

Product catalogue



GLORIA®

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Tradition – Innovation – Quality

Our position as a leading European manufacturer of fire extinguishing devices and other means of fire protection is based on tradition, experience and expertise dating back to 1945.

Products of the highest quality, customer orientation and innovation are the key factors leading to this success.

We combine tradition with innovation.

GLORIA, a division of United Technologies Building & Industrial Systems, offers a customised programme for preventive fire protection in all areas of industry and craft, commerce and administration and also in individual households. Thanks to GLORIA's network of authorised distribution and service partners across Europe, the Middle East and Africa, GLORIA guarantees constant readiness to use fire extinguishing devices and systems as well as competent and qualified on-site advice in matters related to fire protection.

Our product range includes portable and mobile fire extinguishers, smoke detectors and accessories such as covers and stands. We also offer fire extinguisher containers, fire extinguishing systems for protection of buildings, wall hydrants, pressure boosting systems and stationary extinguishing systems. Our offer is complemented by adequate product training as well as a wide range of services.

Fire extinguishers and maintenance

All fire extinguishers are type-tested and approved in Germany, as well as in many other countries. This inspection confirms that these devices meet certain minimum requirements. In addition, the maximum extinguishing performance is determined for different classes of fire.



The readiness to use the fire extinguishers must be ensured by experts in accordance with DIN 14406-4 at regular intervals which cannot exceed a period of two years. This so-called maintenance is regulated by DIN 14 406, Part 4, and by the German Ordinance on Occupational Health and Safety. Regular maintenance is also recommended for individuals or individual households to ensure the safety of you and your family.

GLORIA network

A network of authorised Gloria distributors and service partners offer you:

- » Comprehensive local advice in all matters relating to preventive fire protection
- » Instructions for use of portable fire extinguishers
- » Expertise in local legislation (e.g. DIN 14406, Part 4) through education and regular supplementary training
- » Approved extinguishing agents, propellants and spare parts
- » Inspections, lining control, maintenance of fire extinguishers and other fire fighting products
- » Regularly trained and experienced technicians

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GLORIA – Always the right decision!

GLORIA – one of the largest and leading fire extinguisher brands in Europe founded in 1945. **GLORIA** offers an extensive portfolio of portable fire extinguishers, fire systems, hydrant cabinets, hose reels and wide range of accessories. Since 2006 manufacturing site has been located in Ropczyce (Poland) and organized by company **UTC CCS Manufacturing Polska Sp. z o.o.** – a part of United Technologies Corporation, to which several well-known companies belong “Otis”, “Carrier” and “Pratt&Witney”. Total yearly production exceeds 2,5 mln portable fire extinguishers and our certified processes are based on the following standards: ISO9001:2008, ISO14001:2004 and ISO/TS16949:2009

GLORIA offers safety professionals and fire safety experts a customized program for fire prevention. Our comprehensive network of GLORIA distributors and service partners guarantee expert advice in all your fire protection issues. GLORIA is also accredited by a variety of distributors represented throughout Europe.

Nowadays, preventive fire protection has become an extremely important factor in all sections of industry or craft, trade and administration. For this reason, it is GLORIA's mission to provide security professionals with the latest fire protection technologies. We are actively involved in the design of DIN standards and other regulations and participate in the association's work in the field of fire protection. GLORIA has developed a comprehensive training program that takes into account both various control options as well as innovative technologies, further developments, but also the latest standards and regulations to train interested people professionally.

GLORIA's success is based on a product portfolio tailored to customer needs, future-oriented research and development, increased service quality and dedicated employees promoting its European market leadership success.

We place emphasis on three key success factors – the 3Ps success:

PEOPLE

Responsibility/Trust
Experience/Competence
Loyalty/Communication
Engagement/Reaction
Time/Customer Orientation

PERFORMANCE

Information/Support
Problem Solver
Market Access/Network
Client Development
Trade/Logistic/Training

PRODUCT

Brand/Product
Range/Quality
Innovation

Your benefits when working with GLORIA:

- » We concentrate on our customers who constantly call for the best quality products, our best performance and the most dedicated employees
- » We offer extensive expertise and know-how
- » We are the largest manufacturer of portable fire extinguishers in Europe
- » We have quick response times and comprehensive service partners and a distributors network across Europe

Your GLORIA Team

DESIGN LINE with automatic charging or strike button

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



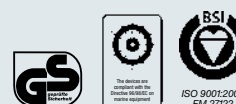
Be unique - choose DESIGN LINE

Unmatched comfort of operating, the highest quality of components together with extinguishing results in a top-class device



The main advantages of DESIGN LINE

- » Consistent uniformity: the operating elements and containers with extinguishing agents (6 l/kg)
- » Clear operating instruction: green indicator informs of the readiness of a device, pulling the yellow safety clip removes the green indicator, a large easy to strike button with a coloured pictogram
- » The "AL" variant: immediate readiness to extinguish with intuitive refilling devices:
Pulling the safety pin will automatically puncture the CO₂ cylinder and charge the fire extinguisher
- » The "AL" variant is equipped with a red valve body with a high impact strength
- » All valve components with standardised threads
- » A very long, integrated, resistant to bending hose with a carrying handle
- » Additional protection of hose

DESIGN LINE with automatic charging or strike button**Cartridge-operated fire extinguishers**DIN EN 3, GS, MED 

- » Featuring integrated diptube
- » AL variant: red colour of skirts
- » Recessed area for marking the device on the skirt
- » Assembly and disassembly holes protected against tampering

*Release via strike button***Details and performance characteristics of the F 6 DESIGN LINE****Refillable fire extinguishers with foam cartridges F 6 SKK AL . F 6 SKK**

- » The highest performance (233B) in the case of class B fire with a capacity of merely 6 litres
- » A very intense effect of the wetting extinguishing agent causes cooling and suppression
- » Placing the foam concentrate separately in the pre-assembled cartridge (fixed cartridge!), separately from the water – very easy to service
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » A special spray nozzle, with the high degree of surface coverage for optimum distribution of extinguishing agent, mostly suppresses reignition
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 26 27 31 32 33 37 39 40 41 42**

**Refillable foam extinguisher F 6 Ni+AL . F 6 Ni+**

- » Excellent extinguishing performance in the case of class A and B fires
- » A special foam nozzle with a significant discharge range allows for optimal surface coverage
- » The beige colour code indicates a foam extinguishing agent
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**

**Refillable foam extinguisher F 6 GX AL . F 6 GX . F 6 G**

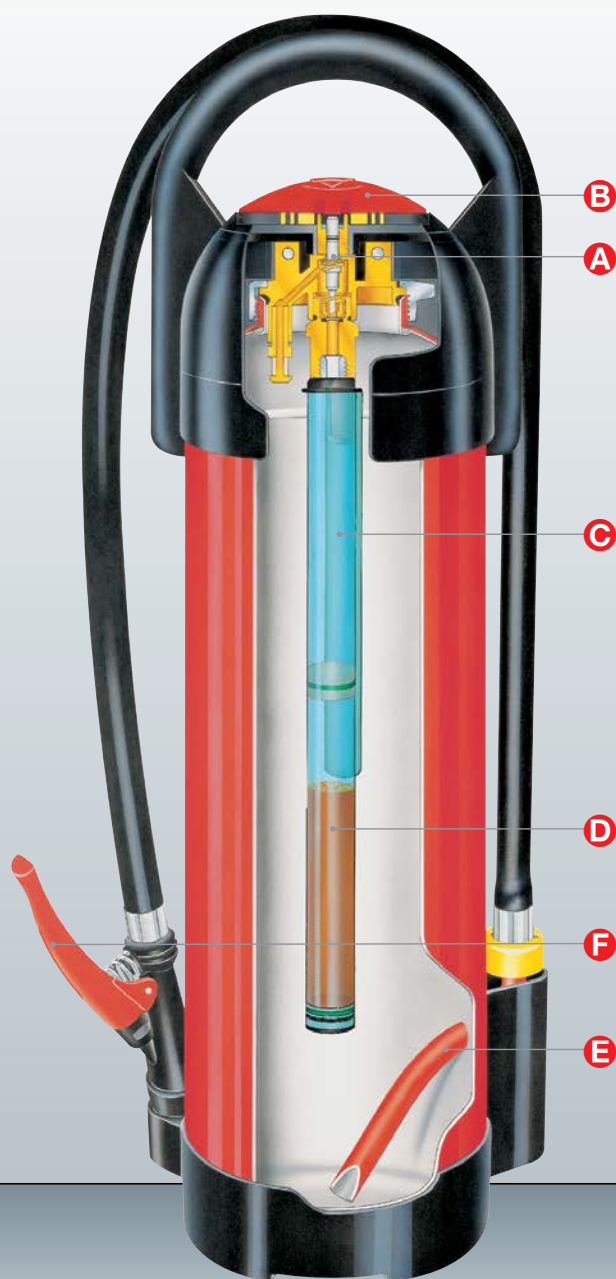
- » Best performance in the event of class A and B fire, in each case (type F 6 GX AL + F 6 GX)
- » Nearly universal application
- » Immediate, fast extinguishing due to the effect of cooling and suppression, enriched with an anti-catalytic effect
- » GLORIA extinguishing powders are hydrophobic and non-toxic
- » Fields of application: **2 3 9 12 16 18 19 34 37 41 42 43 44**



DESIGN LINE with automatic charging or strike button

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



Operating procedure (operating lever activation)

- » Pull the **yellow safety clip A**.
- » Using the **strike button B** causes piercing of the **CO₂ cylinder** with a **blade C**.
- » CO₂ immediately enters the cartridge through a **piston D** through a tube and pushes the foam-forming concentrate out of the piston from the cartridge while ensuring 100% mixing and increasing the pressure in the extinguisher.
- » The mixture of water and foam flows through the diptube to the **E hose**.
- » Dosing the agent is possible due to the rotating and suppressible **pistol F**.

DESIGN LINE with automatic charging or strike button

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



Details (refilling automatics)





Pulling the yellow safety clip



Red information plate



Very long fire hose

Type	Part number	Extinguishing agent/ quantity	Model	Propellant	Propellant performance	Extinguishing stream range/ discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
F 6 SKK AL DESIGN	002981.1897	Foam-forming concentrate in cartridge + water 6 l	S 6 H	CO ₂	21A 233B	ca. 5 m ca. 31 s	0°C to 60°C	ca. 11.2 kg	ca. 630/216/183 mm Ø 150 mm
F 6 SKK DESIGN	002981.0000	Foam-forming concentrate in cartridge + water 6 l	S 6 H	CO ₂	21A 233B	ca. 5 m ca. 31 s	0°C to 60°C	ca. 11.2 kg	ca. 630/216/183 mm Ø 150 mm
F 6 Ni+ AL DESIGN	002971.1958	High-performance foam/6 l	S 6 H	CO ₂	34A 183B	ca. 4 m ca. 44 s	5°C to 60°C	ca. 11.7 kg	ca. 630/216/183 mm Ø 150 mm
F 6 Ni+ DESIGN	002971.1957	High-performance foam/6 l	S 6 H	CO ₂	34A 183B	ca. 4 m ca. 44 s	5°C to 60°C	ca. 11.7 kg	ca. 630/216/183 mm Ø 150 mm
 F 6 GX AL DESIGN	000421.1930	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	55A 233B C	ca. 5 m ca. 20 s	-30°C to +60°C	ca. 10.1 kg	ca. 550/280/165 mm Ø 150 mm
 F 6 GX DESIGN	000421.1909	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	55A 233B C	ca. 5 m ca. 20 s	-30°C to +60°C	ca. 14 kg	ca. 595/300/165 mm Ø 170 mm
F 6 G DESIGN	000421.0000	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43A 233B C	ca. 5 m ca. 20 s	-30°C to +60°C	ca. 10.1 kg	ca. 550/280/165 mm Ø 150 mm

STAR LINE with half-automatic operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI



Be practical - choose STAR LINE

Innovative semi-automatics: unlock – lift – done!

GLORIA automatic operation has been designed for intuitive use.

The innovative and compact appearance of fittings is characteristic for GLORIA's unique and typical style.

This series is marked by performance, cost-efficiency and design which form a post-modern symbiosis.



The main advantages of STAR LINE

- » An extensive performance portfolio in terms of extinguishing agents: foam (6 and 9 l) and powder (6, 9 and 12 kg) as well as high performance water devices (6 and 9 l)
- » A stable handle allows easy carrying and makes the device practical in use
- » Highly durable valve body reinforced with fibre glass
- » In addition, it is solid, resistant to tension, highly resistant to chemicals, moisture-resistant, corrosion-resistant, resistant to high temperatures, UV-resistant
- » All valve components with standardised neck rings
- » A common neck ring M 74
- » Common, black anodised, metal coupling nut

**What is bio-foam?*

There are many eco-labels in Europe which are used to mark products with high standards in relation to their efficiency as well as their environmental compatibility. Extinguishing foams are considered particularly environmentally friendly if they demonstrate a maximum fluorosurfactant content of 0.04% of the total content. Only then bio-foams are consistent with the Milieukeur eco-label. The highly efficient GLORIA bio-foam is compliant with this criterion.

STAR LINE with half-automatic operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED  BSI



Details and performance characteristics of the STAR LINE

Refillable foam extinguisher SE+

- » Excellent extinguishing performance in the case of class A and B fires
- » The GLORIA bio-foam with agents affecting the impact of fire in the surrounding area
- » A special foam nozzle with a significant casting range allows for optimal surface coverage with bio-foam
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » Friendly towards the environment: the GLORIA bio-foam* is biodegradable in more than 99% and compliant with the Milieukeur ecological certificate
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**



Refillable foam extinguisher SK

- » The highest performance (233B) in the case of class B fire with a capacity of merely 6 litres
- » A very intense effect of the wet extinguishing agent causes cooling and suppression
- » Foam concentrate is stored in a pre-assembled (fixed cartridge!), separately from water – very easy to service
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » A special spray nozzle with a high degree of surface coverage allows for optimum distribution of the extinguishing agent
- » The extinguishing agent mostly suppresses reignition
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 26 27 31 32 33 37 39 40 41 42**



Refillable foam extinguisher SH

- » The maximum achievable extinguishing rating effectiveness rate with 9 l, already with capacity of 6 l
- » Highly efficient Gloria foam affects the impact of a fire in the surrounding area by creating a sealing film which prevents reignition
- » A special foam nozzle with a significant coverage range allows for optimal surface coverage with a highly efficient bio-foam
- » Preventing rapid spread of fire due to a very long time of sealing of the flammable material; reignition is largely suppressed
- » The beige colour code indicates a foam extinguishing agent
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**



Refillable water extinguisher WH

- » Water extinguisher of the best parameters: type WH 9 with 43A – in addition, it is environmentally friendly
- » The blue colour code indicates a water extinguishing agent
- » Fields of application: **1 4 5 6 17 20 24 30 36 37 38 39 40**



Refillable powder extinguisher PX . PH . P

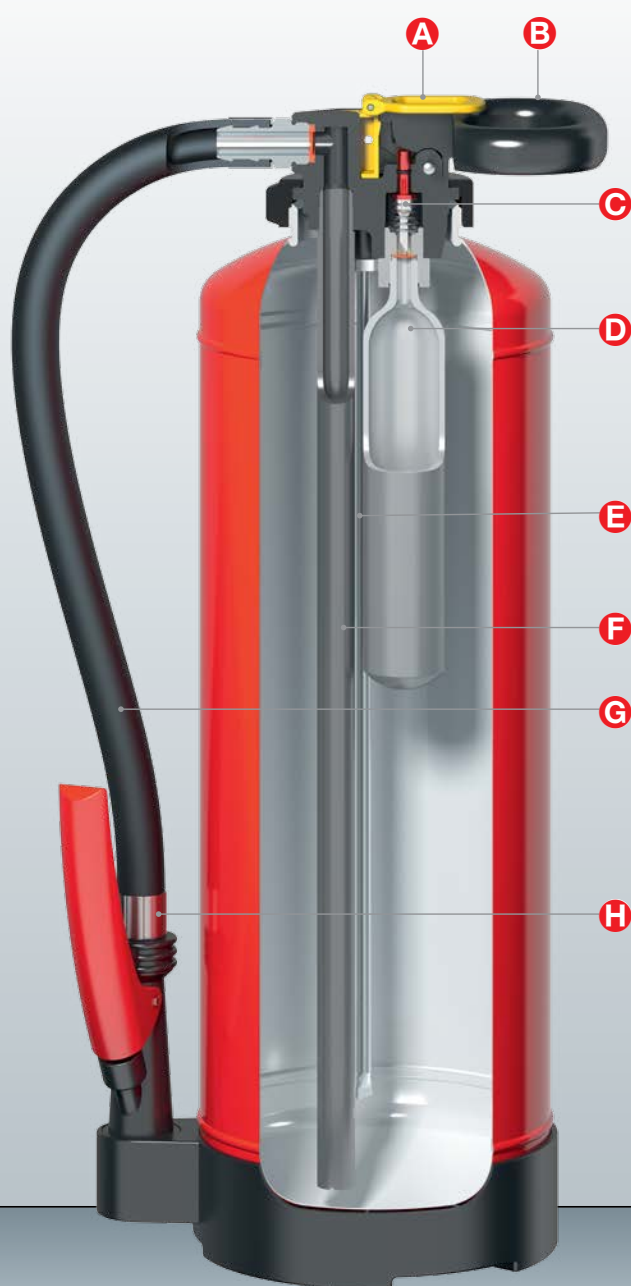
- » The PX 6 STAR type as a highly efficient device with rating 55A
- » Environmentally friendly ABC extinguishing powder of variable capacity
- » Nearly universal application
- » Immediate, fast extinguishing due to the effect of cooling and suppression, enriched with an anti-catalytic effect
- » Reignition in the case of fires of solids is suppressed
- » The grey colour code indicates a powder extinguishing agent
- » GLORIA extinguishing powders are hydrophobic and non-toxic
- » Fields of application: **2 3 9 12 16 18 19 34 37 41 42 43 44**



STAR LINE with half-automatic operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI



Mode of operation

- » Pull the **yellow A** safety clip.
- » Lifting the **handle B** causes automatic puncture of the **C CO₂ cartridge** with a **pin D**.
- » CO₂ immediately enters the **cylinder E** and pushes the piston with the foam-forming concentrate into the container. The water and the foam-forming agent are optimally mixed.
- » The foam mixture enters through the **diptube F** to the **hose G**.
- » The **rotating pistol H** allows the targeted and large-scale fire-fighting.

