

POLY EPH SL50

On a single-operator reel



Description

The CAFS extinguishing system built on a single-operator reel is the perfect extinguishing system for emergency vehicles that are unable to access the scene due to narrow alleys, heavy traffic, or impassable terrain. In practical use, the POLY EPH SL50 impresses above all through its powerful CAFS firefighting equipment as well as its unique functionality and, in combination with numerous available options, it can also be customized for your operation-specific requirements.

Benefits

Independent system

- works entirely independent from external energy sources and technical systems and is therefore always reliably and permanently ready for action

User-friendly start-up

- easy and fast start-up by turning the compressed air bottle valve and actuating the CAFS nozzle

Wide range of applications

- suitable for direct fire fighting of solid and liquid fires as well as for preventative protection of objects at risk of fire

Easy to use

- simple extinguishing procedure that saves extinguishing agent due to the CAF sticking to the flammable object and evaporating on the hot surface

Large action radius

- large safety distance between the user and the flammable object as well as fighting of fires in inaccessible areas

Excellent extinguishing performance

- rapid extinguishing success as well as excellent burnback safety thanks to the thorough and highly efficient mode of action of the CAFS
- minimal fire damage through immediate suppression of flames as well as low water damage through complete evaporation of the water bound in the CAF foam
- large extinguishing agent capacity with equal water volume due to active foam expansion

One-off maintenance

- can be operated with environmentally-friendly, fluorine-free foam compounds due to the separate foam compound cartridge
- especially easy to repair by separate filling of the extinguishing agent tank as well as the separate foam compound cartridge without having to account for mixing ratios
- extremely low maintenance costs due to the separate foam compound cartridge, which allows for longer extinguishing agent intervals compared to ready-to-use water-foam compound mixtures

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On emergency vehicle

Technical data

Limber device	DIN 14826-2
Nominal fill quantity	50 l (13,2 gal)
Operational duration	approx. 111 s
Weight	<ul style="list-style-type: none">filled = approx. 168 kg (370,4 lbs)unfilled = approx. 118 kg (260,2 lbs)
Dimensions	L x W x H = approx. 970 x 760 x 1.380 mm (38,2 x 29,9 x 54,3 inch)
Foam proportioning	continuous at approx. 1 %
Expansion ratio ²	approx. 8 for wet CAF foam
Flow rate	approx. 27 l/min (7,1 gal/min) at 7 bar (101,5 psi)
Compressed air bottle	5 l / 200 bar (1,3 gal / 2900,8 psi)
Throw range / Throw height	approx. 16 m (52 ft) / approx. 10 m (32 ft)
Hose	FORMTEX special textile hose DN 19 x 20 m (65 ft)
Nozzle	<ul style="list-style-type: none">CAFS nozzle RD 9 with fixed solid jetCAFS nozzle Select Flow RB 99 EN with adjustable spray jet
Foam compound ¹	<ul style="list-style-type: none">STHAMEX -class AFomtec AFFF 1% FFomtec AB -30 NE
Operating temperature ²	- 20 °C (- 4 °F) bis + 50 °C (+ 122 °F)

¹ Test was performed with these foam compounds (Use of other foam compounds is possible)

² Depending 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

 www.facebook.com/rosenbauergroup