

GLORIA®

Safety First

80 YEARS
GLORIA®



THE FUTURE IS FLUORINE-FREE
The GLORIA concept for sustainable fire fighting



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

The latter foam fire extinguishers are now being tackled: The European Commission has evaluated the proposal by the European Chemicals Agency (ECHA) to completely ban fluorinated surfactants, which are difficult to break down in nature, from extinguishing foams, and the European Parliament has now confirmed this.

The regulation banning PFAS-containing extinguishing foams was adopted on 2 October 2025 and will enter into force 20 days after its publication in the Official Journal of the European Union.

In our brochure, we would like to provide you with detailed information about the fluorine-free future of GLORIA wet extinguishers. GLORIA has been completely fluorine-free since November 2024 and relies exclusively on fluorine-free foam fire extinguishers in both production and sales.

Facts about PFAS in extinguishing foams

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

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

What are PFAS?

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

Why are foam extinguishing agents criticized?

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

What does the future look like?



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

The future is clearly fluorine-free. Based on the draft regulation adopted by the European Commission, the use of devices containing fluorinated surfactants will be banned with transition periods.

We have summarised the details of the regulation adopted by the European Commission in a timeline. This can be viewed via the following QR code.



Are there any transition periods for existing equipment?

The transition periods originally prepared by the ECHA were reviewed by the European Commission at the end of 2024 and have now been adopted as part of the regulation. We have summarised these for you in a timeline. Selected GLORIA models can be converted to fluorine-free operation using the appropriate conversion kits.

A new purchase is pending - what does GLORIA recommend?

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

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

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

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

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

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

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

Further information about 'Fluorine-free' can be found on our website at www.gloria.de, in the category 'GLORIA Knowledge' or by scanning the QR code on the right.



PFAS regulation of fire-extinguishing foams

Placing on the market and labelling requirements

Extinguishing foams in portable fire extinguishers*

Prohibition on the placing on the market of portable fire extinguishers in accordance with EN 3-7, EN 1866 and 16856 containing PFAS-based firefighting foams.

Fire extinguishing foams, e.g. in extinguishing systems (does not apply to portable fire extinguishers*)

- Labelling requirement for all fire extinguishing foams containing ≥ 1 mg/l PFAS, including for stock and waste.
- Use of fire extinguishing foams only under the following conditions:
 - Use only for fire class B
 - Minimisation of emissions and environmental releases
 - Obligation to collect, document and dispose of properly
 - 'PFAS management plan' with the following content: locations and quantities used, measures to prevent pollution, cleaning and maintenance procedures, emergency plans in case of accidental release, fluorine-free conversion strategy

Exceptions Part 1

Extinguishing foams in portable fire extinguishers*

Prohibition on the placing on the market of alcohol-resistant fire extinguishing foam in portable fire extinguishers

Fire extinguishing foams, e.g. in extinguishing systems (does not apply to portable fire extinguishers*)

Use of extinguishing foams for training/testing fire extinguishing systems (if foam can be collected).

Public fire brigades and private fire brigades + the exception for industrial fires Directive 2012/18/EU

Exceptions Part 2

Fire extinguishing foams, e.g. in extinguishing systems (does not apply to portable fire extinguishers*)

Prohibition on the placing on the market and use of fire extinguishing foams with a total PFAS concentration of at least 1 mg/l may not be placed on the market or used.

Exception:
Cleaned equipment 50 mg/l (does not apply to portable fire extinguishers)

General ban

Extinguishing foams in portable fire extinguishers*

Expiry of the transition period for portable fire extinguishers according to EN 3-7, EN 18696 and EN16856.

General ban on the use of fire extinguishers containing PFAS-based extinguishing agents

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Since 2019, the European Chemicals Agency (ECHA) has been working on a general ban on fluorinated surfactants in fire extinguishing foams.

Following the publication of the draft in spring 2022 and the subsequent legislative process, it is now official:

The regulation banning PFAS-containing fire extinguishing foams was adopted on 2 October 2025 and will enter into force 20 days after its publication in the Official Journal of the EU.