STAR LINE with half-automatic operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI













Application



Unlock,
lift, ...



...done!

Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/ discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
SE+ 6 STAR	803781.3025	Impregnating bio-foam 6 l	S 6 H	CO ₂	34A 183B	ca. 5 m ca. 70 s	0°C to 60°C	ca. 10.1 kg	ca. 540/280/165 mm Ø 150 mm
SE+ 9 STAR	803791.3025	Impregnating bio-foam 9 l	S 9 H	CO ₂	43A 233B	ca. 5 m ca. 90 s	0°C to 60°C	ca. 15.3 kg	ca. 575/280/205 mm Ø 150 mm
 SK 6 STAR	803761.0000	0.120 l of foam-forming concentrate, 5.880 l of water	S 6 H	CO ₂	21A 233B	ca. 5 m ca. 30 s	5°C to 60°C	ca. 10.1 kg	ca. 540/280/165 mm Ø 150 mm
 SK 9 STAR	803771.0000	0.180 l of foam-forming concentrate, 8.820 l of water	S 9 H	CO ₂	27A 233B	ca. 5 m ca. 54 s	5°C to 60°C	ca. 15.3 kg	ca. 575/280/205 mm Ø 190 mm
 SH 6 STAR	803781.0000	Impregnating foam 6 l	S 6 H	Nitrogen	43A 183B	ca. 5 m ca. 66 s	0°C to 60°C	ca. 10.7 kg	ca. 540/280/165 mm Ø 150 mm
 SH 9 STAR	803791.0000	Impregnating foam 9 l	S 9 H	Nitrogen	55A 233B	ca. 5 m ca. 80 s	0°C to 60°C	ca. 16.3 kg	ca. 575/280/205 mm Ø 190 mm
WH 6 STAR	803821.0000	Water with impregnate 6 l	W 6 H	CO ₂	34A	ca. 5 m ca. 64 s	0°C to 60°C	ca. 10.3 kg	ca. 540/280/165 mm Ø 150 mm
 WH 9 STAR	803831.0000	Water with impregnate additive 9 l	W 9 H	CO ₂	43A	ca. 5 m ca. 93 s	0°C to 60°C	ca. 15.5 kg	ca. 575/280/205 mm Ø 190 mm
 PX 6 STAR	800631.3016	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	55A 233B C	ca. 6 m ca. 22 s	-30°C to +60°C	ca. 9.9 kg	ca. 500/300/165 mm Ø 150 mm
 PH 6 STAR	800631.3015	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43A 233B C	ca. 6 m ca. 22 s	-30°C to +60°C	ca. 9.9 kg	ca. 500/300/165 mm Ø 150 mm
 PH 9 STAR	800641.0000	ABC powder extinguisher 9 kg	PG 9 H	CO ₂	55A 233B C	ca. 7 m ca. 23 s	-30°C to +60°C	ca. 14.3 kg	ca. 555/290/185 mm Ø 170 mm
 P 6 STAR	800631.0000	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	34A 183B C	ca. 6 m ca. 22 s	-30°C to +60°C	ca. 9.9 kg	ca. 500/300/165 mm Ø 150 mm
 P 12 STAR	800651.0000	ABC powder extinguisher 12 kg	PG 12 H	CO ₂	55A 233B C	ca. 7 m ca. 32 s	-30°C to +60°C	ca. 18.7 kg	ca. 600/290/205 mm Ø 190 mm

When seconds count...

GLORIA

PRO LINE with strike-knob operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI



*Be original - choose PRO LINE -
proven original GLORIA*

Very popular, especially in the commercial sector; classic operating lever fittings in combination with a rotary pistol of a unique design of GLORIA are characteristic for this series.

Foam, water and powder extinguishing agents, in the case of the PRO LINE, feature the highest efficiency.



The main advantages of PRO LINE

- » An extensive performance portfolio in terms of extinguishing agents: foam (6 and 9 l) and powder (6, 9 and 12 kg) as well as water devices of high performance (6 and 9 l)
- » Completely uniform operating elements
- » Practicality due to a stable handle allowing for easy carrying
- » An indisputable advantage is a solid valve body. It is resistant to tension, chemicals, moisture as well as corrosion. High temperatures and UV will not leave a trace on the valve
- » All valve components with standardised neck rings
- » A uniform M74 neckrings
- » Uniform, black anodised, metal coupling nut

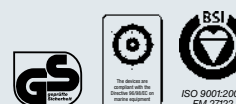
*What is bio-foam?

There are many eco-labels in Europe which are used to mark products with high standards in relation to their efficiency as well as their environmental compatibility. Extinguishing foams are considered particularly environmentally friendly if they demonstrate a maximum fluorosurfactant content of 0.04% of the total content. Only then bio-foams are consistent with the Milieukeur eco-label. The highly efficient GLORIA bio-foam is compliant with this criterion.

PRO LINE with strike-knob operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED  BSI



Details and performance characteristics of the PRO LINE

Refillable foam extinguisher SE+

- » Excellent extinguishing performance in the case of class A and B fires
- » The GLORIA bio-foam with impregnating agents affecting the seat of fire and its surroundings
- » A special foam nozzle with a significant casting range allows for optimal surface coverage with bio-foam
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » Friendly towards the environment: the GLORIA bio-foam* is biodegradable in more than 99% and compliant with the Milieukeur ecological certificate
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**



Refillable foam extinguisher SK

- » The highest performance (233B) in the case of class B fire with a capacity of merely 6 litres
- » A very intense effect of the wetting extinguishing agent causes cooling and suppression
- » Placing the foam concentrate separately in the pre-assembled cartridge (fixed cartridge!), apart from water – very easy to service
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » A special spray nozzle with a high degree of surface coverage allows for optimum distribution of the extinguishing agent
- » The extinguishing agent mostly suppresses reignition
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 26 27 31 32 33 37 39 40 41 42**



Refillable foam extinguisher SH

- » The maximum achievable extinguishing effectiveness rate (55A 233B) with 9 l, 43A 183B already with capacity of 6 l
- » Highly efficient GLORIA foam with impregnating agents affecting the seat of fire and its surroundings
- » A special foam nozzle with a significant casting range allows for optimal surface coverage with a highly efficient bio-foam
- » The beige colour code indicates a foam extinguishing agent
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**



Refillable water extinguisher WH

- » Water extinguisher of the best parameters: type WH 9 with 43A – in addition, it is environmentally friendly
- » The blue colour code indicates a water extinguishing agent
- » Hose connection and diptube made of stainless steel
- » Fields of application: **1 4 5 6 17 20 24 30 36 37 38 39 40**



Refillable powder extinguisher P . PH

- » Environmentally friendly ABC extinguishing powder of variable capacity
- » Almost universal application
- » Immediate, fast extinguishing due to the effect of cooling and suppression, enriched with an anti-catalytic effect; reignition in the case of fires of solids is suppressed
- » The grey colour code indicates a powder extinguishing agent
- » GLORIA extinguishing powders are hydrophobic and non-toxic
- » GLORIA extinguishing powders with excellent quality and durability
- » Fields of application: **2 3 9 12 16 18 19 34 37 41 42 43 44**



PRO LINE with strike-knob operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI



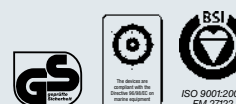
Mode of operation

- » Pull the **yellow A** safety pin.
- » Using the **operating lever B** causes piercing of the **C CO₂ cylinder** with a **blade D**.
- » CO₂ immediately enters the cylinder. The foam mixture enters through the **driptube E** to the **hose F**.
- » The **rotating pistol G** allows for targeted and large-scale fire-fighting.

PRO LINE with strike-knob operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED , BSI



Application










Pull the pin



Use the operating lever



Squeeze the lever and use

Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
SE+ 6 PRO	803731.3017	Impregnating bio-foam 6 l	S 6 H	CO ₂	34A 183B	ca. 5 m ca. 70 s	0°C to 60°C	ca. 10.1 kg	ca. 550/280/165 mm Ø 150 mm
SE+ 9 PRO	803741.3017	Impregnating bio-foam 9 l	S 9 H	CO ₂	43A 233B	ca. 5 m ca. 90 s	0°C to 60°C	ca. 15.3 kg	ca. 585/280/205 mm Ø 190 mm
 SK 6 PRO	801641.0000	0.120 l of foam-forming concentrate, 5.880 l of water	S 6 H	CO ₂	21A 233B	ca. 5 m ca. 30 s	5°C to 60°C	ca. 10.1 kg	ca. 550/280/165 mm Ø 150 mm
 SK 9 PRO	801651.0000	0.180 l of foam-forming concentrate, 8.820 l of water	S 9 H	CO ₂	27A 233B	ca. 5 m ca. 54 s	5°C to 60°C	ca. 15.3 kg	ca. 585/280/205 mm Ø 190 mm
SH 6 PRO	803731.0000	Impregnating foam 6 l	S 6 H	CO ₂	43A 183B	ca. 5 m ca. 66 s	0°C to 60°C	ca. 10.7 kg	ca. 550/280/165 mm Ø 150 mm
SH 9 PRO	803741.0000	Impregnating foam 9 l	S 9 H	CO ₂	55A 233B	ca. 8 m ca. 80 s	0°C to 60°C	ca. 16.3 kg	ca. 585/280/205 mm Ø 190 mm
WH 6 PRO	803801.0000	Water with impregnate 6 l	W 6 H	CO ₂	34A	ca. 5 m ca. 64 s	0°C to 60°C	ca. 10.3 kg	ca. 550/280/165 mm Ø 150 mm
 WH 9 PRO	803811.0000	Water with impregnate 9 l	W 9 H	CO ₂	43A	ca. 5 m ca. 93 s	0°C to 60°C	ca. 15.5 kg	ca. 585/280/205 mm Ø 190 mm
 PH 6 PRO	801271.1426	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43A 233B C	ca. 6 m ca. 22 s	-30°C to +60°C	ca. 9.8 kg	ca. 510/300/165 mm Ø 150 mm
 PH 9 PRO	803341.1426	ABC powder extinguisher 9 kg	PG 9 H	CO ₂	55A 233B C	ca. 6 m ca. 23 s	-30°C to +60°C	ca. 14.3 kg	ca. 565/290/185 mm Ø 170 mm
 P 6 PRO	801941.0000	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	34A 183B C	ca. 6 m ca. 22 s	-30°C to +60°C	ca. 9.8 kg	ca. 510/300/165 mm Ø 150 mm
 P 12 PRO	801291.1426	ABC powder extinguisher 12 kg	PG 12 H	CO ₂	55A 233B C	ca. 7 m ca. 32 s	-30°C to +60°C	ca. 18.6 kg	ca. 610/290/205 mm Ø 190 mm

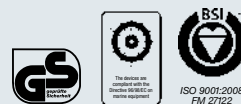
When seconds count...

GLORIA

EASY LINE with squeeze grip operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



**Be reasonable - choose EASY LINE –
simple, universal, good!**

In the case of EASY LINE, simplicity and safety are combined as a result of long-term development. A clear focus on relevant issues, without compromising safety and performance, has been fulfilled in an impressive way in the case of EASY LINE. The EASY LINE offers the widest range of extinguishing agents.



The main advantages of EASY LINE

- » An extensive performance portfolio in terms of extinguishing agents: foam (6 and 9 l), water (6 and 9 l), to fight fat fires (3 and 6 l) and powder (6, 9 and 12 kg)
- » Completely uniform operating elements
- » Ease of carrying due to a stable handle
- » An irrefutable advantage is a solid valve body. Made of plastic reinforced with fibre glass It is resistant to tension, chemicals, moisture as well as corrosion. High temperatures and UV will not leave a trace on the valve
- » All valve components with standardised neck rings
- » Uniform, black anodised, metal locking collar

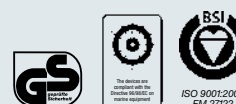
*What is bio-foam?

There are many eco-labels in Europe which are used to mark products with high standards in relation to their efficiency as well as their environmental compatibility. Extinguishing foams are considered particularly environmentally friendly if they demonstrate a maximum fluorosurfactant content of 0.04% of the total content. Only then bio-foams are consistent with the Milieukeur eco-label. The highly efficient GLORIA bio-foam is compliant with this criterion.

EASY LINE with squeeze grip operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



Details and performance characteristics of the EASY LINE

Refillable foam extinguisher SE+

- » Excellent extinguishing performance in the case of class A and B fires
- » The GLORIA bio-foam* with impregnating agents affecting the seat of fire and its surroundings
- » A special foam nozzle with a significant casting range allows for optimal surface coverage with bio-foam
- » Friendly towards the environment: the GLORIA bio-foam* is biodegradable in more than 99% and compliant with the Milieukeur ecological certificate
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**



Refillable foam extinguisher SK

- » High performance (183B) in the case of class B fire with a capacity of 6 litres
- » A very intense effect of the wetting extinguishing agent causes cooling and suppression
- » Foam concentrate is stored in a pre-assembled cartridge (fixed cartridge!), apart from water – very easy to service
- » Green colour code of the descriptive labels indicates: GLORIA Eco
- » A spray nozzle with a high degree of surface coverage allows for optimum distribution of the extinguishing agent
- » The extinguishing agent mostly suppresses reignition
- » Fields of application: **4 5 6 8 11 14 19 20 22 23 24 26 27 31 32 33 37 39 40 41 42**



Refillable foam extinguisher S . SF

- » High quality GLORIA foam with high resistance and adhesion to combustible materials
- » A special foam nozzle with a significant casting range allows for optimal surface coverage by foam
- » Preventing rapid spread of fire due to a very long time of foam layer coverage of the flammable material; reignition is largely suppressed; the extinguishing agent mostly suppresses reignition
- » Available frost-resistant versions (-20°) with a capacity of 6 and 9 l (type SF)
- » The beige colour code indicates a foam extinguishing agent
- » Fields of application: **1 4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**

The FB foam extinguisher to fight fat fires

- » Burning fat can easily exceed a temperature of over 1000°C, it is self-igniting and requires a strong and completely safe extinguisher to eliminate the bursts of fat
- » The extinguishing agent, in combination with the use of a special sprayer, ensures the maximum achievable efficiency of 75F against fat fire – with a capacity of merely 3 litres
- » Reignition is effectively suppressed
- » The GLORIA extinguishers to fight fat fires are frost-resistant up to the temperature of -30°C
- » The yellow colour code indicates an extinguishing agent used for fighting fat fires
- » Fields of application: **7 14 15 21 31 37**



