	F1/P1 (aluminium container)
	KS tensioning strap (single)	350757.0000	F1/P1/PDE 1
	Holder back part (single)	150164.0000	PDE 1 (steel container)
	Car holder, 3-part consisting of:	350938.0000	F2/P2/PD 2
	Holder back part (single)	148984.0000	F2/P2/PD 2
	KS tensioning strap (single)	350789.0000	F2/P2/PD 2
	Car holder, 2-part consisting of:	351344.0000	P2/PD 2
	Wire holder (single)	350482.0000	P2/PD 2
	KS tensioning strap (single)	350789.0000	F2/P2/PD 2
	Textile tensioning strap (single)	350120.0000	F2/P2/PD 2
	Textile tensioning strap (with lobster clasp)	319400.0000	P2/PD 2
	Metal tensioning strap	312320.0000	F2/P2/PD 2
	Press tensioning strap (with automatic quick-release fastener)	317400.0000	F2 / P2 / PD 2

## The GLORIA Safety Flashlight for Emergencies!

High-quality branded device for securing danger zones in private areas, e.g. in the event of accidents, especially at night. Ideally suited for self-protection or marking on private property or company premises. Objects. Not approved for use on public roads.



Waterproof and floatable

### ■ Main advantages

- 16 ultra-bright, red LED lights
- Recognisable at night up to 1000 m in a straight line with clear visibility
- Maximum battery life of up to 70 hours (depending on light programme)
- Waterproof and floatable

### ■ Details and features

- 9 light programmes: Rotation, double flasher, single flasher, alternating light, SOS Morse code, Permanent light: 1 x strong and 1 x weak luminosity, 2 LED flashlight, 4 LED flashlight
- Ready for immediate use thanks to powerful 3V lithium battery type CR 123A
- Very good temperature resistance from -40°C to +60°C
- With hanging loop
- Easy to operate
- Recessed switch (prevents unintentional operation)
- Extremely break-proof and resilient thanks to the use of high-strength plastics and flexible TPR plastic protection
- Dustproof and robust
- 360° field of vision
- All materials used are REACH-compliant
- Very compact external dimensions (dimensions Ø approx. 10.5 cm, height 3.5 cm)
- Lightweight at only 200 g
- German/English operating instructions
- Illustrated instructions for easy battery replacement included in the scope of delivery

Type	Art.-No.	Light programmes	Number of LEDs	Functional duration depending on light programme	Dimensions (ø x h)	Weight	Temperature range	Battery
WB red LED	002519.0000	9	16	up to 70 hours	105 x 35 mm	ca. 200 g	-40°C to +60°C	3 V lithium battery CR 123 A

## Fire simulation with the FTR50 DIN 14097 - GDG, DIN VDE 100-410

The FTR50 from GLORIA is a compact fire simulator - ideally suited for practical fire protection training and instruction of employees as well as for customer presentations.

The fire simulator impresses with its reliable and simple operation and the versatile use of the dummies.

### ■ Areas of application

- Training courses
- Instruction
- Customer and company presentations

### ■ Product and performance features

- Easy and safe one-hand operation
- Wide range of available simulation dummies
- Easy to transport due to compact design (car trunk)
- Can be operated by only one person
- Made of high-quality stainless steel, no corrosion possible and easy to clean



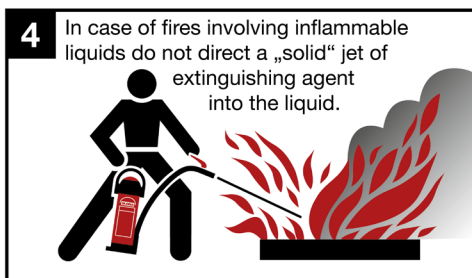
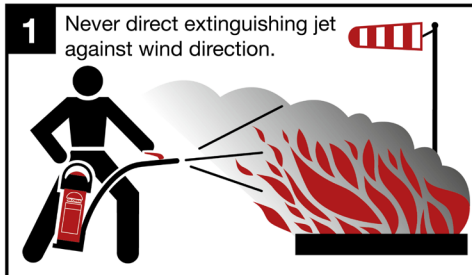
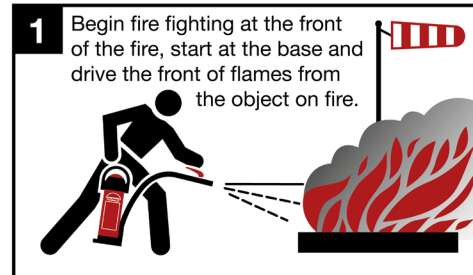