This means that PFAS-containing extinguishing agents may no longer be manufactured, used or placed on the market in the EU in future – staggered according to areas of application and transition periods.

Our timeline provides a compact overview of the most important milestones and upcoming deadlines for both portable fire extinguishers* and fire extinguishing foams in, for example, fire extinguishing systems.

Exceptions Part 3

Fire extinguishing foams, e.g. in extinguishing systems (does not apply to portable fire extinguishers*)

Prohibition on the use of fire extinguishing foams in establishments covered by Directive 2012/18/EU (excluding civil aviation); offshore, oil and gas industry installations, military vessels, civil vessels (provided that the foam was brought on board before 23 October 2025).

23.10.2026

23.04.2027

23.10.2030

31.12.2030

23.10.2035

*The term "portable fire extinguishers" refers to portable fire extinguishers in accordance with EN3-7, mobile fire extinguishers in accordance with EN-1866 and fire extinguishing spray in accordance with EN-16856.

The fluorine-free GLORIA cartridge operated foam fire extinguishers STAR-Line



GLORIA cartridge operated foam fire extinguishers STAR line are completely fluorine-free with semi-automatic valve and extinguishing pistol, approved according to DIN EN 3 for fire classes A and B.

The GLORIA semi-automatic valve has been designed for intuitive use. Incomparable and typical of GLORIA, the valve gives the units a forward-looking, compact appearance. Performance, economy and design form a postmodern symbiosis in this series.

■ Main advantages of the STAR-LINE

- Intuitive and ready to use in no time: unlock, lift the handle - done!
- Robust carrying handle made of glass-fibre reinforced plastic with ergonomic carrying characteristics.
- Laser-welded pressurised cylinder.
- Exterior coated with durable polyester resin powder coating.
- Long-lasting plastic inner coating to protect against corrosion.
- Approved in accordance with the Pressure Equipment Directive 2014/68/EU (CE).

- Uniform, high-strength, glass fibre-reinforced special plastic valve body.
- High temperature, ozone and UV resistant.
- Also highly resistant to chemicals, moisture and corrosion.
- Standardised neck ring, thread size M74x2.
- Uniform, black anodised metal locking collar.
- Internal propellant bottle with stainless steel adapter and corrosion-resistant plastic coating. (technical data marked with resistant laser printing)

■ Details and performance features of the STAR-LINE

Cartridge operated fire extinguisher SKA+ 

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

Cartridge operated foam fire extinguisher SKE 

- Highly maintenance-friendly, no additives in the water
- Convincing extinguishing performance on A and B fires
- Separate storage of foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Model	Art.-No.	Extinguishing agent	Type	Propellant	Extinguishing performance LE*	Discharge range/-duration	Temperature range	Total weight	H/W/D in bracket ø – Cylinder
SKA+ 6 STAR	811661.0035	Foam concentrate in cartridge + water + additives	S 6 H	CO ₂	34A 144B 10 9	ca. 4,5 m ca. 60 sec.	5 °C to +60 °C	ca. 10,1kg	ca. 540/280/165 mm ø 150 mm
SKA+ 9 STAR	811671.0035	Foam concentrate in cartridge + water + additives	S 9 H	CO ₂	43A 183B 12 12	ca. 4,5 m ca. 80 sec.	5 °C to +60 °C	ca. 15,3 kg	ca. 575/280/205 mm ø 190 mm
SKE 6 STAR	811661.0000	Foam concentrate in cartridge + water	S 6 H	CO ₂	21A 113B 6 6	ca. 4,5 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,1 kg	ca. 540/280/165 mm ø 150 mm
SKE 9 STAR	811671.0000	Foam concentrate in cartridge + water	S 9 H	CO ₂	27A 183B 9 12	ca. 4,5 m ca. 60 Sec.	5 °C to +60 °C	ca. 15,3 kg	ca. 575/280/205 mm ø 190 mm

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

The fluorine-free GLORIA cartridge operated foam fire extinguishers PRO-Line



GLORIA cartridge operated foam fire extinguishers PRO line are completely fluorine-free with strike-knob activation and extinguishing pistol, approved according to DIN EN 3 for fire classes A and B.