Refillable water extinguisher WH . W . WF

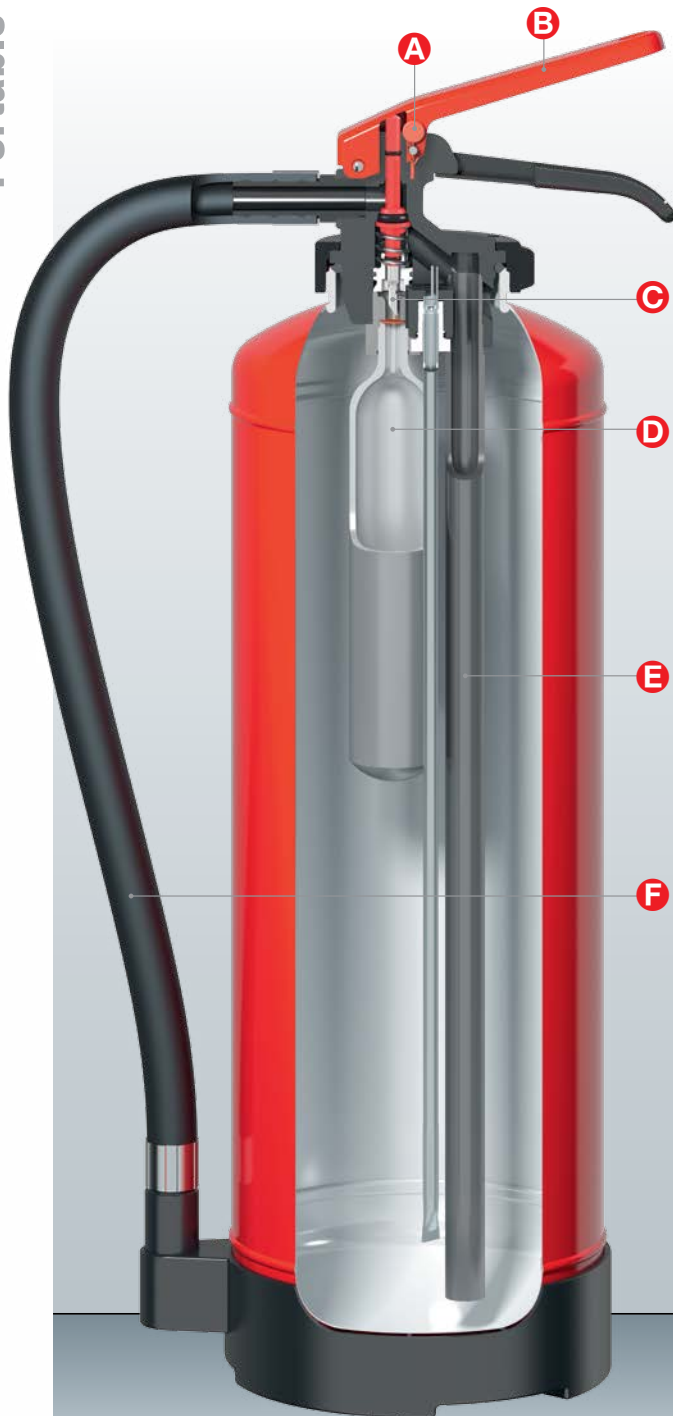
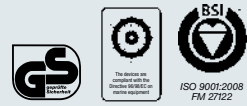
- » Water extinguisher of the best parameters: type WH with 43A and with the capacity of 9 l – in addition, it is environmentally friendly
- » Water extinguishers with a capacity of 6 and 9 l of water enriched only with a wetting agent (which reduces the surface tension of water), no other additives (type W)
- » Available frost-resistant versions (-30°) with a capacity of 6 and 9 l (type WF)
- » The blue colour code indicates a water extinguishing agent
- » Fields of application: **1 4 5 6 17 20 24 30 36 37 38 39 40**



EASY LINE with squeeze grip operation

Cartridge-operated fire extinguishers

DIN EN 3, GS, MED 



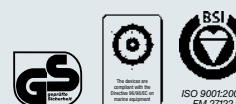
Mode of operation

- Pull the **metal safety pin A**.
- First, short pressing of the **lever B** causes piercing the **C CO₂ cylinder** with a **blade D**.
- At the same time, CO₂ immediately enters the cylinder.
- Pressing the **lever B** again causes the extinguishing agent to enter the hose through the **driptube E** in order to be **F** distributed.
- Releasing the **lever B** stops the flow of the extinguishing agent.

EASY LINE with squeeze grip operation

Cartridge-operated fire extinguishers






















DIN EN 3, GS, MED 



Refillable powder extinguisher P . PH

- » Environmentally friendly ABC extinguishing powder of variable capacity
- » Almost universal application
- » Immediate, fast extinguishing due to the effect of cooling and suppression, enriched with an anti-catalytic effect
- » Reignition in the case of fires of solids is suppressed
- » The grey colour code indicates a powder extinguishing agent
- » GLORIA extinguishing powders are hydrophobic and non-toxic
- » GLORIA extinguishing powders with excellent quality and durability
- » Fields of application: **2 3 9 12 16 18 19 34 37 41 42 43 44**



Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
 SE+ 6 EASY	801511.3017	Impregnating bio-foam 6 l	S 6 H	CO ₂	34A 183B	ca. 5 m ca. 52 s	0°C to 60°C	ca. 10.5 kg	ca. 600/310/165 mm 150 mm
 SE+ 9 EASY	801521.3017	Impregnating bio-foam 9 l	S 9 H	CO ₂	43A 233B	ca. 5 m ca. 80 s	0°C to 60°C	ca. 15.3 kg	ca. 620/290/205 mm 190 mm
 SK 6 EASY	804121.0000	0.120 l of foam-forming concentrate, 5.880 l of water	S 6 H	CO ₂	21A 183B	5 m ca. 52 s	5°C to 60°C	ca. 9.9 kg	ca. 600/310/165 mm 150 mm
 SK 9 EASY	804131.0000	0.180 l of foam-forming concentrate, 8.820 l of water	S 9 H	CO ₂	27A 233B	5 m ca. 85 s	5°C to 60°C	ca. 15 kg	ca. 620/290/205 mm 190 mm
 SKP 6 EASY	804121.1721	0.270 l of foam-forming concentrate, 5.730 l of water	S 6 H	CO ₂	13A 113B	5 m ca. 53 s	5°C to 60°C	ca. 9.9 kg	ca. 600/310/165 mm 150 mm
 S 6 EASY	803711.1790	Foam forming a layer 6 l	S 6 H	CO ₂	21A 183B	ca. 5 m ca. 68 s	5°C to 60°C	ca. 9.8 kg	ca. 600/310/165 mm 150 mm
 S 9 EASY	801761.1790	Foam forming a layer 9 l	S 9 H	CO ₂	27A 233B	ca. 5 m ca. 87 s	5°C to 60°C	ca. 15.2 kg	ca. 620/290/205 mm 190 mm
 SF6 EASY	801511.1746	Foam frost-resistant 6 l	S 6 H-20	CO ₂	21A NEW! 144B	ca. 5 m ca. 55 s	-30°C to +60°C	ca. 11.3 kg	ca. 600/260/165 mm 150 mm
 SF 9 EASY	801521.1746	Foam frost-resistant 9 l	S 9 H-20	CO ₂	27A NEW! 183B	ca. 5 m ca. 80 s	-30°C to +60°C	ca. 16.5 kg	ca. 620/290/205 mm 190 mm
 FB 3 EASY	803651.2961	Liquid extinguishing agent 3 l	W 3 H-30	CO ₂	8A 55B 75F	ca. 4 m ca. 21 s	-30°C to +60°C	ca. 7.4 kg	ca. 432/270/165 mm 150 mm
 FB 6 EASY	804111.2961	Liquid extinguishing agent 6 l	W 6 H-30	CO ₂	21A 113B 75F	ca. 4 m ca. 39 s	-30°C to +60°C	ca. 12.3 kg	ca. 600/270/165 mm 150 mm
 WH 6 EASY	801601.1776	Water with impregnate 6 l	W 6 H	CO ₂	34A	ca. 5 m ca. 60 s	0°C to 60°C	ca. 10.2 kg	ca. 600/310/165 mm 150 mm
 WH 9 EASY	801611.1776	Water with impregnate 9 l	W 9 H	CO ₂	43A	ca. 5 m ca. 80 s	0°C to 60°C	ca. 15.4 kg	ca. 620/290/205 mm 190 mm
 W 6 EASY	801601.0000	Water with a wetting agent 6 l	W 6 H	CO ₂	21A	ca. 4 m ca. 74 s	5°C to 60°C	ca. 10 kg	ca. 600/310/165 mm 150 mm
 W 9 EASY	801611.0000	Water with a wetting agent 9 l	W 9 H	CO ₂	27A	ca. 4 m ca. 97 s	5°C to 60°C	ca. 15.2 kg	ca. 620/290/205 mm 190 mm
 WF 6 EASY	801621.0000	Frost-resistant water 6 l	W 6 H-30	CO ₂	21A NEW!	ca. 4 m ca. 60 s	-30°C to +60°C	ca. 10.9 kg	ca. 600/310/165 mm 150 mm
 WF 9 EASY	801631.0000	Frost-resistant water 9 l	W 9 H-30	CO ₂	27A NEW!	ca. 4 m ca. 80 s	-30°C to +60°C	ca. 16.9 kg	ca. 620/290/205 mm 190 mm
 PH 6 EASY	802171.3015	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43A 183B C	ca. 6 m ca. 24 s	-30°C to +60°C	ca. 9.8 kg	ca. 550/280/165 mm 150 mm
 PH 9 EASY	802181.0000	ABC powder extinguisher 9 kg	PG 9 H	CO ₂	55A 233B C	ca. 7 m ca. 27 s	-30°C to +60°C	ca. 14.3 kg	ca. 595/300/185 mm 170 mm
 P 6 EASY	802171.0000	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	34A 183B C	ca. 6 m ca. 24 s	-30°C to +60°C	ca. 9.8 kg	ca. 550/280/165 mm 150 mm
 P 12 EASY	802191.0000	ABC powder extinguisher 12 kg	PG 12 H	CO ₂	55A 233B C	ca. 7 m ca. 23 s	-30°C to +60°C	ca. 19.7 kg	ca. 640/310/205 mm 190 mm

Powder extinguishers with external CO₂ cylinder

Cartridge-operated fire extinguishers

DIN EN 3, GS



Universal powder extinguishers

Due to their special design, the devices are used primarily in industrial applications.

P 6 GT can be used wherever fire extinguishers, in the course of action, are not transposed manually, e.g. for the fire brigade, police, border guards and when fighting fires in inaccessible places.



The main advantages of dry powder extinguishers with external CO₂ cylinder

- » Immediately ready to use after opening the CO₂ cylinder
- » A pistol allows for targeted fire-fighting and dosing the agent
- » Top quality pressure propellant vessels made of high strength steel

Details and performance characteristics of dry powder extinguishers with external CO₂ cylinder

- » Externally coated with a weatherproof, durable coating made of 100% polyester resin (free of heavy metals) ensuring a long lifespan
- » Approved by TÜV external CO₂ cylinder equipped with safety plates
- » The metal fittings with an integrated safety valve
- » Fields of application: 2 3 9 12 16 18 19 34 37 41 42 43 44
- » Fields of application P 12 M: 28 29

Powder extinguishers with external CO₂ cylinder

Cartridge-operated fire extinguishers

DIN EN 3, GS



P 6 G . P 12 G

- » A solid plastic skirt protects the container against damage and ensures high stability
- » A design very easy to service
- » An integrated hose and propellant cylinder bracket on the skirt



P 12 M

- » Featuring an applicator in the case of metal fire
- » An extinguisher filled with a special powder to extinguish metal fires, suitable for class D fires of: aluminium, potassium and its alloys, lithium, magnesium, sodium
- » Stable plastic bracket



P 6 SV . P 12 SV

- » Suitable for use in combination with foam
- » Extinguishing agents: BC powder



P 6 GT

- » Additional hose protection by means of a spiral spring reinforcement
- » Practical rack for carrying the fire extinguisher with a padded, adjustable shoulder strap and waist strap (option)
- » Protection of fire hose and nozzle by means of latches
- » A very long fire hose: 1.2 m
- » When worn on the back, it is instantly ready to use due to easy-accessible upside-down rotary valve on the external cylinder



Carrying handle



Rack for carrying the fire extinguisher (P 6 GT)



Instantly ready to use (P 6 GT)

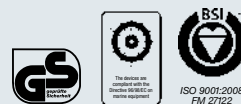
Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
P 6 G multilingual	000621.2046	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43 A 233 B C	5 m 16 s	-30°C to +60°C	11.0 kg	480/340/150 mm Ø 150 mm
P 12 G multilingual	000671.2046	ABC powder extinguisher 12 kg	PG 12 H	CO ₂	55 A 233 B C	7 m 21 s	-30°C to +60°C	20.0 kg	560/370/190 mm Ø 190 mm
P 12 M multilingual	800671.1611	Powder for extinguishing metal fires 12 kg	PM 12 H	CO ₂	D	Sprinkling 35 s	-20°C to +60°C	21.0 kg	860/370/190 mm Ø 190 mm
P 6	000621.1610	BC-SV powder extinguisher 6 kg	P 6 H	CO ₂	233 B C	5 m 16 s	-30°C to +60°C	11.0 kg	480/340/150 mm Ø 150 mm
P 12 SV	000671.1610	BC-SV powder extinguisher 12 kg	P 12 H	CO ₂	233 B C	7 m 21 s	-30°C to +60°C	19.8 kg	860/370/190 mm Ø 190 mm
P 6 GT	000620.1759*	ABC powder extinguisher 6 kg	PG 6 H	CO ₂	43 A 233 B C	8 m 15 s	-30°C to +60°C	11.0 kg	480/370/165 mm Ø 150 mm

* Available with optional rack to carry the fire extinguisher

CO₂ fire extinguishers

Portable CO₂ fire extinguishers

DIN EN 3, GS, MED  , BSI



Carbon dioxide extinguishers made of aluminium or steel

Ideal devices for fires involving high electrical voltage, computer centres, as well as in storages of flammable liquids. Safe and reliable extinguishing operation due to an extinguishing agent in the form of carbon dioxide which does not leave any deposits.



Made of aluminium

Made of steel

The main advantages of carbon dioxide extinguishers

- » Practical devices of high extinguishing performance
- » Easy activation with a lever – used both for carrying and activation
- » Top quality pressure propellant vessels made of aluminium or high strength steel

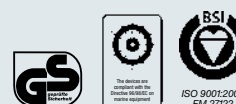
Details and performance characteristics of carbon dioxide extinguishers

- » Flattened, very long nozzle of KS 5 ST and KS 5 SE carbon dioxide extinguishers allows for aiming the flow of the extinguishing agent
- » The result is high performance while covering a large area
- » A snow-horn mounted to the nozzle of KS 2 ST and KS 2 SBS carbon dioxide extinguishers allows for optimal distribution of the extinguishing agent
- » Cylinder coated externally with a weatherproof, durable coating made of 100% polyester resin (free of heavy metals) ensuring a long lifespan
- » Featuring safety plate
- » Brass valve fittings

CO₂ fire extinguishers

Portable CO₂ fire extinguishers

DIN EN 3, GS, MED , BSI



- Featuring wall bracket
- Suitable for systems up to 1000 V
- Fields of application: **10 13 26 27 35 37 25** (KS 5 AM)

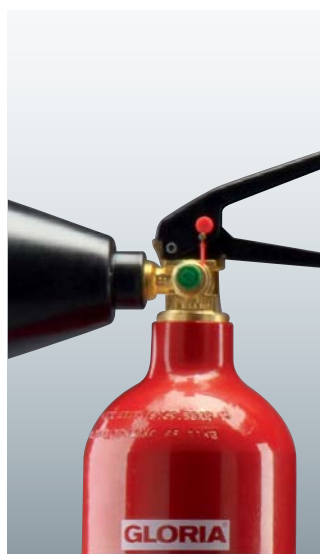
KS 2 SBS . KS 5 SE . KS 5 AM (aluminium container)

- Up to 17% lower weight compared to the steel version
- A metal band clip with the type KS 5 SE standard
- Type KS 2 SBS: stable spring stand available separately
- Type KS 5 SE: car bracket available separately
- Type KS 5 AM: with a round carbon dioxide nozzle, only non-magnetic materials, making it suitable for MRI rooms in hospitals and clinics



KS 2 ST . KS 5 ST (steel container)

- Type KS 2 ST: spring stand available separately
- Type KS 5 ST: powder coated metal band clip for mounting to a standard GLORIA wall bracket
- Type KS 5 ST: also available without the metal clamp



Valve





Carbon dioxide nozzle



Tube



Band clip

Type	Part number	Extinguishing agent/ quantity	Model	Propellant	Propellant performance	Extinguishing stream range/ discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
KS 2 SBS	001831.0000	CO ₂ 2 kg	K 2	CO ₂	34 B	3 m 8.5 s	-30°C to +60°C	5.4 kg	520/250/170 mm Ø 117 mm
 KS 5 SE	001821.0000	CO ₂ 5 kg	K 5	CO ₂	89 B	4-5 m 13.5 s	-30°C to +60°C	12.5 kg	700/480/160 mm Ø 152 mm
KS 5 AM	001801.1683	CO ₂ 5 kg	K 5	CO ₂	89 B	4-5 m 13.5 s	-30°C to +60°C	12.5 kg	700/480/160 mm Ø 152 mm
KS 2 ST	002041.0000	CO ₂ 2 kg	K 2	CO ₂	34 B	3 m 8.5 s	-30°C to +60°C	6.5 kg	590/250/104 mm Ø 104 mm
 KS 5 ST	002031.1790	CO ₂ 5 kg	K 5	CO ₂	89 B	4-5 m 13.5 s	-30°C to +60°C	14.5 kg	930/400/136 mm Ø 136 mm

Fire extinguishers with squeeze grip operation

Stored-pressure powder fire extinguishers

DIN EN 3, GS, MED , BSI



Stored-pressure fire extinguishers with a practical bracket

Preferred standard devices for a variety of applications with simple operating elements.

In contrast to the comfortable devices with an internal propellant cylinder, in case of these devices, the container is under constant pressure.



