

POLY ATV SL100 CAFS

POLY Extinguishing system on ATV



Description

With the POLY ATV SL100 you have an optimal extinguishing system at your disposal if the scene of the emergency is located off of paved roads in terrain that's impassable, or if it is accessible through narrow access ways only, due to local conditions. It is impressive in practical use, above all thanks to its top level extinguishing efficiency as well as its sustained availability during operations while at the same time being highly mobile and, in conjunction with numerous additional options, can be adapted to your specific operational requirements.

Benefits

Highly efficient CAFS firefighting equipment

- rapid extinguishing result as well as excellent burn-back safety thanks to the strong and sustainable cooling and suffocation effect of the CAFS foam
- Multiplication of the available extinguishing capacity through active foam expansion with compressed air
- targeted precise extinguishing process using the CAFS foam as an indicator for hot spots
- good visibility through low build-up of water vapour during flame penetration
- minimal extinguishing agent and fire damage through low water consumption and short extinguishing time

Large and safe action radius

- highest degree of mobility during firefighting thanks to a up to 80 m (262 ft) stable, non-kink and super lightweight FORMTEX special textile hose
- largest possible distance from the fire thanks to a throw range of approx. 16 m (52 ft) and a throw height of approx. 10 m (32 ft)

Application types

- direct firefighting of incipient and small class A and B fires
- preventative protection of endangered objects through the application of CAFS foam

Easy maintenance

- Recovery of the operational readiness by the operator in just a few work steps and without any special training or tools

Various usage possibilities

- Firefighting in difficult terrain or narrow alleys
- stationary fire protection in public and commercial areas
- mobile fire protection for events

User-friendly operation

- ready to operate in approx. 5 seconds: open cylinder valve, detach hose, remove and activate CAFS nozzle

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Option: Control panel



Option: Decompression via a relief line or fire hose



Option: Quick tank filling or quick tank filling and external water supply



Technical data - Polaris ATV

Model	RANGER 800 EPS (4x4)	RANGER 800 (6x6)	BIG BOSS 800 EFI (6x6)
Engine	2-cylinder, 4-stroke gasoline engine / Cubic capacity 800 cm ³ / liquid-cooled		
Drive unit	Automatic transmission (H / L / N / R) with selectable all-wheel drive		
Brakes	hydraulic disk brakes		
Dimensions L x W x H	2900 x 1520 x 1930 mm (114,2 x 59,8 x 76,0 inch)	3480 x 1520 x 1930 mm (137,0 x 59,8 x 76,0 inch)	2845 x 1219 x 1219 mm (112,0 x 48,0 x 48,0 inch)
Ground clearance	310 mm (12,2 inch)	305 mm (12,0 inch)	270 mm (10,6 inch)
Dry weight / load	545 kg / 415 kg (1201,5 lbs / 914,9 lbs)	704 kg / 567 kg (1552,1 lbs / 1250,0 lbs)	480 kg / 330 kg (1058,2 lbs / 727,5 lbs)
Tank capacity	34 l (9,0 gal)	34 l (9,0 gal)	15,5 l (4,2 gal)

Technical data - Extinguishing system

Model	RANGER 800 EPS (4x4)	RANGER 800 (6x6)	BIG BOSS 800 EFI (6x6)
Nominal fill quantity	100 l (26,4 gal)		
Operational duration	approx. 171 s		
Weight (Agent tank with frame)	<ul style="list-style-type: none"> ▪ filled = approx. 176 kg (388,0 lbs) ▪ unfilled = approx. 76 kg (167,6 lbs) 	<ul style="list-style-type: none"> ▪ filled = approx. 176 kg (388,0 lbs) ▪ unfilled = approx. 76 kg (167,6 lbs) 	<ul style="list-style-type: none"> ▪ filled = approx. 159 kg (350,5 lbs) ▪ unfilled = approx. 59 kg (130,1 lbs)
Dimensions L x W x H (Agent tank with frame)	approx. 1.093 x 1.500 x 828 mm (43,0 x 59,1 x 32,6 inch)	approx. 1.093 x 1.500 x 828 mm (43,0 x 59,1 x 32,6 inch)	approx. 1.121 x 1.160 x 828 mm (44,1 x 45,7 x 32,6 inch)
Expansion ratio ³	approx. 8 for wet CAFS foam		
Flow rate	approx. 35 l/min (9,2 gal/min) at 7 bar (101,5 psi)		
Compressed air cylinder ¹	6 l / 300 bar (1,6 gal / 4351,1 psi)		
Hose ¹	manual Rosenbauer hose reel with FORMTEX special textile hose DN 19 x 80 m (262 ft)		
Nozzle ¹	CAFS RD 9 nozzle with fixed solid jet		
Foam compound ²	<ul style="list-style-type: none"> ▪ Fomtec AFFF 1% F ▪ STHAMEX -AFFF 3% ▪ Fomtec AB -30 NE 		
Operating temperature ³	- 20 °C (- 4 °F) to + 50 °C (+ 122 °F)		

¹ Alternative designs are also available

² Test was performed with these foam compounds (Use of other foam compounds is possible)

³ Depending on foam compound used

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