The classic strike-knob activation, which is particularly popular in the commercial sector, in combination with the rotatable and lockable extinguishing pistol, characterises this series in the unmistakable GLORIA design.

■ Main advantages of the PRO-LINE

- Tried-and-tested GLORIA strike-knob activation.
- Robust handle made of glass-fibre reinforced plastic with ergonomic carrying properties.
- Laser-welded pressure cylinder.
- Exterior coated with durable polyester resin powder coating.
- Long-lasting plastic inner coating to protect against corrosion.
- Approved according to Pressure Equipment Directive 2014/68/EU (CE).
- Uniform, high-strength, glass-fibre reinforced special plastic valve body.
- High temperature, ozone and UV resistant.
- In addition, high chemical resistance, moisture-resistant and corrosion-free.
- Uniform neck ring, thread size M74x2.

- Uniform, black anodised metal locking collar
- Internal propellant bottle with stainless steel adapter and corrosion-resistant plastic coating. (technical data marked with resistant laser printing)
- Ageing-resistant, LABS-free quality hose assembly with fabric insert made of synthetic rubber material.
- Rotatable and stoppable extinguishing pistol for ideal fire fighting.
- Robust, impact-resistant plastic skirt with hose nozzle holder ensures stability and protection of the unit against damage and corrosion.
- Special foam pipe with high area coverage enables optimum application of the extinguishing agent.

■ **Details and performance features of the PRO-LINE**

Cartridge operated fire extinguisher SKA+ 

- High fire-extinguishing performance on A and B fires – Now even more powerful with 10 extinguishing agent units on B fires
- Separate storage of foam concentrate in pre-assembled cartridge and additional water additives.
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Cartridge operated fire extinguisher SB . SBF 

- High extinguishing performance on B fires with only 6 litres capacity (SB)
- Foam with impregnating effect on fire source and surroundings
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Cartridge operated fire extinguisher SKE 

- Highly maintenance-friendly, no additives in the water
- Convincing extinguishing performance on A and B fires
- Separate storage of foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Model	Art. No.	Extinguishing agent	Type	Propellant	Extinguishing performance LE*	Dischargerange/- duration	Temperature range	Total weight	H/W/D in bracket ø – Cylinder
SKA+ 6 PRO	811641.0035	Foam concentrate in cartridge + water + additives	S 6 H	CO ₂	34A 183B 10 10	ca. 4,5m ca. 60 sec.	+5 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SKA+ 9 PRO	811651.0035	Foam concentrate in cartridge + water + additives	S 9 H	CO ₂	43A 183B 12 12	ca. 4,5m ca. 80 sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SKE 6 PRO	811641.0000	Foam concentrate in cartridge + water	S 6 H	CO ₂	21A 113B 6 6	ca. 4 m ca. 35 sec.	+5 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SKE 9 PRO	811651.0000	Foam concentrate in cartridge + water	S 9 H	CO ₂	27A 183B 9 12	ca. 4 m ca. 60 sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SB 6 PRO	813731.0000	Premix	S 6 H	N ₂	21A 183B 6 12	ca. 4,5 m ca. 70 sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 550/280/165 mm ø 150 mm
SB 9 PRO	813741.0000	Premix	S 9 H	N ₂	27A 183B 9 12	ca. 4,5 m ca. 90 sec.	+5 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm
SBF 6 PRO	814171.0000	Premix	S 6 H	CO ₂	21A 113B 6 6	ca. 4 m ca. 35 sec.	-20 °C to +60 °C	ca. 10,1kg	ca. 550/280/165 mm ø 150 mm
SBF 9 PRO	814181.0000	Premix	S 9 H	CO ₂	27A 183B 9 12	ca. 4 m ca. 48 sec.	-20 °C to +60 °C	ca. 15,3 kg	ca. 585/280/205 mm ø 190 mm

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

The fluorine-free GLORIA cartridge operated foam fire extinguishers EASY-Line



Simplicity and safety are not a contradiction in the EASY-LINE, but a long-standing concept. The clear focus on the essentials without saving on safety and performance has been impressively implemented in the design of the EASY-LINE.

