

RFC CAFS Cube

Mobile compressed air foam system



Description

The RFC CAFS Cube is a compact, mobile compressed air foam system that can be permanently installed in existing or new fire engines and can also be implemented as a mobile solution. This makes it particularly suitable for uncomplicated and cost-effective retrofitting to upgrade an existing fleet of vehicles.

Benefits

Universal extinguishing system

- full-featured pump system with all functions of a classic portable pump
- output of pure water or generation of water foam solution or wet and dry compressed air foam
- proportioning rate adjustable to 0,1 %, 1 % or 3 % and thus suitable for all conventional foaming agents and for wetting agent application

Intuitive operation

- immediately ready for use via a switch and logical operating philosophy via the LCS Compact
- automatic water and manual foam suction mode
- easy switching between water, foam or CAFS mode and between wet and dry compressed air foam

First-class extinguishing performance

- excellent extinguishing effect through maximum cooling, effective displacement of oxygen, and thorough penetration of the burning object
- high degree of protection against burn-back due to interruption of the oxygen supply and continuous cooling
- preventive protection against flying sparks and heat for property endangered by fire

Excellent throw range

- large safety distance from the source of fire
- makes the fighting of fires in inaccessible places and at heights easier

Visible extinguishing success

- white compressed air foam with strong adherence properties is visible to the jet pipe operator
- the evaporation of compressed air foam acts as an indicator of surfaces that are still too hot

RFC CAFS Cube

Mobile compressed air foam system



Technical data

Dimensions	B x D x H = appr. 1.103 x 756 x 725 mm
Weight	appr. 280 kg
Certification ¹	DIN EN 16327:2014-07
Classification	Compressed Air Foam System EN 16327 - CAFS 400 / 1600
Engine	Briggs&Stratton V2-cylinder 4-stroke engine, 993cm ³ , output 29 kW
Cooling (engine)	air
Fuel tank	supply over external fuel can
Pump	single-stage centrifugal pump
Priming pump	ejector pump
Foam admixing system	membrane pump
Proportioning rate	0,1 %, 1 % or 3 %
Foam agent tank	supply over external foam agent can
Compressor	belt-driven screw compressor
Air quantity	appr. 1.200 lpm at 8 bar
Cooling (compressor)	oil / water - plate heat exchanger
Connections	<ul style="list-style-type: none">▪ 4½" suction side▪ 2 x 2½" pressure side
Flow rate (water mode)	appr. 750 lpm at 10 bar
Flow rate (foam mode)	appr. 400 lpm at 6,5 bar
Flow rate (CAFS mode) ²	appr. 100 - 400 lpm at 6,5 bar
CAFS foam quantity ³	appr. 1.600 l/min
Expansion ratio ⁴	appr. 4 (wet foam) - 11 (dry foam)

¹ certification is in progress

² depending on the set expansion ratio

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

² expansion ratio depends on foam compound used

Contact

Rosenbauer International AG
Paschinger Straße 90
4060 Leonding, Austria
Tel.: +43 732 6794-0
Fax: +43 732 6794-91

www.rosenbauer.com

Follow us on      