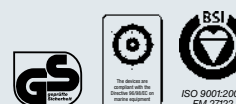
The main advantages of stored pressure extinguishers

- » Depending on the design, they are immediately ready to use after pulling the safety pin
- » Practical devices of standard class of high extinguishing performance
- » Easy activation with a lever – used both for carrying and activation
- » Cylinders made of high-quality alloy steel

Fire extinguishers with squeeze grip operation

Stored-pressure powder fire extinguishers

DIN EN 3, GS, MED , BSI



Details and performance characteristics of stored pressure extinguishers

- Externally coated with a weatherproof, durable coating made of 100% polyester resin
- Extinguisher nozzle socket integrated in the skirt
- Durable brass fittings with integrated check valve
- Featuring wall bracket
- Suitable for systems up to 1000 V
- Fields of application Powder: **2 3 9 12 16 18 19 34 37 41 42 43 44**

PD 4 GA . PD 6 GA . PD 6 GX . PD 9 GA . PD 12 GA

- Available with or without a pressure gauge
- The pressure gauge allows for constant visual inspection of the pressure
- Featuring a wall bracket as a standard
- Optionally available with a suitable car bracket







Skirt



Wall bracket



Pressure gauge and control valve

Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/ discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
PD 4 GA with PG*	002071.2046	ABC powder extinguisher 4 kg	PG-4-L	Nitrogen	21 A 89 B C	ca. 6 m ca. 13 s	-30°C to +60°C	ca. 6.7 kg	ca. 410/300/162 mm Ø ca. 150 mm
PD 6 GA with PG*	002111.1791	ABC powder extinguisher 6 kg	PG-6-L	Nitrogen	34 A 233 B C	ca. 6 m ca. 20 s	-30°C to +60°C	ca. 9.1 kg	ca. 500/270/162 mm Ø ca. 150 mm
 PD 6 GA	002101.0000	ABC powder extinguisher 6 kg	PG-6-L	Nitrogen	34 A 233 B C	ca. 6 m ca. 20 s	-30°C to +60°C	ca. 9.1 kg	ca. 500/270/162 mm Ø ca. 150 mm
PD 6 GX	002110.xxxx	ABC powder extinguisher 6 kg	PG-6-L	Nitrogen	55 A 233 B C	ca. 6 m ca. 20 s	-30°C to +60°C	ca. 9.1 kg	ca. 500/270/162 mm Ø ca. 150 mm
 PD 9 GA with PG*	004041.2397	ABC powder extinguisher 9 kg	PG-9-L	Nitrogen	43 A 233 B C	ca. 7 m ca. 17 s	-30°C to +60°C	ca. 13.7 kg	ca. 610/265/182 mm Ø ca. 170 mm
 PD 12 GA with PG*	002151.2046	ABC powder extinguisher 12 kg	PG-12-L	Nitrogen	55 A 233 B C	ca. 7 m ca. 21 s	-30°C to +60°C	ca. 17.3 kg	ca. 590/265/202 mm Ø ca. 170 mm
 PD 12 GA	002141.0000	ABC powder extinguisher 12 kg	PG-12-L	Nitrogen	55 A 233 B C	ca. 7 m ca. 21 s	-30°C to +60°C	ca. 17.3 kg	ca. 590/265/202 mm Ø ca. 170 mm

* Featuring a pressure gauge (PG) as a standard

Fire extinguishers with squeeze grip operation

Stored-pressure foam/water fire extinguishers

DIN EN 3, GS, MED , BSI

WET FIRE EXTINGUISHERS

Stored pressure Foam/Water extinguishers with squeeze grip operation



Details and performance characteristics of stored-pressure foam/water extinguishers

- » Externally coated with a weatherproof, durable coating made of 100% polyester resin
- » Extinguisher nozzle socket integrated in the skirt
- » Durable brass fittings with optional pressure gauge for constant visual inspection of the pressure
- » Featuring wall bracket
- » Protection against corrosion, heavy metal free
- » Suitable for systems up to 1000 V
- » Durable hose with textile fabric lining synthetic **Rubber material LABS-free!**
- » Fields of application Foam: **4 5 6 8 11 14 19 20 22 23 24 31 32 39 40 41 42**
- » Fields of application Water: **1 4 5 6 17 20 24 30 36 37 38 39 40**

SDE 6 . SDE 9 . SD 6 . SD 9

- » Rapid spread of fire is prevented due to a suppression effect of the foam that forms a layer over the burning substance, reignition is largely suppressed.
- » SDE type: gentle to the environment, biodegradable extinguishing agents in more than 99%, without the environmentally harmful PFOS
- » Foam extinguisher with 5 point spray nozzle for a targeted and environment friendly usage
- » SDE: default pressure gauge
- » Featuring a wall bracket as a standard
- » Optionally available with a suitable car bracket



SDPHE 6 . SDPHE 9

- » High Performance ECO Foam
- » SMK Compliant High Performance Range (< 0.04% fluorine)
- » Pass 35kV conductivity of discharge test
- » Steel cylinder with internal lining for corrosion protection
- » Polyester powder coated vessel external finish
- » Optionally available with a suitable car bracket



Fire extinguishers with squeeze grip operation

Stored-pressure foam/water fire extinguishers

DIN EN 3, GS, MED , BSI

WET FIRE EXTINGUISHERS

SDPF 6 . SDPF 9

- » Frostproof extinguishing agents
- » Equipped with M50 thread and pressure valve
- » Durable internal coating to protect against corrosion, free of heavy metals



WD 9

- » Water extinguisher enriched only with a wet agent (which reduces the surface tension of water), no other additives
- » Immediate extinguishing result due to the effect of cooling and suppression, enriched with an anti-catalytic effect
- » Nozzle with integrated swirler for a targeted and environmentally friendly usage
- » Featuring a wall bracket as a standard
- » Optionally available with a suitable car bracket



WDPF 9

- » Highly versatile, unexpensive frost-proof product with uniform hand lever-operated, equipped with M50 thread and pressure relief valve.
- » Single aluminum valve body
- » Uniform, black anodized metal nut



ÜL 6

- » For optimal fire prevention training of security forces in facilities and institutions
- » It is ideal for learning how to operate a fire extinguisher during a practice fire
- » Filling: tap water
- » Featuring a wall bracket as a standard

Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
SDE 6 with PG*	803681.1790	0.180 l foam-forming agent + water 5.82 l	S-6-L	Nitrogen	21 A 144 B	ca. 4 m ca. 34 s	5°C to 60°C	ca. 9.6 kg	ca. 557/162/275 mm Ø ca. 150 mm
SDE 9 with PG*	801741.1790	0.270 l foam-forming agent + water 8.73 l	S-9-L	Nitrogen	27 A 183 B	ca. 4 m ca. 55 s	5°C to 60°C	ca. 14.2 kg	ca. 522/202/300 mm Ø ca. 190 mm
SD 6	803681.0000	0.120 l foam-forming concentrate + water 5.88 l	S-6-L	Nitrogen	21 A 183 B	ca. 4 m ca. 34 s	0°C to 60°C	ca. 9.6 kg	ca. 557/162/275 mm Ø ca. 150 mm
SD 9	801741.0000	0.180 l foam-forming concentrate + water 8.82 l	S-9-L	Nitrogen	27 A 233 B	ca. 4 m ca. 55 s	0°C to 60°C	ca. 14.2 kg	ca. 522/202/300 mm Ø ca. 190 mm
SDPHE 6	803681.3033	6 l foam concentrate	SD6DLWB	Nitrogen	43 A 183 B	ca. 4 m ca. 50 s	0°C to 60°C	ca. 10.5 kg	ca. 540/275/182 mm Ø ca. 170 mm
SDPHE 9	801741.1859	9 l foam concentrate	SD9DLWB	Nitrogen	55 A 233 B	ca. 4 m ca. 70 s	0°C to 60°C	ca. 14.6 kg	ca. 617/300/202 mm Ø ca. 190 mm
SDPF 6	803681.2950	6 l foam concentrate	SD6DLWB	Nitrogen	21 A 183 B	ca. 4 m ca. 30 s	-20°C to 60°C	ca. 10.5 kg	ca. 540/275/182 mm Ø ca. 170 mm
SDPF 9	801741.2950	9 l foam concentrate	SD9DLWB	Nitrogen	27 A 233 B	ca. 4 m ca. 40 s	-20°C to 60°C	ca. 14.6 kg	ca. 617/300/202 mm Ø ca. 190 mm
WD 9	801671.0000	Water and 0.1% of wetting agent 9 l	W-9-L	Nitrogen	21 A	ca. 4 m ca. 97 s	5°C to 60°C	ca. 14.2 kg	ca. 610/310/205 mm Ø ca. 190 mm
WDPF 9	801661.0000	Water and antifreeze / 9 l	W9DF30	Nitrogen	21 A	ca. 4 m ca. 60 s	-30°C to 60°C	ca. 14.8 kg	ca. 610/310/205 mm Ø ca. 190 mm
ÜL 6**	003061.0000	6 l of water		Nitrogen		ca. 3-4 m ca. 25 s	0°C to 40°C	ca. 12.5 kg	ca. 626/255/210 mm Ø ca. 150 mm

* With manometer.

** Not approved as an extinguisher, pressure charging with standard compressor max 7 bar

Fire extinguishers with squeeze grip operation

Stored-pressure fat fire extinguishers

DIN EN 3, GS, CE

HIGH PERFORMANCE ON FAT FIRES

FBDP-extinguishers - the handy, squeeze-grip operated fire extinguishers

A comprehensive product range with consistent squeeze-grip operation with an in-house developed, fibre-glass reinforced, high-quality special plastic valve in the distinctive GLORIA design.

Main advantages

- » Designed specifically to fight fires resulting from cooking oils and fats up to 75 l in size.
- » Extinguishing agent contains a specially formulated wet chemical which knocks out flames in seconds.
- » Changes burning cooking oil into soap form preventing the re-ignition
- » Model FBDP 6 - frost resistant up to -10 °C, FBDP 3 with proofed -30 °C.
- » Rechargeable



Details and performance characteristics of stored-pressure foam/water extinguishers

- » Externally coated with a weatherproof, hard-wearing, durable coating made of 100% polyester resin
- » Cylinder inside coated with high quality Gloria synthetic coating with long life time
- » Extinguisher nozzle bracket integrated with foot-ring, ensuring stability and protection against damage and corrosion
- » High strength brass valve body with corrosion coating – strong, sturdy, stable, high chemical resistance. Moisture resistant, corrosion free, high temperature resistance, UV resistance, equipped with pressure gauge for easy visual control
- » Innovative M50 thread and attractive, black anodized valve look
- » Featuring quality wall bracket
- » Fire extinguisher container made from high quality steel, protected against corrosion, heavy metal free
- » Can be used on electrical installations up to 1000 V at minimum distance 1 m
- » Passed 35 KV conductivity of discharge test.
- » Large, maintenance friendly neck ring
- » Durable hose made from synthetic rubber material
- » Labelling with up-to-date quality silkscreening
- » Fields of application of special Foam: **6 9 11 14 15 21 22 31 32 40 41 42**

Fire extinguishers with squeeze grip operation

Stored-pressure fat fire extinguishers

DIN EN 3, GS, CE

HIGH PERFORMANCE ON FAT FIRES



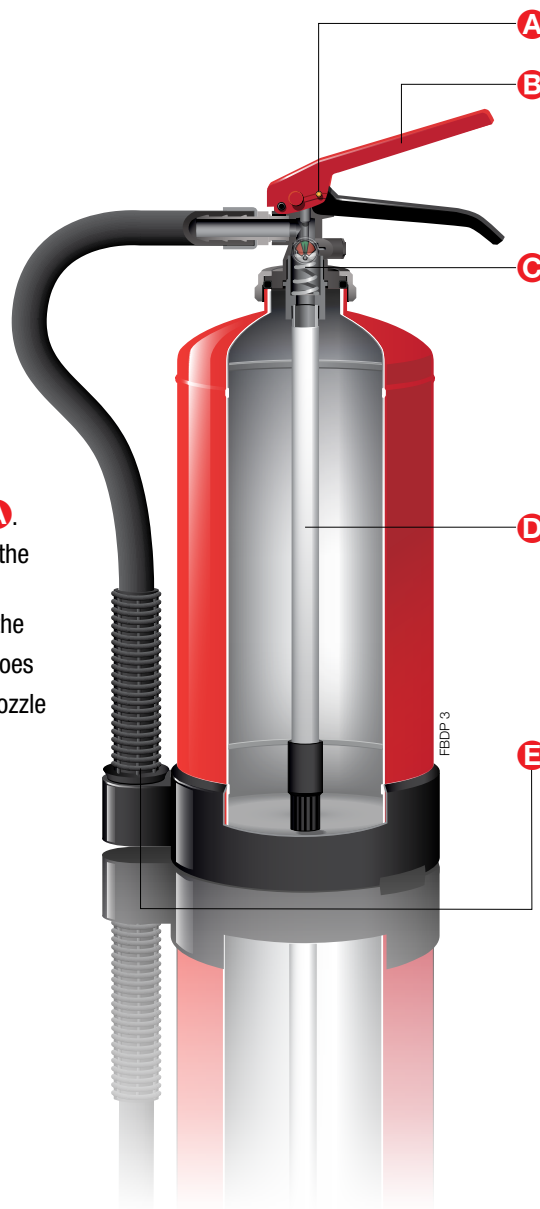
Foot-ring - FBDP3

Mode of operation

- » Pull the **metal safety pin A**.
- » With pressing the **lever B** the **valve C** opens.
- » Extinguishing agent enters the **dip tube D** from where it goes to the **hose E** and spray nozzle



Pressure gauge and control valve - FBDP3

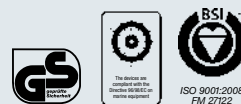


Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
FBDP 3	803651.1792	3 l foam-forming concentrate	FBDP 3	Nitrogen	8 A 55 B 75 F	ca. 3 m ca. 18 s	-30°C to +60°C	ca. 7 kg	ca. 434/285/141 mm Ø ca. 150 mm
FBDP 6	803751.2424	6 l foam-forming concentrate	FBDP 6	Nitrogen	13 A 113 B 75 F	ca. 4 m ca. 30 s	-10°C to +60°C	ca. 13 kg	ca. 675/305/175 mm Ø ca. 170 mm

Car and household fire extinguishers

Stored-pressure powder/foam fire extinguishers

DIN EN 3, GS, MED , BSI



Compact devices of high extinguishing performance

Due to their compact design and ease of use, the devices are suitable wherever quick and easy use is required, e.g. in a car, workshop or kitchen.



The main advantages of compact extinguishers

- » Comfortable operation with one hand or easy activation with a lever – used both for carrying and activation
- » High-pressure containers made of aluminium or high strength steel
- » The stream of extinguishing agent can always be closed
- » The devices can be controlled and refilled

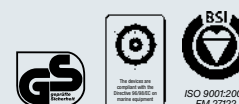
Details and performance characteristics of compact extinguishers

- » Externally coated with a weatherproof, durable coating made of 100% polyester resin (free of heavy metals) ensuring a long lifespan
- » The smallest external dimensions due to the special design of the valve and container
- » The valve body made of high-strength materials
- » Fields of application Powder: **12 31 37 43 44**
- » Fields of application Foam: **31 40**

Car and household fire extinguishers

Stored-pressure powder/foam fire extinguishers

DIN EN 3, GS, MED , BSI



F 2 GM . F 2 G . F 1 G . F 1 GM Exclusive

- » Stable bracket operating elements marked with colours (Easy Action)
- » Rounded edges in a manner specified by the automotive industry
- » Convenient one-hand operation (unlocking and activation possible with one hand)
- » With box without a car bracket (F 1 GM Exclusive)



P 2 GM . P 2 G . P 1 G

- » Rounded edges in a manner specified by the automotive industry
- » Convenient one-hand operation (unlocking and activation possible with one hand)



PD 2 GA . PDE 1 GA

- » Bracket with a lever made of steel sheet, painted in red
- » Featuring a pressure gauge
- » Straight bracket



F 2 GM . F 2 G . P 2 GM . P 2 G . PD 2 GA meet the requirements for the the German Law, transport of dangerous goods GGVS

Löschbox-type box – foam extinguisher* Löschbox-type box – powder extinguisher









- » Highest security through a set of fire blanket and an extinguisher in one box
- » Quick removal of the fire extinguisher from a stable bracket
- » Easy removal of fire the blanket (approved in accordance with EN 1869, 1 x 1 m)
- » Fire blanket used also to suppress fires of deep fryers containing up to 3 kg of fat
- » Fire blanket material: fibreglass fabric with silicone-coating
- » Fire blanket optimally protected against dirt



S 2 LW

- » An extinguishing agent forming a film with high extinguishing performance (filling capacity of 2 litres)
- » Extremely long extinguisher discharge time
- » High quality powder coating
- » Container made of aluminium ensures long lifespan of the extinguisher
- » Featuring pressure gauge – allows for constant visual inspection of the pressure



Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/ discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
 F 2 GM*	001873.0000	ABC powder of high performance 2 kg	PG 2 L	Nitrogen	13 A 89 B C	ca. 4 m ca. 13 s	-30°C to +60°C	ca. 3.5 kg	322/115/145 mm Ø 110 mm
 F 2 G	001863.0000	ABC powder of high performance 2 kg	PG 2 L	Nitrogen	13 A 89 B C	ca. 4 m ca. 13 s	-30°C to +60°C	ca. 3.5 kg	322/115/145 mm Ø 110 mm
F 1 G	001403.0000	ABC powder of high performance 1 kg	PG 1 L	Nitrogen	8 A 34 B C	ca. 4 m ca. 8 s	-30°C to +60°C	ca. 1.6 kg	270/95/124 mm Ø 90 mm
F 1 GM Excl.*	001413.1865	ABC powder of high performance 1 kg	PG 1 L	Nitrogen	8 A 34 B C	ca. 4 m ca. 8 s	-30°C to +60°C	ca. 2.2 kg	180/280/100 mm Ø 90 mm
 P 2 GM*	001473.0000	Glutex 2 kg	PG 2 L	Nitrogen	13 A 89 B C	ca. 4 m ca. 13 s	-30°C to +60°C	ca. 3.5 kg	322/111/145 mm Ø 110 mm
P 2 G	001463.0000	Glutex 2 kg	PG 2 L	Nitrogen	13 A 89 B C	ca. 4 m ca. 13 s	-30°C to +60°C	ca. 3.5 kg	322/111/145 mm Ø 110 mm
P 1 G	001433.0000	Glutex 1kg	PG 1 L	Nitrogen	8 A 34 B C	ca. 4 m ca. 8 s	-30°C to +60°C	ca. 1.6 kg	270/95/120 mm Ø 90 mm
 PDE 1 GA*	001393.0000	ABC powder extinguisher 1 kg	PG 1 L	Nitrogen	8 A 34 B C	ca. 4 m ca. 8 s	-30°C to +60°C	ca. 2.1 kg	280/93/135 mm Ø 90 mm
 PD 2 GA*	001493.0000	ABC powder extinguisher 2 kg	PG 2 L	Nitrogen	13 A 70 B C	ca. 4 m ca. 9 s	-30°C to +60°C	ca. 3.4 kg	330/115/155 mm Ø 110 mm
 S 2 LW* with a fire blanket	002536.2042	Foam 2 l	S 2 L	Nitrogen	5 A 55 B	ca. 4 m ca. 25 s	0°C to 60°C	ca. 4.3 kg	370/230/160 mm Ø 110 mm
 F 2 G with a fire blanket	002536.2043	Powder extinguisher 2 kg	PG 2 L	Nitrogen	13 A 89 B C	ca. 4 m ca. 10 s	-30°C to +60°C	ca. 4.6 kg	370/230/160 mm Ø 110 mm
 S 2 LW*	001551.0000	Foam 2 l	S 2 L	Nitrogen	5 A 55 B	ca. 4 m ca. 25 s	0°C to 60°C	ca. 3.1 kg	365/110/152 mm Ø 108 mm

* Featuring a pressure gauge as a standard

Mobile foam extinguishers

Cartridge-operated fire extinguishers

EN 1866, MED , BSI



Mobile foam extinguishers

The perfect supplement for facilities with high fire hazard, particularly in warehouses for plastic elements, airports, in the chemical industry, fuel depots, areas with flammable liquids, as well as large-scale garages.