■ Product features

- Large performance portfolio within the extinguishing agents foam (6 and 9 l), water (6 and 9 l), fat fire (3 and 6 l) and powder (6, 9 and 12 kg)
- Consistently used uniform operating elements
- Good carrying characteristics due to stable hand lever
- Uniform, high-strength, glass-fibre reinforced special plastic valve body. Also robust, tensile strength, stable, high chemical resistance, moisture-resistant, corrosion-free, high temperature resistance, UV-resistant.
- All valve components with standardised screw connection
- Uniform neck ring M 74
- Uniform, black anodised metal locking collar
- Ageing resistant hose assembly

■ Details and performance features of the EASY-LINE

Cartridge operated fire extinguisher SKA+

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

Cartridge operated foam fire extinguisher SKE

- High ease of maintenance, no additives in the water
- Convincing extinguishing performance on A and B fires
- Separate storage of the foam concentrate in pre-assembled cartridge
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Model	Art. No.	Extinguishing agent	Type	Propellant	Extinguishing performance LE*	Discharge range/-duration	Temperature range	Total weight	H/W/D in bracket ø – Cylinder
SKA+ 6 EASY	814121.0035	Foam concentrate in cartridge + Water + additives	S 6 H	CO ₂	34A 144B 10 9	ca. 4 m ca. 54 sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 600/310/165 mm 150 mm
SKA+ 9 EASY	814131.0035	Foam concentrate in cartridge + Water + additives	S 9 H	CO ₂	43A 183B 12 12	ca. 4 m ca. 80 sec.	+5 °C to +60 °C	ca. 15,5 kg	ca. 620/290/205 mm 190 mm
SKE 6 EASY	811681.0000	Foam concentrate in cartridge + water	S 6 H	CO ₂	21A 113B 6 6	ca. 4 m ca. 35 Sec.	+5 °C to +60 °C	ca. 10,1 kg	ca. 600/310/165 mm 150 mm
SKE 9 EASY	811691.0000	Foam concentrate in cartridge + water	S 9 H	CO ₂	27A 183B 9 12	ca. 4 m ca. 60 Sec.	+5 °C to +60 °C	ca. 15,5 kg	ca. 620/290/205 mm 190 mm

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

The fluorine-free GLORIA foam stored pressure fire extinguishers



Portable, completely fluorine-free stored pressure foam fire extinguisher with squeeze-grip operation, approved according to DIN EN 3 for fire classes A and B.

■ Main advantages of stored pressure fire extinguishers

- Ready for immediate use after the safety pin is removed
- Practical units of the standard class with high extinguishing capacity
- Easy to use squeeze-grip operation - for carrying and releasing at the same time
- Extinguishing agent cylinder made of high-quality steel
- Ageing resistant hose assembly

■ Details and performance features of the stored pressure fire extinguishers

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

SDB 6 . SDB 9 

- High extinguishing performance (183B) on B-fire (12LE) with only 6 litres capacity.
- Foam with impregnating effect on the source of the fire and the surrounding area
- Special foam nozzle with high surface coverage, enables ideal application of the extinguishing agent.
- Reignition is largely suppressed.

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

- High extinguishing performance on A and B fires (SD 6/9 P)
- Foam with impregnating effect on the source of the fire and surroundings
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

SD 6 F . SD 9 F 

- Frost-proof down to -20 °C
- Foam with impregnating effect on the source of the fire and the surrounding area
- Special foam nozzle with high surface coverage enables ideal application of the extinguishing agent
- Reignition is largely suppressed.

