

CONTI CAFS 400-2400 HYDRAULIC (Variant I and II)



Symbolic picture

Description

The CONTI CAFS 400-2400 in the version HYDRAULIC 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 adjustable pump pressure and full-fledged CAFS outlets.

Benefits

Individual configurability

- Normal pressure pump N10 (Variant II), N25, N35, N45, N55, N65 and N80 or combined normal and high pressure pump NH25, NH35, NH45 and NH55 (Variant I and II)
- Around the pump foam proportioning system FIXMIX 2.0 (Variant I) or direct injection foam proportioning system DIGIMATIC 42 (Variant II)
- Classification DLS 400 to DLS 2400 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 FIXIMIX 2.0 (Variant I)
- In the fire-fighting vehicle freely positionable hydraulic-driven compressor (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

CONTI CAFS 400-2400 HYDRAULIC (Variant I and II)



Modular
CAFS piping



FIXMIX 2.0 (Variant I) or
DIGIMATIC 42 (Variant II) *



Freely positionable and on
and off switchable compressor



Intuitive
one-button operation

Technical data - Design ¹

Pressure outlets	<ul style="list-style-type: none"> 1 x 2½" pressure outlet with a MK 400 or MK 800 as modular CAFS piping 2 x 2½" pressure outlet with a MK 400 or MK 800 as modular CAFS piping 3 x 2½" pressure outlet with a MK 400 or MK 800 as modular CAFS piping
Optional first attack	<ul style="list-style-type: none"> 1 x 1½" outlet per proportioning chamber freely positionable
Optional turret supply	<ul style="list-style-type: none"> 1 x 2½" supply line to the turret line per modular CAFS piping

¹ Additionally up to four 2½" pressure outlets (NP water) positioned laterally and up to two 1½" outlets (HP water) freely positionable

Technical data - Proportioning chamber

Type	MK 400	MK 800
Flow rate (CAFS mode) ²	70 - 400 l/min @ 7 bar	70 - 800 l/min @ 7 bar
CAF foam quantity ³	1.600 l/min	3.200 l/min
Expansion ratio ⁴	4 (wet foam) - 15 (dry foam)	
Flow rate (Water mode)	800 l/min @ 10 bar	1.200 l/min @ 10 bar
Nozzle	2 x nozzles	3 x nozzles

² Depending on the set expansion ratio

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

⁴ Depending on used foam agent

Technical data - Compressed air supply

Classification	DLS 400	DLS 800	DLS 1600 bis DLS 2400
Compressor	hydraulic-driven screw compressor		
Hydraulic motor	6.500 rpm / 15 kW / 12 cm ³	3.500 rpm / 21 kW / 18 cm ³	6.000 rpm / 37 kW / 18 cm ³
Air quantity	2.000 l/min @ 11 bar	2.800 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

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