The main advantages of mobile foam extinguishers

- » Approved in accordance with EN 1866
- » Designed for practical use by one person
- » Space saving by arranging the hose around the extinguishing agent container
- » The rotating pistol allows targeted fire-fighting
- » Extinguishing agent container entirely made of stainless steel
- » Stable through optimal centre of gravity
- » An extinguishing agent forming a film, particularly suitable for liquid fires

Details and performance characteristics of mobile foam extinguishers

- » Durable weatherproof external shell
- » Large wheels (30 cm), ideal for height differences
- » Selectable high pressure hose with the length of 5 or 10 m for flexible use
- » Built-in safety valve in the closing fittings
- » Safe placement of the nitrogen propellant cylinder in the stabilising bow
- » Fields of application: **11 30 32 33 37 42**

Mobile foam extinguishers

Cartridge-operated fire extinguishers

EN 1866, MED , BSI



SKK 50/5/10 . S 50 F 20/10

- » Type SKK with an environmentally friendly, easy in maintenance piston cartridge
- » Featuring maximum mobility, even in hard to reach seats of fire
- » Placement of foam-forming concentrate and water separately due to the patented cartridge with piston
- » Ecological maintenance and simple refilling
- » The possibly of using the portable fire extinguisher after refilling
- » The long-term durability of foam with consistently high extinguishing performance
- » Due to the use of the piston, the extinguishing agent is mixed in 100%, even at high viscosity
- » Type SKK 50 with marine approval (MED)
- » Type S 50 F 20 freeze-resistant up to the temperature of -20°C
- » The product pressure is less than 1,000, so an examination performed by ZÜS is not required
- » The use in terms of systems with a voltage of 1000 V/1 m distance



Steering wheel and stabilising bow



The rotating screwed nozzle



Cartridge



SEF 50/5 . SEF 150/10 . SEF 50 B/10

- » Type SEF 50, SEF 150 with marine approval (MED)
- » A significant casting range through a foam nozzle, hence the use is limited to areas without electricity
- » SEF 50 available with a high-pressure hose with an optional length of 5 or 10 m

SEF 50 B/10

- » With pistol, also for electrical equipment to 1000 Volts / minimum distance 1 m
- » Gentle to the environment: GLORIA organic foam * more than 99% biodegradable, Milieukeur Compliant

* What does organic foam?

In Europe, there are a number of eco-labels, the products with high standards in their services, and their environmental impact mark. Fire-fighting foams are considered particularly environmentally friendly when a Flourtsidantteil of only max. 0.04% of the gross volume was detected. Only then correspond to organic foams as the Milieukeur requirements. The GLORIA high performance bio-foam meets this criteria.







A screwed stream-forming device



Wide bow of base



Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
 SKK 50	5 m: 000868.2969 10 m: 000869.2969	1 l foam-forming concentrate + 49 l of water / 50 l	S 50 H-0	Nitrogen	IV B 50	ca. 8 m ca. 190 s	0°C to 60°C	ca. 78 kg	1050/565/675 mm Ø 400 mm
S 50 F 20	10 m: 000869.2977	Foam / 50 l	S 50 H-20	Nitrogen	IV B 50	ca. 10 m ca. 190 s	-20°C to +60°C	ca. 78 kg	1050/565/675 mm Ø 400 mm
 SEF 50	5 m: 000896.2851 10 m: 000899.2851	Foam / 50 l	S 50 H-0	Nitrogen	IV B 50	ca. 10 m ca. 47 s	0°C to 60°C	ca. 84 kg	1150/475/570 mm Ø 315 mm
 SEF 50 B	10 m: 000899.3200	Bio Foam / 50 l	S 50 H-0	Nitrogen	IV B 50	ca. 5 m ca. 180 s	0°C to 60°C	ca. 83 kg	1050/565/675 mm Ø 400 mm
 SEF 150	10 m: 000830.2851	Foam / 150 l	S 150 H-0	Nitrogen	IV B 50	ca. 10 m ca. 151 s	0°C to 60°C	ca. 230 kg	1340/645/935 mm Ø 450 mm

Mobile powder extinguishers

Cartridge-operated fire extinguishers

EN 1866, MED 



Mobile powder extinguishers

Ideal for use in larger premises with fire hazard, e.g. in factories, warehouses, large-scale garages/underground multi-storey car parks and heating systems



The main advantages of mobile powder extinguishers

- » Tested in accordance with EN 1866
- » Designed for practical use by one person
- » Allows for space-saving by arranging the hose around the extinguishing agent container
- » Stable due to the optimal/convenient centre of gravity
- » The rotating pistol allows targeted fire-fighting

Details and performance characteristics of mobile powder extinguishers

- » Durable weatherproof external shell
- » Large wheels (30 cm), ideal for height differences
- » Depending on the type, a high pressure hose with the length of 5 or 10 m for flexible use
- » Fields of application: **9 11 16 32 37 42**

Mobile powder extinguishers

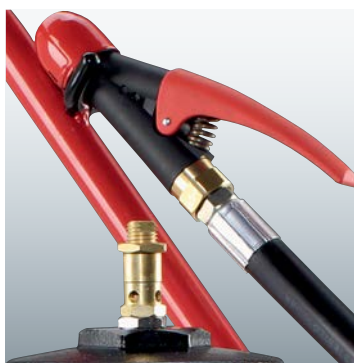
Cartridge-operated fire extinguishers

EN 1866, MED 



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

- » Safe placement of the nitrogen propellant cylinder in the stabilising bow
- » Built-in safety valve in the closing fittings
- » Large, easy to maintain filling hole
- » Featuring maximum mobility, even in hard to reach seats of fire
- » Type P 50 G with marine approval (MED)
- » Type P 50 SV with high-quality powder based on potassium sulphate, suitable for use in combination with foam
- » Type P 50 M with an applicator to extinguish metal fires and hose with the length of 10 m



The rotating pistol



Steering wheel and stabilising bow



PEF 50/5/10 . PEF 100/10

- » The product is less than 1,000, so an examination performed by ZÜS is not required (PEF 50)
- » Suppressible attacking device with high range
- » Type PEF 50, PEF 100 with marine approval (MED)







Suppressible attacking device



Wide bow of base



Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
 P 50 G	5 m: 000901.2969 10 m: 000906.2969	ABC powder extinguisher 50 kg	PG 50 H	Nitrogen	IV B	ca. 11 m ca. 90 s	-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 extinguisher 50 kg	P 50 H	Nitrogen	IV B	ca. 10-12 m ca. 90 s	-30°C to +60°C	ca. 82 kg	1070/475/560 mm Ø 300 mm
P 50 M	10 m: 000907.2976	Powder for extinguishing metal fires 50 kg	PM 50 H	Nitrogen	D	Sprinkling ca. 90 s	-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 extinguisher 50 kg	PG 50 H	Nitrogen	IV B	ca. 6 m ca. 40 s	-30°C to +60°C	ca. 84 kg	1050/465/550 mm Ø 300 mm
 PEF 100	10 m: 000820.2851	ABC powder extinguisher 100 kg	PG 100 H	Nitrogen	IV B	ca. 10-12 m ca. 75 s	-30°C to +60°C	ca. 120 kg	1290/550/770 mm Ø 300 mm

Mobile CO₂ extinguishers

Wheeled CO₂ extinguishers

EN 1866, MED 



Mobile carbon dioxide extinguishers

Large portable devices with high extinguishing efficiency are particularly suitable for areas threatened by potentially rapid spread of fire, such as the warehouses with hazardous materials, laboratories, transformers as well as for all aviation areas.



The main advantages of mobile carbon dioxide extinguishers

- » Approved in accordance with EN 1866
- » The carbon dioxide nozzle allows the targeted use of the extinguishing agent
- » Maximum mobility due to large, wide wheels
- » Optimal for shipping: removable frame

Details and performance characteristics of mobile carbon dioxide extinguishers

- » External propellant pressure vessels with a durable weatherproof external shell
- » Extinguishing agent container with safety plates, test pressure 250 bar
- » Excellent stability due to a robust tube frame
- » Valve with a surrounding case
- » Suitable for electrical systems with a voltage up to 1000 V at a minimum distance of 1 m, while respecting the DIN VDE 132 standard
- » Fields of application: **9 10 26 27 35 37**

Mobile CO₂ extinguishers

Wheeled CO₂ extinguishers

EN 1866, MED 



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

- Due to the rotary valve, the devices are instantly ready to use
- Due to a valve lever, the extinguishing agent stream can always be stopped
- Additional handles at the nozzle enable safe and optimal operation
- High-pressure hose as a standard:

Type

CF 10 with 6 m

CF 20 with 6 m

CF 30C with 10 m

CF 50 with 10 m







Protected rotary valve



Wide, stable wheels, high mobility



The possibility of closing the flow of the extinguishing agent with the valve lever

Type	Part number	Extinguishing agent/quantity	Model	Propellant	Propellant performance	Extinguishing stream range/discharge time	Temperature range	Total weight	Bracket H/W/D Ø of container
 CF 10/6	000798.2851	CO ₂ 10 kg	K 10	CO ₂	144 B	ca. 4 m ca. 17 s	-30°C to +60°C	ca. 42 kg	920/330/1000 mm Ø 154 mm
 CF 20/6	000766.2851	CO ₂ 20 kg	K 20	CO ₂	2 x 144 B	ca. 5 m ca. 27 s	-30°C to +60°C	ca. 72 kg	920/490/1050 mm Ø 232 mm
 CF 30C/10	000802.2969	CO ₂ 30 kg	CF30C	CO ₂	3 x 144 B	ca. 5 m ca. 30 s	-30°C to +60°C	ca. 98 kg	1250/500/700 mm Ø 267 mm
 CF 50/10	000809.2851	CO ₂ 50 kg	K 50	CO ₂	5 x 144 B	ca. 6 m ca. 52 s	-30°C to +60°C	ca. 140 kg	1420/600/1200 mm Ø 267 mm

Accessories

Fire extinguisher covers

FS-6/EK . KWH-12

Fire extinguisher cover FS-6/EK

Ideally suited for the protection of portable fire extinguishers.

Fits almost all 6 kg extinguishers.

The cover is made of a transparent plastic material and is resistant to temperatures ranging from -20°C to +60°C.

The back part is made of a plastic material comprising: 2 x latches 2 x hand grips.

The closing parts can be sealed.

Cover for KWH-12 fire extinguishers

The cover protects the portable fire extinguishers, suitable to be mounted on the wall.

Fits almost all GLORIA fire extinguishers up to 12 kg, also 5 kg CO₂ extinguishers (only when made of aluminium)

The extinguisher cover is made of a transparent plastic material and it is resistant to temperatures ranging from -20°C to +60°C.

Featuring 2 metal chromated latches.

The closing parts can be sealed.



KWH 6 / FS-6 E/K



KWH-12



Truckbox Compact



Bigbox



Bigbox XL

Type		Part number	Dimensions, outside (H x W x D in mm)	Dimensions, inside (H x W x D in mm)	Weight (g)
Fire extinguisher cover FS-6 E/K	Grey back	002511.0000	620 x 320 x 210	580 x 265 x 160	1,390
	Black back	002511.0002	620 x 320 x 210	580 x 265 x 160	1,390
Fire extinguisher cover KWH-6		002511.0001	670 x 365 x 220	630 x 310 x 175	1,400
Cover for fire extinguishers KWH-12		002520.0000	800 x 360 x 220	760 x 310 x 210	1,800
TruckBox Compact		002513.0000	560 x 300 x 180	540 x 250 x 160	2,500
Bigbox		002513.0001	643 x 279 x 227	585 x 230 x 190	2,500
Bigbox XL		002513.0012	770 x 310 x 260	700 x 200 x 210	4,900

Fire extinguisher covers

Truckbox . Bigbox . Bigbox XL

TruckBox compact – ideal for the transport of hazardous goods

For protection against weather conditions and preserving the characteristics of portable fire extinguishers.

- » Lightweight and very compact design
- » A red container made of injection moulded polypropylene with a metal base plate – can be recycled in 100%
- » Tested foam cartridges and an additional band clip which protects the extinguisher against vibration
- » Triple protection with two elastic rubber closures and additional protection in the form of a fire extinguisher symbol stamped on the cover
- » Rotation by 180° allows to select the opening direction
- » Suitable for use with GLORIA 6 kg extinguisher of the PRO and STAR line, type P/PH/PX and PS/PSE/PD
- » Resistant to temperatures ranging from -40°C to +80°C.
- » With the installation instructions, packaged individually in cardboard boxes

Bigbox for mounting on walls and in vehicles

For protection against weather conditions and preserving the characteristics of portable fire extinguishers.

- » Lightweight and practical design
- » The container is made of impact-resistant polypropylene, injection moulded and compliant with REACH
- » Protection against splashing due to the rubber seal around the perimeter
- » Red top part with a sight-glass and a TÜV label and a black bottom part (vibration test confirmed by TÜV Rheinland), black bottom part
- » In order to secure the fire extinguisher, a nylon band (red) is used with a latch and additional protection against scratches; a safe double lock placed on the side
- » Optional sealing of the container
- » Fire extinguisher symbol stamped twice on the cover
- » Rotation by 180° to select the opening direction
- » Suitable for use with multiple GLORIA powder and water extinguishers up to 9 kg/l
- » In the case of mounting in a vehicle, the weight of the affixed extinguisher is limited to 12 kg
- » Bigbox is designed for container diameters of at least 140 mm up to max. 195 mm
- » Resistant to temperatures ranging from -40°C to +70°C.
- » With the installation instructions, packaged individually in cardboard boxes

Bigbox XL for mounting on walls and in vehicles

For protection against weather conditions and preserving the characteristics of portable fire extinguishers.

- » To fix the extinguisher a strap with quick release button (red) is used
- » Designed for tank diameter of at least 140 mm up to 190 mm
- » Delivered with Sticker with fire extinguisher symbol according to ISO 7010
- » When mounted to the vehicle, the adjustment is limited to 15 kgs of a fire extinguisher
- » Suitable for many GLORIA powder and wet extinguisher up to 12 kg or 9 liters

Accessories

Protective cases

for 6 kg, 12 kg or 50 kg devices

Material:

- » Polyester
- » Water-resistant
- » UV-resistant



Reinforced plastic sheeting
for 6 kg devices

Protective covers
for 6 kg devices



Protective covers
for 12 kg devices



Protective covers
for 50 kg devices

Type	Part number
Protective cover, orange, for 6 kg devices	925704.0000
Protective cover, yellow, for 6 kg devices	925705.0000
Reinforced plastic sheeting, transparent, for 6 kg devices	902200.0000
Protective cover, orange, for 12 kg devices*	925661.0000
Protective cover, yellow, for 12 kg devices*	925662.0000
Reinforced plastic sheeting, transparent, for 12 kg devices*	902210.0000
Protective cover, yellow, for 50 kg devices	925663.0000
Protective cover, orange, for 50 kg devices	925664.0000

* also 5 kg CO₂ devices (only made of aluminium)

Accessories

Safety cabinets for fire extinguishers

Cabinets for fire extinguishers

Protective cabinets

for fixing the fire extinguisher in accordance with DIN EN 3

Protective cabinet made of galvanized sheet steel, powder coated in red RAL 3001 and marked with a sign containing a symbol in accordance with ISO 7010, optionally available as a wall cabinet for surface mounting (type WS) or as a recess cabinet with a surface strip around the perimeter (type ES). The “mS” variant which is closed with a cylinder lock with a key behind a protective glass instead of a plastic bracket placed in the pocket.