Type	Art.-No.	Extinguishing agent	Model	Propellant	Extinguishing performance LE*	Discharge time/ range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
SDB 6	813681.0000	Premix	S 6 L	N ₂	21A 183B 6 12	ca. 4 m ca. 42 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 540/275/182 mm ø 170 mm
SDB 9	811741.0000	Premix	S 9 L	N ₂	27A 233B 9 12	ca. 4 m ca. 65 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SD 6 P	813681.0035	Premix	S 6 L	N ₂	34A 144B 10 9	ca. 4 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 540/275/182 mm ø 170 mm
SD 9 P	811741.0035	Premix	S 9 L	N ₂	43A 183B 12 12	ca. 4 m ca. 48 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SD 6 E	814222.1808	Premix	S 6 L	N ₂	21A 144B 6 9	ca. 4 m ca. 35 Sec.	5 °C to +60 °C	ca. 10,5 kg	ca. 557/275/165 mm ø 150 mm
SD 9 E	814232.1808	Premix	S 9 L	N ₂	27A 183B 9 12	ca. 4 m ca. 48 Sec.	5 °C to +60 °C	ca. 14,6 kg	ca. 617/300/202 mm ø 190 mm
SD 6 F	814201.0000	Premix	S 6 L	N ₂	21A 113B 6 6	ca. 4 m ca. 35 Sec.	-20 °C to +60 °C	ca. 10,9 kg	ca. 540/275/182 mm ø 170 mm
SD 9 F	814211.0000	Premix	S 9 L	N ₂	27A 183B 9 12	ca. 4 m ca. 48 Sec.	-20 °C to +60 °C	ca. 15,1 kg	ca. 617/300/202 mm ø 190 mm

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

The fluorine-free GLORIA fat fire extinguishers



Burning fat can easily exceed a temperature of more than 1000 °C, is self-igniting and requires a robust and absolutely safe fire extinguisher to prevent flash fires or even fat explosions

■ Details and performance features

FA STAR

- Intuitive and therefore lightning-fast to use: unlock, simply lift handle - done!
- Robust carrying handle made of glass-fibre reinforced plastic with ergonomic carrying characteristics.
- Reignition is largely suppressed
- GLORIA fat fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates fat fire extinguishing agent

FA PRO

- Tried and tested GLORIA firing strike-knob activation.
- Robust handle made of glass-fibre reinforced plastic with ergonomic carrying characteristics.
- Reignition is largely suppressed
- GLORIA fat fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates fat fire extinguishing agent

FA EASY

- Easy to carry due to stable handle
- Reignition is largely suppressed
- GLORIA fat fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates fat fire extinguishing agent

FDA 2

- With pressure gauge (enables visual pressure control)
- Environmentally friendly due to targeted and metered application of the extinguishing agent
- Can be used on electrical installations up to 1000 volts, minimum distance 1 m
- With bracket

FDA 3 . FDA 6

- Reignition is largely suppressed
- GLORIA fat fire extinguishers are frost-proof down to -5 °C
- Yellow colour code indicates fat fire extinguishing agent

Type	Art.-No.	Extinguishing agent	Model	Propellant	Extinguishing performance LE*		Discharge time/ range	Temperature range	Total weight	H/W/D in bracket ø - cylinder
FA 6 STAR	814131.0000	Wet chemical	W 6 H	CO ₂	13A 4	75F 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 600/270/165 mm ø 150 mm
FA 6 PRO	814121.0000	Wet chemical	W 6 H	CO ₂	13A 4	75F 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 550/280/165 mm ø 150 mm
FA 3 EASY	814101.0000	Wet chemical	W 3 H	CO ₂	8A 2	75F 9	ca. 4 m ca. 30 Sec.	-5 °C to +60 °C	ca. 6,8 kg	ca. 432/270/165 mm 150 mm
FA 6 EASY	814111.0000	Wet chemical	W 6 H	CO ₂	13A 4	75F 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 600/270/165 mm 150 mm
FDA 2	811531.0000	Wet chemical	W 2 L	N ₂	5A 1	40F 3	ca. 2 m/ ca. 12 Sec.	-5 °C to +60 °C	ca. 4,2 kg	ca. 375/131/113 mm ø 113 mm
FDA 3	813651.0000	Wet chemical	W 3 L	N ₂	8A 2	75F 9	ca. 4 m ca. 30 Sec.	-5 °C to +60 °C	ca. 6,4 kg	ca. 432/270/165 ø 150 mm
FDA 6	814161.0000	Wet chemical	W 6 L	N ₂	13A 4	75F 9	ca. 4 m ca. 50 Sec.	-5 °C to +60 °C	ca. 12,3 kg	ca. 540/275/182 mm ø 170 mm

