

COMPACT CAFS 200-1200 (Variant I and II)



Illustration shows a COMPACT CAFS 1000 with a NH35 and FIXMIX 2.0 (Variant I)

Description

The COMPACT CAFS 200-1200 in the variants I and II is a comprehensively certified compressed air foam system for integration in fire-fighting vehicles. Due to the individual configurability and compact design it can be optimally adapted to the fire-fighting strategies and vehicle sided requirements. In addition, it impresses with an intuitive one-button operation, an on and off switchable compressor, an adjust-able pump pressure and full-fledged CAFS outlets.

Benefits

Individual configurability

- Normal pressure pump N25, N35, N45 and N55 or combined normal and high pressure pump NH25, NH35, NH45 and NH55
- Around the pump foam proportioning system FIXMIX 2.0 (Variant I) or direct injection foam proportioning system DIGIMATIC 42 (Variant II)
- Classification DLS 200 to DLS 1200 defined by the number and the flow rate of the CAFS proportioning chambers
- Connection of the pump unit to the chassis via CAN-BUS or hardwired

Compact design

- On the normal pressure pump mounted around the pump foam proportioning system FIXMIX 2.0 (Variant I)
- In the pump unit integrated belt-driven compressor and integrated CAFS proportioning chambers (Variant I and II)

Comprehensively certified

- Certification for fire-fighting in the field of electrical installations (Variant I and II)
- Approval according to the European standard and the international standard for compressed air foam systems EN 16327 and ISO 7076-6 (Variant II)

Intuitive one-button operation

- Activation of the completely shutdown CAFS system with a single button press

On and off switchable compressor

- Compressor only runs in CAFS operation
- Automatic shutdown of the compressor in case of imminent overheating without interruption of the water flow

Adjustable pump pressure

- Varying the pump pressure between 5 bar and 10 bar depending on the required hose length and throw range

Full-fledged CAFS outlets

- Use of CAFS outlets for operation with water or water-foam mixture

COMPACT CAFS 200-1200 (Variant I and II)



Integrated CAFS
proportioning chamber



Mounted
FIXMIX 2.0 (Variant I) *



Integrated and on and off
switchable compressor



Intuitive
one-button operation

Technical data - Design ¹

Pressure outlets	<ul style="list-style-type: none"> 1 x 2" pressure outlet on the pump with a MK 200 or MK 400 2 x 2" pressure outlet on the pump each with a MK 200 or MK 400
First attack	<ul style="list-style-type: none"> 1 x 1½" outlet freely positionable with a MK 200 or MK 400

¹ Additionally up to two 2½" pressure outlets (NP water) on the pump and up to two 1½" outlets (HP water) freely positionable

Technical data - Proportioning chamber

Type	MK 200	MK 400
Flow rate (CAFS mode) ²	70 - 200 l/min @ 7 bar	70 - 400 l/min @ 7 bar
CAF foam quantity ³	800 l/min	1.600 l/min
Expansion ratio ⁴	4 (wet foam) - 15 (dry foam)	
Flow rate (Water mode)	400 l/min @ 10 bar	800 l/min @ 10 bar
Nozzle	1 x nozzle	2 x nozzles

² Depending on the set expansion ratio

³ With a set expansion ratio of 4 (wet foam)

Technical data - Compressed air supply

Classification	DLS 200 to DLS 400	DLS 600 to DLS 1200
Compressor	belt-driven screw compressor	
Belt drive	13 kW	34 kW
Air quantity	1.600 l/min @ 11 bar	5.000 l/min @ 11 bar
Cooling	oil / water - plate heat exchanger	

* For a standard compressed air foam system according to EN 16327 and ISO 7076-6 the direct injection foam proportioning system DIGIMATIC 42 is required

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