Type	Part number	Model	Dimensions (mm)	P 6*	P 12	W 6*	W 9	S 6*	S 9	K 2	K 5	F 6	P50 S50
ES-FL 6	007017.3930	Recess cabinet	300 x 700 x 180	✓		✓		✓		✓			
ES-FL 6 mS	007017.4930	– with cylinder lock	300 x 700 x 180	✓		✓		✓		✓			
ES-FL 12	007017.5930	Recess cabinet	300 x 700 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
ES-FL 12-mS	007017.6930	– with cylinder lock	300 x 700 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 12	007017.2930	Wall cabinet	340 x 720/765 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 12-mS	007017.7930	– with cylinder lock	340 x 720/765 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
ES-FL KS	007047.3930	Recess cabinet	350 x 900 x 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	
ES-FL KS-mS	007047.4930	– with cylinder lock	350 x 900 x 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WS-FL KS	007047.2930	Wall cabinet	350 x 900/945 x 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WS-FL KS-mS	007047.7930	– with cylinder lock	350 x 900/945 x 250	✓	✓	✓	✓	✓	✓	✓	✓	✓	
WS-FL 50	007057.2930	Wall cabinet	700 x 1200/1300 x 800										✓
WS-FL 50-mS	007057.7930	– with cylinder lock	700 x 1200/1300 x 800										✓

* with the exception of the Design line

Protective cabinets

for fixing max. two fire extinguishers in accordance with DIN EN 3

Type	Part number	Model	Dimensions (mm)	P 6*	P 12	W 6*	W 9	S 6*	S 9	K 2	K 5	F 6	P50 S50
ES-FL 2x6	007027.3930	Recess cabinet	600 x 700 x 180	✓		✓		✓		✓			
ES-FL 2x6 mS	007027.4930	– with cylinder lock	600 x 700 x 180	✓		✓		✓		✓			
ES-FL 2x12	007027.5930	Recess cabinet	600 x 700 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
ES-FL 2x12-mS	007027.6930	– with cylinder lock	600 x 700 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 2x12	007027.2930	Wall cabinet	640 x 720/765 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 2x12-mS	007027.7930	– with cylinder lock	640 x 720/765 x 220	✓	✓	✓	✓	✓	✓	✓		✓	

* with the exception of the Design line

Protective cabinets

for fixing the fire extinguisher in accordance with DIN EN 3 and a manual call point

Type	Part number	Model	Dimensions (mm)	P 6*	P 12	W 6*	W 9	S 6*	S 9	K 2	K 5	F 6	P50 S50
ES-FL 6-FM	007117.3930	Recess cabinet	300 x 880 x 180	✓		✓		✓		✓			
ES-FL 6-FM-mS	007117.4930	– with cylinder lock	300 x 880 x 180	✓		✓		✓		✓			
ES-FL 12-FM	007117.5930	Recess cabinet	300 x 880 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
ES-FL 12-FM-mS	007117.6930	– with cylinder lock	300 x 880 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 12-FM	007117.2930	Wall cabinet	340 x 870/900 x 220	✓	✓	✓	✓	✓	✓	✓		✓	
WS-FL 12-FM-mS	007117.7930	– with cylinder lock	340 x 870/900 x 220	✓	✓	✓	✓	✓	✓	✓		✓	

* with the exception of the Design line

Accessories

Fire blankets

DIN EN 1869:2001

GLORIA fire blankets are used not only to suppress hazardous fat fires, but also in the private and trade sector, in large kitchens, cafeterias, fast food outlets and restaurants.

Fields of application

Ideal for extra protection during outdoor barbecue, for camping/caravanning, near the stove, in kindergartens, schools, laboratories, workplaces and galleys on ships

Product features and operating characteristics

- » Fire blankets for standard deep fryers, commercial fryers and equipment for deep-frying of a max. capacity of 3 l
- » Fire blankets can be immediately removed from the box by pulling the handles
- » Fire Blanket GLD 1 (dimensions 1200 x 1800 mm) made of fibreglass similar to terry cloth (100%) with sewn-on handles, resistant to temperatures up to 550 °C
- » Also available in a smaller version (type GLD120) for home use made of fibreglass fabric coated with silicone (1200 x 1200 mm)
- » grammage 340 / m²
- » In the stable Hardbox
- » With instructions in German / English / French, folding instructions on the back
- » Also suitable for extinguishing fires that spread to the personal clothing
- » Regular quality control including fire tests by independent institute

For kitchen with fryers companies to 50 / regulates the DGV (usually GUV-R111) using at least one Fire extinguisher with proven suitability for extinguishing edible oil and grease fires with a preferred reproach content of 6l.



Fire blanket GLD 1



Fire blanket GLD 120

Type	Part number	Dimensions	Weight	Designation of product
GLORIA GLD 120 fire blanket	002515.1212	1200 x 1200 mm	ca. 0.7 kg	Fire blanket for home use
GLORIA GLD 1 fire blanket	002515.1218	1200 x 1800 mm	ca. 1 kg	Fire blanket for general purpose

Accessories

Design stands – racks made of stainless steel or other metal Cabinets for fire extinguishers

“Design” stands

“Design” stands for portable fire extinguishers with a capacity of 4/6/9/12 kg/l are also suitable for 5 kg CO₂ devices (only made of aluminium).

This rack has a beautiful, timeless design, features variable height of placing the fire extinguishers and provides good stability.

- » Colour: black RAL 9005
- » High-quality paint
- » Featuring the option of mounting to the substrate

Metal stand for extinguishers

- » With a rectangular foot
- » VE 5 pcs



“Design” stand









Metal stand for extinguishers

Type	Part number	Dimensions (mm)
“Design” stand	002538.0000	Height: 700, Ø of base: 300
Metal stand for extinguishers	002566.0000	Height: 735, Base: 300 x 300

Accessories

Extinguisher hangers








Wall hanger, car hanger, deck hanger, wire hanger

Illustration	Type	Part number	Fields of application
	Wall hanger	300150.0000	For all portable fire extinguishers (exception: car fire extinguishers and 2 kg CO ₂ fire extinguishers)
	Wall hook	151165.0000 151165.0061	KS 2 (aluminium or steel) available since ca. October 2009 KS 5 (steel) since ca. October 2009.
	Car hanger, painted (adjustable strap)	352988.0000 354930.0000	Ø 150 mm, for 6 kg powder extinguisher from STAR/PRO/EASY lines, P 6, PSE 6, PS 6, PEP 6, Pi 6, PSP 6, also conditionally for PD 6 and PDE 6
	Car hanger, painted*	353078.0000	Ø 150 mm, for 6 kg powder extinguisher such as PD 6, PDE 6
	Car hanger, painted*	353082.0000	Ø 150 mm, for 6 l water extinguishers from STAR/PRO/EASY lines, SKK 6, SE 6, Si 6, Wi 6, SD 6
	Car hanger, painted*	353080.0000 356860.0000 with elongated hole	Ø 150 mm, for 4 kg dry powder extinguishers and 3 l water extinguishers such as PD 4, FB 3 EASY, Sfi 3, W 3 D
	Car hanger, painted*	352768.0000	Ø 170 mm, for 9 kg powder extinguishers from STAR/PRO/EASY lines, PS 9, PSE 9, PD 9
	Car hanger, painted*	354496.0000	Ø 170 mm, 6 l water extinguishers such as S 6, W 6, S 6 D
	Car hanger, painted*	353084.0000	Ø 190 mm, for 12 kg powder extinguishers and 9 l water extinguishers from 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
	Car hanger, painted*	356696.0000	Ø 190 mm, for 9 l water extinguisher such as SD 9, WD 9
	Car hanger, painted*	353086.0000	Ø 190 mm, for 9 kg powder extinguisher such as PS 9, PD 9, to ca. the end of 2003
	Car hanger, painted*	353887.0000	Ø 152 mm, for KS 5 SE (made of aluminium)
	Deck hanger, painted, adjustable	302290.0000	Ø 150-170 mm, for 6 kg powder extinguisher from STAR/PRO/EASY lines, P 6, PSE 6, PS 6, PEP 6, Pi 6, PSP 6, PD 6, PDE 6, 6 l water extinguishers from STAR/PRO/EASY lines, SKK 6, SE 6, Si 6, Wi 6, SD 6, KS 5 SE (made of aluminium), also conditionally for KS 5 ST (made of stainless steel), however, the band clip is placed very low
	Deck hanger, painted	338450.0000	Ø 150 mm, for 6 kg powder extinguisher from 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 water extinguishers from STAR/PRO/EASY lines, SKK 6, SE 6, Si 6, Wi 6, SD 6

Accessories

Extinguisher hangers

Wall hanger, car hanger, deck hanger, wire hanger









Illustration	Type	Part number	Fields of application
	Deck hanger, painted	338460.0000	Ø 190 mm, for 12 kg powder extinguishers and 9 l water extinguishers from STAR/PRO/EASY lines, P 12, PS 12, PEP 12, PSP 12, Pi 12, PD 12, PDE 12 (and PS 9, PD 9 to ca. the end of 2003), SKK 9, SE 9, Si 9, Wi 9, W 9 D, S 9 D
	Wire hanger, painted (For buses/ships/road-rail vehicles/construction vehicles)	310410.0000	Ø 150 mm, for 9 kg powder extinguishers from STAR/PRO/EASY lines, P 6, PS 6, PEP 6, Pi 6
	Wire hanger, galvanised (For buses/ships/road-rail vehicles/construction vehicles)	309270.0000	Ø 150 mm, for 9 kg powder extinguishers from STAR/PRO/EASY lines, P 6, PS 6, PEP 6, Pi 6
	Wire hanger	356166.0000	Ø 117 mm, for KS 2 (made of aluminium) in the case of the cylinder height of 412 mm, since ca. January 2004
	Wire hanger*	356199.0000	Ø 104 mm, KS 2 (made of steel), since January 2009
	Wire hanger*	353810.0000	Ø 117 mm, KS 2 (made of aluminium) in the case of the cylinder height of 440 mm, since ca. June 2002 to December 2003
	Wire hanger*	349692.0000	Ø 102 mm, KS 2 (made of steel) since ca. March 1995
	Wire hanger*	313950.0000	Ø 102 mm, KS 2 (aluminium version), to about 1989
	Wire hanger*	351256.0000	Ø 102 mm, KS 2 (aluminium version), since ca. 1995
	Wire hanger	351699.0000	Ø 108 mm, S 2 LW, since ca. February 1997
	Special hanger, painted (for buses/ships/road-rail vehicles/construction vehicles)	355344.0000	Ø 150 mm, 6 kg powder extinguishers from STAR/PRO/EASY lines, PSE 6, PS 6
	Special hanger, painted (for buses/ships/road-rail vehicles/construction vehicles)	351553.0000	Ø 150 mm, for 6 kg powder extinguishers such as F6 G. from STAR/PRO/EASY lines, PSE 6, PS 6 Ø 150 mm, 6 l water extinguishers from STAR/PRO/EASY lines, SKK 6, SE 6, Si 6, Wi 6, SD 6

* Image similar to the original

Accessories

Extinguisher hangers

Wall hanger, car hanger, deck hanger, wire hanger

Illustration	Type	Part number	Fields of application
	Car hanger, two-piece consisting of:	350937.0000	F1/P1 (aluminium container)
	Hanger rear (single)	148969.0000	F1/P1 (aluminium container)
	Band clip (single)	350757.0000	F1/P1/PDE 1
	Hanger rear (single)	150164.0000	PDE 1 (steel container)
	Wire hanger (single) with band clip made of stainless steel	351609.0000	P1/PDE 1
	Car hanger, three-piece consisting of:	350938.0000	F2/P2/PD 2
	Hanger rear (single)	148984.0000	F2/P2/PD 2
	Band clip (single)	350789.0000	F2/P2/PD 2
	Car hanger, two-piece consisting of:	351344.0000	P2/PD 2
	Wire hanger (single)	350482.0000	P2/PD 2
	Band clip (single)	350789.0000	F2/P2/PD 2
	Fabric band clip (single)	350120.0000	F2/P2/PD 2
	Fabric band clip (with clip hook)	319400.0000	P2/PD 2
	Metal band clip	312320.0000	F2/P2/PD 2
	Pressed band clip (with automatic latch)	317400.0000	F2/P2/PD 2

Accessories

Sign boards and signs

DIN EN ISO 7010, BGV A8, ASR A 1.3

An extensive range of products includes a wide variety of sign boards and signs in accordance with, among others, ISO 7010, BGV A8 and ASR A 1.3.

Our products meet the required standards, and are additionally varied in terms of their mounting options. Sign boards and photoluminescent signs provide safety and orientation in the case of smoke as well as lighting or power failure.

Fields of application

- » Machinery and installations
- » Walls
- » Doors and gates
- » Car parks and construction sites

Product features and operating characteristics

- » Fire protection, evacuation and warning signs
- » Mandatory and prohibitory signs
- » Flags and perpendicular sign boards
- » Different sizes and materials such as foil, plastic or KNS (photoluminescent self-adhesive plastic)
- » KNS sign boards in accordance with DIN 67510
- » On request, individual company imprints can be done



Fire extinguishers in accordance with ISO 7010



Fire extinguisher hoses in accordance with ISO 7010

Accessories

Fire simulation performed using FTR50

DIN 14097 – GDG, DIN VDE 100-410

The GLORIA FTR50 is a compact fire simulator – it is ideally suited for practical training in the field of fire protection and instructions for employees, as well as preparing presentations for customers.

The fire simulator also offers reliable and easy operation and universal mock-ups.

Fields of application

- » Training
- » Instructions
- » Presentations for customers and companies

Product features and operating characteristics

- » Easy and safe one-hand operation
- » A wide range of available simulation mock-ups
- » Easy to transport thanks to its compact design (fits in a car trunk)
- » It can be operated by one person
- » Made of high quality stainless steel, easy to clean



The FTR50 basic module consists of: large-area fire mock-up, two cables supplying electricity and gas, remote control with cable length of 10 m and two pockets.





Type	Part number	Material	Dimensions (H x W x D)	Weight	Power supply
The TR50 basic module consisting of a tub a large-area fire mock-up a cable	002567.0000	Stainless steel	235 x 505 x 505 mm	22 kg 1.7 kg 4.5 kg	220V/50Hz
1 Fat fire mock-up (F)	927421.0000	Stainless steel	580 x 230 x 280 mm	5 kg	--
2 Monitor mock-up	927892.0000	Stainless steel	610 x 600 x 290 mm	10 kg	--
3 Fire mock-up	927423.0000	Stainless steel	Height: 80 mm Ø: 500 mm	18 kg	--
4 Aerosol container mock-up	927424.0000	Stainless steel	600 x 220 x 220 mm	8 kg	--
5 Electric motor mock-up	927425.0000	Stainless steel	360 x 380 x 240 mm	9 kg	--
6 Pipe mock-up	927426.0000	Stainless steel	340 x 280 x 160 mm	4.5 kg	--
7 Trash bin mock-up	927427.0000	Stainless steel	300 x 300 x 300 mm	5.5 kg	--
8 Aerosol cartridge	927896.0000	Aluminum	175 mm / Ø 65 mm	--	--

Accessories

Warning flashers with red and yellow LEDs

Tested in accordance with 2002/95/EC

GLORIA warning flashers used for security purposed in the event of an accident or failure, marking hazardous areas, with 16 yellow, ultra bright LEDs and mounting bracket.

Product features and operating characteristics

- » 9 lighting modes: rotation, dual blinking, single blinking, alternating light, SOS Morse code, continuous light: 1 x high and 1 x low brightness, an activated flash light function with 2 or 4 LEDs
- » A strong magnetic contact for the attachment to magnetic metal parts
- » Visibility at night to approx. 1000 m in a straight line at good weather conditions
- » Air/water visibility: up to 15 km
- » Visibility range: 360°
- » Lighting time up to 70 h (depending on the lighting mode)
- » Immediately ready for use due to the powerful lithium 3V battery, type CR 123A (standard battery type – replaceable after use)
- » An illustrated instructions manual for quick and easy battery replacement
- » Due to the use of high strength plastic and an elastic TPR cover (blue or yellow) highly resistant to cracking and loads
- » Dust and water resistant, floating
- » Individually packed in cardboard boxes, instruction manual in German/English
- » All materials used are in accordance with REACH

It does not replace the protective measures specified in the to the German Law on road traffic (StVZO)!



Warning flasher with a red LED



Warning flasher with a yellow LED

Type	Part number	Dimensions (Ø x H in mm)	Dimensions single box	Weight (g)	Temperature resistance
Warning flasher, orange red LED	002519.0000	105 x 35	110 x 110 x 40	200	-40°C to +60°C
Warning flasher, blue yellow LED	002519.0001	105 x 35	110 x 110 x 40	200	-40°C to +60°C

Accessories

Emergency and escape lighting fixtures

DIN EN 60598-1, DIN EN 60598-2-22, DIN EN 1838

Emergency and escape lighting fixtures are to ensure safety and prevent accidents.

