

TUNNEL EXTINGUISHING SYSTEM

CAFS / Foam



For more safety in tunnels

Easy-to-use technology for difficult situations combined with high extinguishing efficiency: the CAFS tunnel extinguishing system deprives the fire of oxygen quickly and cools its source. Great throw ranges allow the operator a safe distance to the fire. Thanks to its compact design, the tunnel extinguishing system can be mounted in niches with a depth of just 60 cm (24 in). Over 300 installations throughout Europe speak for this economic, low-maintenance tunnel extinguishing system.

Benefits

Immediate actuation

- Vehicle fires are easy to control in the first few minutes with the right fire extinguishing solution
- An efficient tool for first responders and rescuers
- Deployable on site and without delay

Efficient firefighting system

- Safe distance to the origin of the fire
- Maximum extinguishing performance thanks to CAFS
- Ultra-light, stable fabric hose
- Sufficient extinguishing agent volume

Easy and safe operation

- Flip the lever
- Remove the pistol-grip nozzle
- Unreel the fabric hose
- Actuate the pistol-grip nozzle

Specifically designed for tunnel operators:

- Easily retrofittable at any location
- Compact design

CAFS

- Expansion is actively controlled in the CAFS mixing chamber - protected from environmental effects
- Distributed over the entire source of the fire
- High throw ranges
- Uniformly high foam quality
- Sticks to hot surfaces
- Flames are extinguished more quickly because of oxygen deprivation
- Increased protection against back burning
- Low application rates

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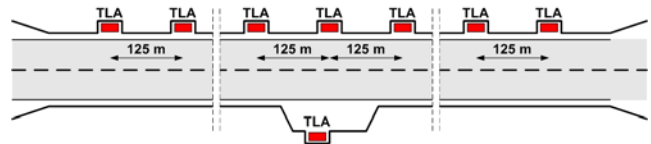


Scope of Delivery

- Wall mount bracket
- Reel assembly with frame and deflecting device
- Ultra-light, stable fabric hose
- AFFF or AFFF-ARC extinguishing agent canister
- Pistol-grip nozzle with holder
- Connects to stationary water supply
- Custom design for mounting on central wall
- Sensor: system open/closed

Example

Extinguishing system in fire extinguishing niches.



Extinguishing system in emergency turnout bays.

Technical specifications

Type	60 / 32 S	60 / 25 S	60 / 19 S	80 / 19 S	120 / 19 S	60 / 25 S	80 / 25 S	120 / 25 S
Extinguishing agent	CAFS (AFFF or AFFF-ARC)		Foam AFFF or AFFF-ARC (alcohol resistant AFFF)					
Activation	manual	electric	manual					
Hose length	60 m 197 ft		60 m 197 ft	80 m 262 ft	120 m 394 ft	60 m 197 ft	80 m 262 ft	120 m 394 ft
Hose weight (filled)	71 kg 157 lbs	45 kg 99 lbs	29 kg 64 lbs	40 kg 88 lbs	60 kg 132 lbs	45 kg 99 lbs	60 kg 132 lbs	90 kg 198 lbs
Hose Ø (inside)	32 mm 1.26 in	25 mm 0.98 in	19 mm 0.75 in			25 mm 0.98 in		
Throw range	up to 25 m up to 82 ft		up to 22 m up to 72 ft			up to 25 m up to 82 ft		
Output	50—120 l/min 13—32 gpm		50—60 l/min 13—16 gpm			70—110 l/min 18—29 gpm		
Input pressure	7—15 bar 100—220 psi		8—16 bar 115-230 psi					
Proportioning	Ad-Mix		Mechanical direct injection foam proportioner					
Proportioning rate	1%		3%					
Compressed air cylinders	2 x 50 l / 300 bar 2 x 13.2 gal / 4,350 psi		-					
Art. No.	PP001-CM01	PP001-CE01	PP001-SM01	PP001-SM02	PP001-SM03	PP001-SM04	PP001-SM05	PP001-SM06

The TLA 60/25 S CAFS transmits various signals about the system to the control center in order to monitor its status.

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