Basic module FTR50 consisting of:

- Basic unit
- Area fire dummy
- Two cables for power and gas supply
- One control unit with 10 m cable
- Two bags



Type	Art.-No	Material	Dimensions (H x W x D)	Weight	Power supply
Basic module FTR50 consisting of Tub Area fire dummy Cable	002567.0000	Stainless steel	235 x 505 x 505 mm	22 kg 1,7 kg 4,5 kg	220V / 50Hz
1 Fat fire dummy	927421.0000	Stainless steel	580 x 230 x 280 mm	5 kg	--
2 Screen dummy	927892.0000	Stainless steel	610 x 600 x 290 mm	10 kg	--
3 Campfire dummy	927423.0000	Stainless steel	H: 80 mm Ø: 500 mm	18 kg	--
4 Dummy spray can	927424.0000	Stainless steel	600 x 220 x 220 mm	8 kg	--
5 Electric motor dummy	927425.0000	Stainless steel	360 x 380 x 240 mm	9 kg	--
6 Pipe burst dummy	927426.0000	Stainless steel	340 x 280 x 160 mm	4,5 kg	--
7 Wastepaper bin dummy	927427.0000	Stainless steel	300 x 300 x 300 mm	5,5 kg	--
8 Aerosol cartouche	927896.0000	Aluminium	175 mm / Ø 65 mm		

**wrong****correct**

	Fire Class	 <b>A</b>	 <b>B</b>	 <b>C</b>	 <b>D</b>	 <b>F</b>
		Fires caused by combustion of solid material, mainly of organic origin, which normally burn under production of embers, e.g. car tyres, straw, wood, paper, coal, textiles	Fires caused by combustion of liquids or materials that liquify, e.g. ether, alcohol, petrol, benzene oils, fats, paints, tar, stearin, paraffin	Fires caused by combustion of gases, e.g. acetylene, natural gas, methane, propane, city gas, hydrogen	Fires caused by combustion of metals, e.g. aluminium, potassium and their alloys, lithium, magnesium, sodium	Fires caused by combustion of cooking oils and cooking fat
Powder fire extinguisher with ember extinguishing powder	<b>PG</b>	●	●	●		
Powder fire extinguisher with metal extinguishing powder	<b>PM</b>				●	
Powder fire extinguisher with special powder	<b>P</b>		●	●		
CO <sub>2</sub> fire extinguisher	<b>K</b>		●			
Water fire extinguisher 	<b>W</b>	●				
Fat fire extinguisher with special liquid extinguishing agent 	<b>F</b>	●				●
Fluorine-free foam fire extinguisher 	<b>S</b>	●	●			

Explanation of symbol: ● suitable and authorised

Fire extinguishers must be serviced after use or accidental operation, latest after two years e.g. by an authorized GLORIA service agent. They have to be made ready for use again.

In commercial use, a periodical maintenance after latest two years - even at non-use - is mandatory acc. to DIN 14406, Part 4







# GLORIA®

## Safety first

For more than seven decades, we have been the right contact for questions about preventive fire protection products. During this time, we have been able to gain a lot of experience, optimise our products and adapt them to current requirements.

Our focus are fire extinguishers, of which we offer a wide range of portable and mobile models.

Another main focus is on our smoke and CO detectors from our own production. These are highly reliable and come with manufacturer's warranties of up to 10 years. With our sophisticated range of accessories and spare parts, we create the safety you need.

The portfolio is rounded off by both internal and external training courses and seminars. Especially with our VR Fire Trainer, we are breaking new ground and setting the course for a new type of fire extinguishing training in the virtual world.



**Portable Fire Extinguishers**



**Mobile Extinguishers**



**Smoke detectors**



**CO detectors**



**Training, Seminars,  
Information**



**Accessories, Spare Parts,  
Extinguishing water systems „dry“**



**VR Fire Trainer**

Presented by:

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