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

The fluorine-free GLORIA mobile foam fire extinguishers



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

■ Main advantages of mobile foam extinguishers

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

■ Details and performance features of mobile foam extinguishers

- External weather-resistant and durable coating
- Large wheels (30 cm), ideal for height differences
- Depending on the type, optional 5 or 10 m high-pressure hose for flexible use
- Built-in safety valve in locking unit
- Safe storage of the N² propellant bottle in retaining bracket

SEF 50 S . SDE 50 S 

- MED approval
- Standardised extinguishing pistol with foam tube
- With extinguishing pistol, also for use on electrical installations up to 1000 volts / minimum distance 1 m
- Pressure content product less than 1000, therefore no ZÜS test required

SK 50 S 

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

Model	Art.-No.	Extinguishing agent/ quantity	Type	Propellant	Extinguishing performance LE*	Discharge range/- duration	Temperature range	Total weight	H/W/D in bracket ø – Cylinder
SK 50 S	5 m: 810868.2969 10 m: 810869.2969	Foam concentrate + water	S 50 H	N ₂	IV B 50	ca. 8 m ca. 300 sec.	5 °C to +60 °C	ca. 84 kg	1050/565/675 mm ø 400 mm
SEF 50 S	5 m: 810896.2851 10 m: 810899.2851	Premix	S 50 H	N ₂	IV B 50	ca. 8 m ca. 270 sec.	5 °C to +60 °C	ca. 82 kg	1150/475/570 mm ø 315 mm
SDE 50 S	5 m: 810870.2851 10 m: 810871.2851	Premix	S 50 L	N ₂	IV B 50	ca. 8 m ca. 240 sec.	5 °C to +60 °C	ca. 80 kg	1140/450/550 mm ø 315 mm

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

The GLORIA concept for sustainable fire fighting

The new GLORIA fluorine-free foam fire extinguishers offer several advantages and technical features.



Extremely environmentally friendly quality foam

Made in Europe, with non-fluorinated water additives and 100% bio-based surfactants of the latest generation. Contains no environmentally harmful PFOS or PFOA and is free of silicones.



Innovative extinguishing agent

Easily biodegradable



Special nozzle on portable models

Developed for the special requirements of B fires with fluorine-free foams



GLORIA „Fluorine-free-logo“

Special labelling with GLORIA „Fluorine-free“-logo - a clear distinguishing feature from existing fluorinated foam fire extinguishers.



Can be used on electrical installations

... up to 1000V, minimum distance 1m
(for higher voltage observe DIN VDE 0132)



Particularly powerful on B fires

183B (12 LE) for selected portable models and IV B (50 LE) for the mobile models

The GLORIA concept for sustainable fire fighting

Areas of Use

- Chemistry and petrochemistry
- Warehouse
- Airports
- Hospitals, medical facilities, nursing homes
- Industrial Areas
- Administrative and Manufacturing areas
- Hotels
- Offices

GLORIA Plea:

The future is fluorine-free

Fluorine-free foam extinguishers as well as modern high-performance water extinguishers will shape the image of our workplaces, especially indoors.

Specialist planners will design fire protection concepts in a more differentiated way and according to environmental aspects. Hazard assessments will be more rationally oriented towards fire risks and loads in individual company sections.

A mix of different extinguishing agents with the same fire extinguisher release fittings can mean custom-fit solutions for companies and at the same time be ecologically balanced and economical.

GLORIA guarantees to provide you with competent and future-oriented advice.



The fluorine-free GLORIA cartridge-operated water extinguisher range.



We have compiled the answers to the most important questions for you in an FAQ document „Wet extinguishers in transition“, which you can view using the QR code on the right.

If you have any further questions, please do not hesitate to contact us at any time. Please contact us by phone or e-mail.



Safety First

For eight decades, we have been the right point of contact for all matters relating to preventive fire protection. During this time, we have been able to gain a wealth of experience, optimise our products and adapt them to current requirements.

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

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

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



Portable Fire Extinguishers



Mobile Extinguishers



Smoke detectors



CO detectors



**Training, Seminars,
Information**



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



VR Fire Trainer

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