

CAFS range

S 50 P CAFS / S 50 A CAFS

S 50 F CAFS / S 50 Free CAFS

Description

Compressed Air Foam Systems (CAFS) are compressed air foam units which are characterised by particularly homogeneous foam, a high adhesion of the foam also on vertical surfaces and by a comparatively high discharge width (also vertically). The foam agent is mixed with the propellant gas (nitrogen) at the outlet of the extinguishing agent tank and not in the nozzle.

All S 50 CAFS models are based on mobile 50 L foam units and have a uniform design with regard to the stainless steel containers used with safety valve, the 5 L nitrogen cylinders with pressure reducer, the nitrogen feed system and the hoses with foam pipe.

After pulling out the safety pin, the nitrogen cylinder is opened by turning the valve (handwheel). The propellant gas opens the concentrate reservoir in the models with concentrate cartridge and pressurises the extinguishing agent container in all units. The jet of extinguishant can be released and controlled via the hose and the foam pipe, which can be turned off at any time.

The S 50 P CAFS uses an AFFF as an additive, which is contained in a closed concentrate cartridge. Mixing with the water in the CAFS tank only takes place when the pressure is built up. The unit is not frost-protected.

The S 50 A CAFS contains a premix foaming agent which can also extinguish fires of polar liquids (alcohols). Application takes place in frost-protected areas.

The S 50 F CAFS is filled with a frost-protected premix and can therefore also be used in outdoor areas.

A fluorine-free foam concentrate is used in the S 50 Free CAFS. This makes this type particularly environmentally friendly. The fluorine-free additive is stored in a closed concentrate cartridge, which is only released when the pressure is built up.

Extensive tests in accordance with the European Standard EN 1866 by the German test centre MPA Dresden before the extinguishers are launched on the market ensure a high level of safety and reliability for the user.

Protective covers and other support equipment (e.g. signage) are available in various versions on request.



Key advantages

- Four different CAFS models cover all application areas
- Simple and safe to use
- Rechargeable extinguishers are only pressurised when used
- Homogeneous foam with high adhesion even to vertical surfaces
- Very large discharge widths (also vertical)
- Extinguishing agent container made of stainless steel with external plastic powder coating
- 100% pressure test of all containers
- With safety valve as standard to prevent excessive pressures
- 5 L nitrogen bottle provides reserves of propellant gas
- Standard pressure reducer guarantees constant pressures over the spraying time
- Constant discharge width across the entire spraying time
- Foam pipe can be shut off at any time
- Very long spraying times are an advantage for inexperienced users
- Fluorine-free model S 50 Free CAFS has great environmental credentials
- Universal applicability against A and B as well as alcohol fires with the S 50 A CAFS
- Frost-protected model S 60 F CAFS can also be used in outdoor areas
- Environmentally and service-friendly concentrate cartridges in the S 50 P CAFS / S 50 Free CAFS
- No visual obstruction when extinguishing (great advantage over powder extinguishers)
- Model variants with 5 m and 10 m hose selectable
- All models Made in Germany

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Applications include

- Fires of materials of various types within fire classes A and B
- Manufacturing and processing industry
- Chemical industry
- Warehouses and logistics, also high-bay warehouses

- Storage areas that are difficult to access
- Production, storage and processing of technical alcohols (S 50 A CAFS)
- Outdoor areas not protected against frost (S 50 F CAFS)
- Disposal and recycling companies

Technical data



Model	S 50 P CAFS	S 50 A CAFS	S 50 F CAFS	S 50 Free CAFS
Design	Rechargeable extinguisher			
Extinguishing agent	50 L water + AFFF	50 L Premix ARC foam	50 L Premix frost-resistant foam	50 L water + foam additive
Special feature	Foam concentrate in cartridge	Alcohol-resistant foam	Frost-resistant foam	Fluorine-free foam; foam concentrate in a cartridge
Extinguishing capacity	A / IV B	A / IV B / polar liquids	A / IV B	A / II B
Discharge width	approx. 10 m to 12 m horizontal ; approx. 8 m vertical			
Weight (filled)	approx. 90 kg			
Functional duration	approx. 110 s			
Temperature range	+5 °C to +60 °C	+5 °C to +60 °C	-30 °C to +60 °C	+5 °C to +60 °C
Height	1030 mm			
Width	475 mm			
Conformities	EN 1866, CE*			

*Directive 2014/68/EU

The company reserves the right to make technical changes

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Made in Germany



- ✓ geschweißt
- ✓ beschichtet
- ✓ gefüllt
- ✓ geprüft

NEURUPPIN

Höchste Qualität für Ihre Sicherheit

Your fire protection dealer