Lighting requirements are often complex and cannot be met using standard products.

Our products meet the required standards, and are additionally varied in terms of design and mounting options.

Fields of application

Possible fields of application include schools, cinemas, department stores, restaurants and hotels.

Product features and operating characteristics

- » Simple and universal mounting (wall or ceiling)
- » Selection of the continuous mode or standby mode
- » Emergency lighting operation time amounting to 3 hours
- » Different areas of application due to the diversity of variants
- » The light source is a white LED
- » Set of pictographs included in the kit (screen printing RAL 6032)
- » The test button: the test result, indication of status (operation, failure) with a colour LED, automatic charging control, protection against complete discharge with a restart block, stoppage in case of inactivity and short-circuit of the inverter



Type	Part number	Dimensions (W x H x D)	Distance	Voltage range	IEC protection class/ IP code
GLO-001	925991.0001	250 x 174 x 34 mm	24 m	230V 50/60Hz, 220V DC +25/-20%	II/IP54
GLO-002	925991.0002	260 x 155 x 70 mm	24 m	230V 50/60Hz, 220V DC +25/-20%	I/IP54
GLO-003	925991.0003	250 x 178 x 34 mm	22 m	230V 50/60Hz, 220V DC +25/-20%	II/IP54
GLO-004	925991.0004	360 x 92 x 125 mm	16 m	230V 50/60Hz, 220V DC +25/-20%	II/IP54
GLO-005	925991.0005	236 x 181 x 64 mm	24 m	230V 50/60Hz, 220V DC +25/-20%	I/IP40

Fire extinguishing systems for building protection

General offer

DIN 14497, based on the VDE and VDI guidelines

GLORIA meets the requirements in the field of fire-extinguishing systems for protection of buildings and constantly develops its range of products to meet the customers' needs.

We design and install individual and customised fire-extinguishing systems for:

- » EDM equipment
- » Machine tools
- » Service machines
- » Power panels and computer systems
- » Fume hoods and exhaust air filtration systems
- » Engine compartments (e.g. sport boats)



Depending on the application, the following fire extinguishing agents can be used: carbon dioxide, argon, extinguishing powder or aerosol. We have prepared a range of serial devices.

In addition, we provide a range of customised solutions that we offer on request.

Fire extinguishing systems for building protection

General offer

DIN 14497, based on the VDE, VDI and HVBG guidelines

Installation using a fire-extinguishing aerosol

B fire class – for fixed installation with manual activation

Trouble-free installation, easy operation, low maintenance costs

The extinguishing generator is provided for extinguishing burning objects in mostly enclosed or inaccessible areas, e.g. in engine compartments on ships.



Type	Part number	Capacity	Activation
SO 200 E-M	002883.0000	ca. 200 g	manual
Fittings: additional cartridge including a bracket and a connecting cable	352277.0000	ca. 200 g	manual
Replacement cartridge	351818.0000	ca. 200 g	manual

Powder extinguishing system with automatic activation

A, B, C fire classes – for fixed installation

External power supply not required, verifiable readiness to use at any time, flexibility in adapting to the object and flexible expandability, ease of maintenance – these are the characteristics of the compact extinguishing system where a fire is detected by means of a freely deployed “SensorFlexLine” wire with sensors, and the powder is applied directly at the site of a fire – completely automatically, even in the event of a power supply shortage within the device.

In addition to the powder extinguishing system, we offer a wide range of individual options of execution, e.g. with additional manual or electric actuation, as an intermediate system with separate extinguishing agent hoses and nozzles, with higher amounts of extinguishing agents or including other extinguishing agents. Please contact us; we offer our advice



Type	Part number	Tips
P 2 GFX *	002851.2246	for max. 2 SensorFlexLine wires with the max. length of 4 m each
P 6 GFX *	002852.2246	for max. 2 SensorFlexLine wires with the max. length of 6 m each
SensorFlexLine 1 m	150054.0100	
SensorFlexLine 4 m	150054.0106	
SensorFlexLine 6 m	150054.0108	

* for each installation there are two detection wires of the desired length

Carbon dioxide installation 19" FLA

B fire class – a ready to use element inserted into the 19" system cabinets

Compact carbon dioxide installation for 19" system cabinets, entirely pre-assembled with a control device, smoke detector for fire detection, extinguishing agent supply and extinguishing agent nozzles. The typical application areas are network and server cabinets, production control systems, telephone switchboards, power panels and communication devices.

Depending on the application, we can offer alternative solutions.



Type	Part number	Extinguishing agent quantity	Permitted field of application
19" FLA-0.7	002867.0000	0.75 kg CO ₂	max. 1 m ³ volume of space
19" FLA-1.5	002867.2098	1.5 kg CO ₂	max. 2 m ³ volume of space

Wall hydrants and the method of extinguishing with water

General offer

DIN 14461, DIN 14462, DIN EN 671



In terms of wall hydrants and fire cabinets, we offer our customers, among others:

- » Wall hydrants with a hose resistant to deformation of the F or S type, in accordance with DIN 14461-1
- » Wall hydrants with flat hoses, in accordance with DIN 144616

We can also offer special versions designed and manufactured in accordance with your requirements and wishes – at low prices already for one piece.

Due to the above, GLORIA is a competent supplier, able to provide a full range of wall hydrant installations, as well as properly advise customers – in a professional and comprehensive manner.

The offer comprises the following equipment included in the method of extinguishing with water,

- » Filling and emptying stations
- » Water separation stations for fire protection purposes
- » Pressure boosting systems for fire protection purposes
- » Insulation of drinking water

as well as other products to supply with water for fire protection purposes or monitoring wall hydrants and installations.

Due to our extensive offer, the products related to wall hydrants and the methods of extinguishing with water can be found in separate catalogues: "The method of extinguishing with water" or "Extinguishing devices utilising water". We can send them whenever you become interested.

Fire classification

In accordance with EN 2

- Official classification of fires in accordance with EN 2

		<div> <div> A </div> <div> B </div> <div> C </div> <div> D </div> <div> F </div> </div>				
Class of fire		Fires involving solid materials, mostly organic matter which usually burns, forming embers, e.g. car tires, hay, wood, coal, paper, straw, textiles	Fires involving liquid or liquidising materials, e.g. ether, alcohol, gasoline, benzene, fats, resins, plastics, paraffin, stearin, tar, wax	Fires involving gases, e.g. acetylene, butane, natural gas, methane, propane, coke oven gas, hydrogen	Fires involving metals, e.g. aluminium, potassium and its alloys, lithium, magnesium, sodium	Fires involving edible oils and fats
Powder extinguishers featuring powder to extinguish glow fires	P G	✓	✓	✓		
Powder extinguishers featuring powder to extinguish metal fires	P M				✓	
Powder extinguishers featuring special powder	P		✓	✓		
Carbon dioxide extinguishers (CO ₂)	K		✓			
Water extinguishers	W	✓				
Fat extinguishers featuring a special extinguishing agent in the form of a liquid	F	✓	✓			✓
Foam extinguishers	S	✓	✓			
		<p>Universal extinguishing agent that can be used successfully against nearly all fire risks. It decreases the thermal energy of the fire which results in cooling down. By melting, ABC-powder forms a salt layer and prevents the supply of oxygen. This type of powder has a cooling, suffocating and anti-catalytic extinguishing effect.</p> <p>D-powder is used in the fire class D, against metal fires. It has a cooling, suffocating and anti-catalytic extinguishing effect.</p> <p>BC-powder is used in the fire classes B and C. The agent is effective against flammable liquids and gases via direct intervention in the course of the reaction of combustion with an anti-catalytic effect.</p> <p>The Carbon dioxide (CO₂) is used in the fire classes B and C against fires involving liquids, combustible materials and flammable gases. Carbon dioxide is a residue-free extinguishing agent and has a suffocating extinguishing effect. It is electrically nonconductive. The use of carbon dioxide as an extinguishing agent requires special precautions, since usage in enclosed spaces poses a risk of suffocation (persons in the room must be warned and evacuated).</p> <p>The extinguishing effect of water is based on a thermal bonding that interferes with the cooling effect of the water. Water impedes the thermal treatment of combustible materials and as a result, the supply of combustible gases and vapors is suppressed. Water generally has a cooling extinguishing effect and caused only minor water damage. Another advantage of the extinguishing agent is the availability and low price.</p> <p>This extinguishing agent has been specially designed for use on grease fires, but can also be used in fire classes A and B.</p> <p>The foaming agent reduces the water surface tension so that it can penetrate, densely compacted materials much better than water. The extinguishing foam works by forming an oxygen-impermeable film over the entire surface of the flammable liquid. Moreover, it has a cooling effect causes only minor water damage. In addition, for F class fires a special liquid agent is used. This extinguishing agent has been specially designed for use on grease fires, but can also be used in fire classes A and B.</p>				

After any use or latest after 2 years the extinguisher must be serviced and refilled by an authorized GLORIA service partner. In commercial areas the service is required by DIN 14406, Part 4 every two years even if the extinguisher wasn't used.

The proper use

Fire extinguishing devices

Incorrect

Never spray the extinguishing agent in the direction opposite to the direction of the wind...



Never use a fire extinguisher for a trial! Do not aim the stream of extinguishing agent randomly towards the flames...



Never extinguish large-sized fires using a single fire extinguisher...



In case of fires involving liquids, do not aim the stream of the extinguishing agent directly into the fire...

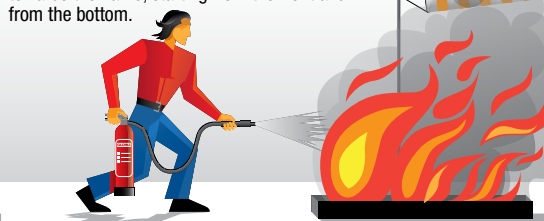


Do not put the unlocked extinguisher back into its place of storage...



Correct

...**always** aim the extinguishing agent in the direction of the wind towards the flame, starting from the front and from the bottom.



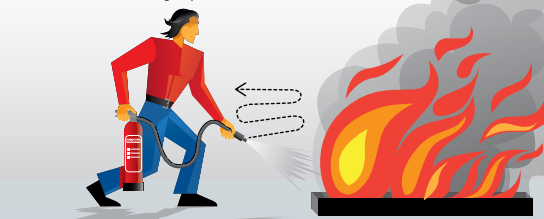
...**always** use only as much of the extinguishing agent as necessary to effectively extinguish the fire. Keep a reserve of the extinguishing agent in case of possible reignition.



...**always** use large-scale extinguishing devices or try to extinguish the fire with several people at the same time!



...distribute the extinguishing agent with a pendular movement over the surface of the burning liquid!



...give it to the GLORIA customer service department* equipped with the original spare parts for the purpose of its maintenance and preparation for re-using!



General terms and conditions

General terms and conditions of business

UTC CCS MANUFACTURING POLSKA STANDARD TERMS AND CONDITIONS OF SALE

1. GENERAL

These general terms and conditions of sale ("Terms") are applicable to all offers, order confirmations, supply and deliveries of any products or services by Seller, unless otherwise agreed. Notwithstanding any inconsistent or additional terms that may be embodied in the Buyer's purchase order, general terms and conditions or other Buyer's document, Seller accepts Buyer's order on the express condition that Buyer agrees to the terms and conditions set forth hereafter as the only terms governing Buyer's order. If Buyer has not previously accepted these Terms, Buyer's acceptance of Seller's placing of a purchase order shall constitute full acceptance of these Terms. The Seller's product information, price lists and quotations shall be offered without engagement unless explicitly stated otherwise. Seller may act on behalf of any other Seller's affiliates. If this is the case, such other affiliate shall be mentioned on the order confirmation or invoice, and any reference below to 'Seller' shall refer to such other Seller's affiliate. The Seller reserves the right to amend these Terms. Any amendments, supplements or exclusions concerning the provisions hereof will be binding upon the parties to the Agreement provided they are implemented or approved by the Seller in writing. The Agreement shall be concluded upon acceptance of an Order by the Seller. A statement of the Seller on acceptance of an Order shall be made in writing i.e. by mail, fax or electronically (Confirmation of Acceptance of Order). The Agreement shall also be concluded in the event that the Seller unconditionally accepts the offer submitted by the Seller. The content of the Confirmation of Acceptance of Order or the Seller's offer (as applicable) is decisive as to the scope of the Seller's services. Subject to the following, any products Buyer purchases from Seller by electronic, phone, paper or any other form of transmission are sold subject to these terms and conditions.

2.DEFINITIONS:

Seller: UTC CCS Manufacturing Polska sp. z o.o.

Buyer: a party placing in Order

Order: List of Goods ordered by the Buyer, sent to the Seller by email, fax or electronic mail

Confirmation of Acceptance of Order: Seller's statement on acceptance of Order

Agreement: Agreement for the Sale of Goods between the Seller and the Buyer, on the terms referred to herein

Terms: these Terms of Sale of UTC CCS Manufacturing Polska sp. z o.o.

Goods: Equipment or services covered by the Order

3. PRODUCTS

The products are those described in Seller's order confirmation or packing slip. Where appropriate in these Terms, the term products shall also include any services which may be provided by Seller.

4. PRICE

The Seller reserves the right to change the prices of Goods as shall be necessary in order to reflect the change of exchange rates, labor force wages, prices of materials, taxes, insurance, transport costs or other costs which the Seller is not liable for, in the period following placement of an Order by the Buyer, and before the Buyer is sent a Confirmation of Acceptance of Order. The new price terms will be specified in the Confirmation of Acceptance of Order and will become binding upon the Buyer upon delivery of a Confirmation of Acceptance of Order to the Buyer. Product prices are exclusive of VAT and determined by the confirmation sent by Seller and unless otherwise stated will be FCA Sosenowice to the place provided in the order confirmation (Incoterms 2010) and payment will be due within 30 days of receipt of the invoice in the manner set out in this clause. If Buyer is to arrange export shipment, upon request by Seller, Buyer agrees to provide free of charge to Seller, evidence of exportation or other evidence of tax or duty exemption acceptable to the relevant taxing or custom authorities, failing which, the amount of any taxes or duties payable by Seller in connection with the sale of product(s) shall be promptly paid by Buyer to Seller upon submission of Seller's invoice. Buyer shall not be entitled to make any deduction from payments due to Seller on account of any alleged set-off or counterclaim. Seller has at all times the right to claim full or partial advance payment and/or otherwise claim security for payment. Should Buyer fail to pay Seller in a timely manner, Buyer agrees to reimburse Seller for Seller's costs of collecting the amounts due and to pay Seller interest on any late payment at a rate of the statutory interest to accrue until actual payment is made. By the mere fact of non-performance or late performance Buyer is in default without notice. Seller may suspend or cancel delivery of any order or installment in the event that Buyer exceeds its credit limit with the Seller and/or has any outstanding overdue payments.

5. DELIVERY

Any delivery dates Seller quotes or which are set out in Seller's order confirmation or acceptance are estimates only and are not legally binding. Seller cannot guarantee delivery on a specific date. Unless otherwise agreed in writing, delivery may be made in installments. Delivery time may be extended if and for so long as the Buyer is delayed in the performance of any obligation to Seller. Seller will not in any circumstance be liable for any loss or damage whatsoever due to delay in delivery (including pursuant to installments) however occasioned unless the same was attributable to Seller's gross negligence or willful misconduct. The quantity recorded on Seller's packing slip and/or Seller's order confirmation shall be accepted by both parties as correct, unless objected to in writing by Buyer within five working days from delivery. Seller shall retain title to the products invoiced to Buyer until (i) Seller has received full payment for all products and (ii) Seller has received payment of all other sums which are or which become due to Seller from Buyer on any account. Until such time as title in the products passes to Buyer, if Buyer re-sells the products or any goods manufactured out of products sold by Seller, Buyer assigns to Seller all proceeds from their sale up to the amounts owing to the Seller and Buyer shall hold such amounts separately on trust for Seller. Buyer shall have the right to access any premises where the products are stored to inspect or recover the goods if Buyer is in breach of any of these terms or upon occurrence any of the events set out at clause The Buyer may withdraw the placed Order following its acceptance by the Seller by way of a Confirmation of Acceptance of Order only upon the Seller's approval. The Seller shall have the right to terminate the Agreement with immediate effect in the case the Buyer violates these Terms, if the Buyer, despite a written call by the Seller, fails to immediately commence, not later than within 3 days, to remedy the effects of such violation. The Seller shall have the right to terminate the Agreement with immediate effect in case of reasons which render it impossible to perform the Agreement for a period of more than 14 days.

