FLASH CAFS AR60 - AR480

CAFS for Stationary Extinguishing Systems

Description

Superior foam quality and never before reached throw ranges: that‘s FLASH CAFS. Highly efficient compressed air foam (CAFS) is produced by mixing compressed air with a premix of water and foam agent in the FLASH CAFS unit.
The compressed air is provided by a set of compressed air bottles. This way the system does not need any external energy. It is therefore completely autonomous.

For stationary fire extinguishing systems CAFS can be used for the protection of big buildings (eg. storage areas, aircraft hangars), special machines (paint shops, coal power plants etc.) and flammable materials (eg. plastic, waste).

Advantages

Wide range of applications
- CAFS release via nozzles, turrets, or hand line nozzle
- Consistent spread of CAFS on the burning material
- Throw ranges up to 80 m / 260 ft (for turrets)
- Precise extinguishing
- Great radius of action

Controlled expansion
- Smoke cannot influence foam expansion
- Immediate achievement of foam performance

Simple retrofitting
- Mechanical system
- Completely autonomous
- Compact design

CAFS - Innovative fire fighting
- Uniformly high foam quality
- High extinguishing efficiency
- Sustainable cooling
- Small application rates
- Enhanced protection against back-burning
- Fast oxygen deprivation
- Minimization of water damages
- CAFS foam adheres to hot surfaces

Sufficient air supply
- With a 50 l /300 bar bottle of compressed air approx. 3,000 l of premix (water mixed with extinguishing agent) can be converted into foam. The amount of compressed air necessary depends on the available amount of extinguishing agent.
- Refillable standard propellants

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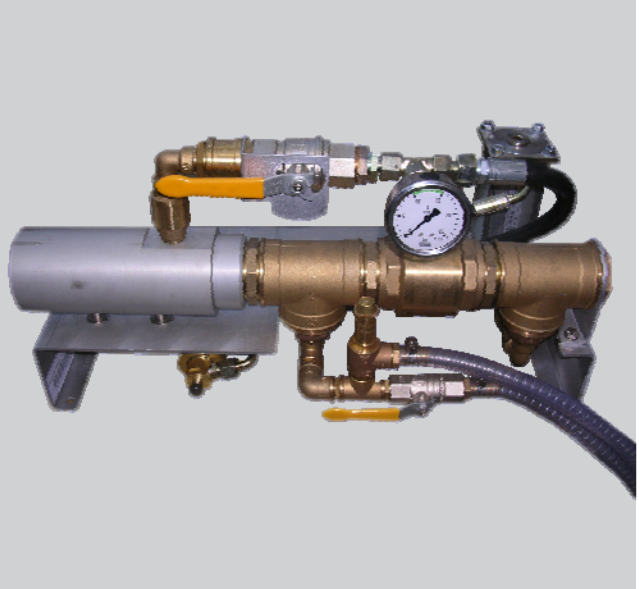

FLASH CAFS AR 60

Spray cone nozzle with CAFS

Technical Data

Model	FLASH CAFS AR60	FLASH CAFS AR100	FLASH CAFS AR200	FLASH CAFS AR480
Flow Rate (for CAFS, expansion ratio = 8)	750 l/min at 10 bar	1,250 l/min at 10 bar	2,500 l/min at 10 bar	6,000 l/min at 10 bar
Propellant	disp. x 50 l / 300 bar	disp. x 50 l / 300 bar	disp. x 50 l / 300 bar	disp. x 50 l / 300 bar
Mixing Chamber	MK600	MK1000	MK2000	MK5000
Flow Rate (water-foam-mixture at 1 bar pressure loss in the central unit)	900 l/min at 10 bar	1,500 l/min at 10 bar	3,000 l/min at 10 bar	7,200 l/min at 10 bar
Operating Pressure (max.)	16 bar	16 bar	16 bar	16 bar
Expansion Ratio Variable (set ex works expansion rate = 8)	4-15	4-15	4-15	4-15
CAF Amount (at expansion rate = 8)	approx. 6,000 l/min	approx. 10,000 l/min	approx. 20,000 l/min	approx. 48,000 l/min
Dimensions of Central Unit	L x W x H (approx.) 510 x 320 x 445 mm 20” x 13” x 18”	L x W x H (approx.) 560 x 325 x 450 mm 20” x 13” x 18”	L x W x H (approx.) 455 x 300 x 485 mm 18” x 12” x 19”	L x W x H (approx.) 530 x 435 x 485 mm 21” x 17” x 19”

Contact

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