6. LIMITED WARRANTY

The Seller shall grant the Buyer a guarantee on the Goods specified in the Order and manufactured by Seller, its affiliates or subsidiaries for a period of eighteen months from the date of shipment of Goods from Seller's plant, however, for a period not shorter than twelve months from the date of supply of the Goods. The Seller shall guarantee that the Goods will be free of any material and manufacturing defects and shall ensure their proper functioning, assuming that they are used and operated in the manner in which they were intended. In case the Seller admits a complaint, the Seller shall repair or replace, at its discretion, free of charge, those parts of the Goods which, based on the examination conducted by the Seller, shall be deemed faulty due to incorrect production, design and/or due to faulty materials. If, during the term of the guarantee, defects are revealed, the Buyer shall immediately notify the Seller of such fact. Depending on the Seller's instruction, the defect can be diagnosed and removed in the place of the fixing of the Good, or in another place indicated by the Company. In case the Good is sent to the place indicated by the Seller, the costs of disassembly, transportation, insurance and the next assembly shall be borne by the Buyer. In case the Buyer's claim is admitted, the repaired or replaced Goods will be sent to the Buyer, and the costs of transport to the Seller's warehouse shall be borne by the Seller. With respect to Goods manufactured and delivered by entities other than Seller, its affiliates or subsidiaries, the Seller shall deliver to the Buyer the guarantees of the producers (suppliers) of such Goods, stipulated by the purchase agreements concluded with such producers (suppliers), making them available prior to the supply of Goods, if possible. This guarantee applies to Goods which were fixed according to the manual, in particular with respect to application and environmental conditions described in the Goods' documentation and which are properly serviced. In addition, this guarantee applies to those Goods that are serviced by the manufacturer's official service of the Seller or other entity having Seller's service authorization. The Seller's liability under this guarantee shall not apply to Goods:

A/ with respect to which the entire sale price has not been paid;

B/ which have been repaired or replaced without the Seller's approval;

C/ which have been fixed or used in a manner which is contrary to the manual of the Seller or for purpose contrary to their designation.

The Seller shall not be liable for damages arising from the use of Goods or for the functioning of the system or a part thereof which the Goods can be an element of. The guarantee issued by the Seller shall not cover an obligation that the Goods will be suitable for a specific purpose or that they will reach certain functionality criteria. The original purchaser is not entitled to extend or transfer this warranty to any other party. To the fullest extent permissible by law, this warranty is in lieu of all other warranties, conditions, representations or other terms, whether written or oral, including any warranty of merchantability or fitness for a particular purpose.

7. LIMITATION OF CLAIMS.

Seller will not be responsible for any harm arising out of Buyer's purchase, possession or use of any products supplied by Seller, Buyer's use of any function on Seller's web-sites or any technical advice Seller may offer, except as agreed in the Limited Warranty set out above or in case of gross negligence or willful misconduct to the extent such is attributable to Seller. Seller will not be liable for consequential damages, including, but not limited to, loss of profits, cost of any substitute for the products Buyer bought, claims of third parties or injury to person or property. Seller shall not be liable for any damage, injury, contamination or loss resulting in connection with breach by Buyer of its obligations under clause 13 and Buyer shall indemnify and hold Seller, its employees, suppliers and subcontractors harmless against all claims, costs, loss or damages in connection with such breach. Conditions limiting, excluding or establishing liability, which can be invoked by suppliers or independent contractors of Seller against Seller in respect of the goods delivered, may also be invoked against Buyer. Nothing in clause 6 and clause 7 or in any other part of these Terms is intended or shall be construed as excluding or limiting Seller's liability for (i) damage ensuing from gross negligence or willful misconduct by Seller (not including employees, subcontractors or agents) or its executive management; or (ii) any other liability that cannot be excluded or limited under applicable law.

8. TECHNICAL ADVICE AND OTHER SERVICES.

Buyer is responsible for the design, configuration, integration, testing and labeling of any system that Buyer makes using products Buyer buys from Seller and Buyer will not rely on anything on Seller's web site or any statement by Seller about the suitability of products or services Seller provides. Buyer is responsible for testing and investigating products sold by Seller enough to form an independent judgment concerning their suitability for the use, conversion or processing intended by Buyer and will not make any claim against Seller based on Seller's technical advice, statements, data, services or recommendations.

9. PATENTS.

Seller warrants that products furnished hereunder shall be delivered free of any rightful claim of any third party for infringement of any valid US or European patent. If notified promptly in writing by Buyer and given authority, information and assistance, and contingent upon Buyer not taking any position adverse to Seller in connection with such claim, Seller shall defend, or may settle at its expense, any suit or proceeding against Buyer so far as based on a valid claim for infringement which would result in a breach of the warranty stated in this section and Seller shall pay all damages and costs awarded therein against

Buyer due to such breach. In case any product or part thereof is in such suit held to constitute such an infringement and the use for the purpose intended of said product or part is enjoined, Seller shall, at its expense and option, either procure for Buyer the right to continue using said product or part, or replace same with a non-infringing product or part, or modify same so it becomes non-infringing, or remove the product and refund to Buyer the purchase price (less reasonable depreciation for any period of use) and any transportation costs separately paid by Buyer. The foregoing states the entire liability of Seller for patent infringement by the products or any part thereof and is subject to Buyer promptly informing Seller of any claim and allowing Seller full conduct of the claim. This does not apply to any product or part specified by Buyer or manufactured to Buyer's design, or to the use of any product furnished hereunder in conjunction with any other product in a combination not furnished by Seller as a part of this transaction, or in case of use of any product furnished hereunder that is in breach of these Terms. As to any such product or part, or use in such combination, Seller assumes no liability whatsoever for patent infringement and Buyer will hold Seller harmless against any infringement claims arising therefrom.

10.CHANGES

If technically possible, the Seller shall have the right, at the Buyer's request, to change the ordered Goods. Potential additional costs of such change will be borne by the Buyer. Additionally, in case the said change caused an extension of the period for designing or production of the ordered Goods, the date of their supply will be postponed accordingly.

The Seller reserves the right to make changes to its goods without notice, including already-ordered goods, assuming that no changes to technical details agreed upon with the Buyer or having impact upon the functionality of the Goods will be made.

11. EVENTS BEYOND SELLER'S CONTROL.

Seller is entitled to invoke force majeure if the implementation of the agreement is, in whole or in part, temporarily or not, prevented or impeded by circumstances reasonably out of its control, including extreme weather conditions, natural catastrophe, warfare, fire, government commission, site or building blockades, transport interruptions, strikes, specific work interruptions or work-to-rule slowdowns and lockout, machine breakdown, delay in the provision to Seller of parts, good or services ordered from third parties, accidents and interruptions of business operations. In the event of force majeure on the part of Seller, Seller shall not be liable and its obligations are suspended. If the force majeure lasts longer than 60 days, both Seller and Buyer are authorized to rescind the non-feasible parts of the agreement by a written declaration.

12. REGULATORY APPROVAL COMPLIANCE.

Seller will give Buyer, if possible, approval certifications on request and Buyer will provide these to all those required by law to receive them. Buyer agrees to dispose of products and/or disposable packaging as required by any applicable disposal or recycling laws.

13. EXPORT CONTROL COMPLIANCE.

Buyer agrees not to transfer, release, supply, export or re-export any products (or any part thereof), engineering information or any information relating to the products, in violation of applicable export control or trade sanctions laws, regulations, rules or orders, including those of the United States, the European Union or any country in which Buyer is registered for trade, as such laws, regulations, rules or orders may be amended from time to time, or in violation of any applicable licenses, general licenses, authorizations or license exceptions relating thereto. Buyer agrees that it will not use or knowingly support the use by others of such products, technology or software in the design, development, production or use of nuclear, chemical or biological weapons or ballistic missiles. DISTRIBUTOR shall not make, and shall ensure that its dealers, agents, sub-contractors and sub-distributors do not make, any sales of Products or services, directly or indirectly, solicited or unsolicited, into the countries listed below, or such other countries or territories as may be designated as sanctioned, denied or otherwise restricted by the US Government: Iran - Sudan and South Sudan - Syria - North Korea - Cuba

14. ELECTRONIC COMMERCE.

Seller may offer products for sale using the Internet, e-mail or other computer-based electronic communications methods. All sales of products made using any such method will be governed by these Terms, the terms of the governing sales agreement, and by any additional terms set out or referenced in Seller's Internet site or electronic communications. In the event of any conflict between any provisions in the governing sales agreement or such additional terms and these terms and conditions, the provisions in the governing sales agreement or such additional terms shall prevail. Buyer is solely responsible for ensuring the security and integrity of its ordering process. Any information provided by Seller via any Internet site or electronic communication (i) is subject to correction or change without notice, and (ii) is provided for the sole use of Buyer for purposes of facilitating individual transactions involving the purchase and sale of Seller's products. Buyer agrees that it shall not rely upon any such information for any purpose other than making individual purchases and shall not seek to assert such information against Seller for any other purpose. Buyer specifically agrees that Seller may issue electronic order acceptances or confirmations and electronic invoices for any purchases of products made using the Internet, e-mail or any other computer-based electronic communications method, and agrees to honor such order acceptances or confirmations and invoices as if they had been delivered in writing.

15. DATA PROTECTION.

In its capacity as controller, Seller processes and controls Buyer's personal data ("Data") whenever Buyer enters into a relationship with Seller. Seller undertakes this processing for the following purposes: to establish and maintain its debtor database and the respective risk profiles as well as for operational and factoring purposes and to rationalize data protection issues within its group. By entering into an agreement with Seller, Buyer consents to this processing, and consents to Seller's communication of Buyer's Data to affiliated companies for the same purposes as mentioned above. Provided that Seller ensures adequate safeguards, Buyer also consents to the fact that Seller may send Buyer's Data to Seller's affiliated companies located in any jurisdiction outside the EEA. Buyer's Data will be kept as long as necessary, and at least until the Seller - Buyer relationship comes to an end. Buyer is entitled to object at any time and free of charge to the processing of its Data for the purposes of direct marketing by sending an email expressing its objection to Seller. Buyer is entitled to access its Data and have it rectified as necessary.

16. ANTI MONEY LAUNDERING.

Seller is firmly committed to avoid any involvement with money laundering, to comply fully with all applicable anti money laundering, currency reporting and record keeping requirements and to take affirmative steps to prevent, detect and report to appropriate authorities suspected violations.

17. TERMINATION FOR DEFAULT.

If Buyer does not fulfill one or more of its obligations in these Terms , does not fulfill them timely or adequately, is declared bankrupt, requests (temporary) moratorium, is insolvent or is unable to pay its debts, or takes any steps or any other person takes such steps towards the liquidation of Buyer's business, or if Buyer undertakes any event that is analogous to any of the aforementioned in any jurisdiction, Seller has the right to suspend the implementation of the agreement or to rescind the agreement in whole or in part, without prior notice or default, by written declaration, at its option and always reserving any rights to which it is entitled with respect to amounts due to Seller, compensation for costs, damage and interest. In these cases all of Seller's claims on Buyer are immediately and totally due. Buyer is authorized to rescind the agreement only in the events referred to in these Terms, and then only after payment to Seller of all amounts owed to Seller at that time, whether due or not.

18. FORCE MAJEURE

The Seller shall not be liable for a failure to perform or improper performance of the Agreement, resulting directly from force majeure circumstances. Force majeure shall comprise a sudden and unexpected event, independent on the parties' will, which renders performance of the Agreement impossible in full or in part, permanently or for some time, which cannot be prevented and counteracted upon observance of due diligence. Force majeure shall include, in particular: a) natural disasters, e.g. fire, flood, drought, earthquake, hurricanes, etc.; b) governmental acts such as martial law, state of emergency, embargos and blockades; c) acts of war, sabotage; d) strikes and lockouts; e) riots; f) acts of legislative and executor authorities; g) unpredictable serious damage concerning the equipment or tools of the Company which materially affects production capacity of the Company; h) inclement weather conditions, and i) telecommunication disruptions, etc.

19. ARBITRATION

In case of a dispute concerning interpretation or performance of the Agreement, the Parties shall immediately take up negotiations in order to settle the dispute amicably. If a dispute is not settled within 30 days of the date of a written call of any Party to settle it amicably, the dispute shall be forwarded to the Arbitration Court at the National Chamber of Commerce in Warsaw. During arbitration proceedings, both Parties shall continue to perform the Agreement, with the exception of the part which shall be the subject of arbitration. The arbitrators' award shall be final. The costs of administrative procedure shall be borne by the Party which loses the dispute before the Arbitration Court. Upon implementation of the award and adjudication, the Court shall apply Polish law. The application of the provision of the Vienna Convention on the international sale of goods shall be excluded.

20.OTHER.

(a) These Terms set out the full extent of Seller's obligations and liabilities. Other than as expressly provided in these terms, all warranties, conditions, representations made by Seller, and all other terms, in each case whether express or implied by law, are excluded to the fullest extent permitted by law. (b) Failure or delay by Seller to enforce any provision of these terms will not be deemed to be a waiver of any of Seller's rights under these terms. (c) Seller shall be entitled to freely assign the agreement and/or subcontract any level of performance under these Terms to any of its affiliated companies or third party. (d) The Seller shall not be liable for an incorrect or improper interpretation of information and technical data included in catalogues, prospectuses and other materials concerning the Goods. Proposals, advice and instructions other than those included in the catalogues, prospectuses and other materials of the Company shall be used by the Buyer at its own responsibility. The Seller's liability on account of extended warranty (rpkojnia) shall be excluded, except for sale with participation of consumers (e) Each provision of this agreement is separate and independent. If any provision or part of a provision is found by a court that has appropriate jurisdiction to be illegal, void or otherwise unenforceable, it shall to that extent be deemed not to form part of these Terms but the remainder of that provision and all of the other terms shall not be affected.

The Buyer represents that it became familiar with the contents of these Terms of Sale of UTC CCS Manufacturing Polska Sp. z o.o.

Information

Legend - fields of application

- | | | | |
|----|-----------------------------------|----|--|
| 1 | agriculture sector | 24 | municipal facilities |
| 2 | outdoor areas | 25 | hospitals |
| 3 | pharmacy laboratories | 26 | plastics manufacturing |
| 4 | files storage | 27 | laboratory areas |
| 5 | archives | 28 | lithium batteries |
| 6 | office facilities | 29 | metalworking |
| 7 | bakeries | 30 | paper and packaging warehouse |
| 8 | DIY stores | 31 | private households |
| 9 | chemical industry | 32 | production halls |
| 10 | EDP areas, server space | 33 | petrochemical plants |
| 11 | airports | 34 | refineries |
| 12 | vehicles, freight carriers | 35 | cleanrooms |
| 13 | butcheries | 36 | shooting ranges |
| 14 | gastronomy | 37 | shipping |
| 15 | large kitchens | 38 | textiles |
| 16 | (underground) garages, park homes | 39 | administration and production areas |
| 17 | woodworking | 40 | residential areas |
| 18 | heating systems | 41 | workshops |
| 19 | craft business | 42 | warehouse |
| 20 | hotels | 43 | cars |
| 21 | snack stands | 44 | police, fire departments, border guards etc. |
| 22 | canteens and mensen | | |
| 23 | department stores | | |



The fire extinguisher rating

The extinguishing capability - an explanation

The fire extinguisher rating is a way to assign fire classes and extinguishing power. The fire extinguisher rating represents a decisive criterion for admission to the DIN EN. 3.

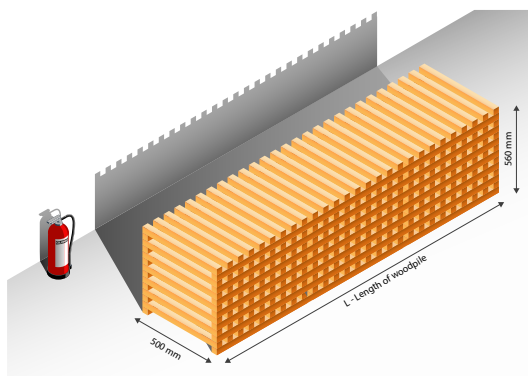
The extinguishing capability of the extinguisher shall be determined for the respective fire classes in fire tests and as performance class indicated by a number-letter combination. The notified number refers to the extinguished objects (number of wooden sticks and length of the wood stack or quantity of flammable liquid) and is denoted by letter for fire classification (eg.: A = glow fires or B = liquid fires).

A Rating

To perform a test fire class A, a specially prepared pine woodpile is used. The height of the pile is 560 mm and the length of each wood pole is 500 mm.

The number of wooden poles depends on the rating to be achieved eg. 27A means that the wood pile should consist of 27 (2,7 m in length).

Rating	Wooden poles number	Length of woodpile (L, in m)
5A	5	0,5
8A	8	0,8
13A	13	1,3
21A	21	2,1
27A	27	2,7
34A	34	3,4
43A	43	4,3
55A	55	5,5

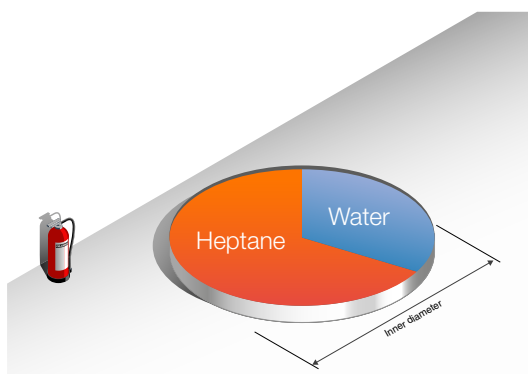


B Rating

To perform a test fire B, a special cylindrical container filled with 1/3 water and 2/3 fuel (heptane) is used.

The amount of fuel corresponds with the achievable rating e.g. rating 144B means that an extinguisher can put out a fire of 144 l of fuel.

Rating	Liquid Volume (1/3 water + 2/3 Fuel l)	Inner diameter (at the edge, in mm)
21B	21	920 ± 10
34B	34	1170 ± 10
55B	55	1480 ± 10
70B	70	1670 ± 10
89B	89	1890 ± 10
113B	113	2130 ± 10
144B	144	2400 ± 10
183B	183	2700 ± 10
233B	233	3000 ± 10



Distributor:

Gloria distribution

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