

# POLY ATV SL100

## On a all-terrain vehicle



## Description

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If scene access is impeded due to narrow alleys, heavy traffic, or impassable terrain, then the CAFS extinguishing system built on an all-terrain vehicle is the ideal extinguishing system. In practical use, the POLY ATV SL100 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

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### 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

# POLY ATV SL100

## On a all-terrain vehicle



Supply (optional)



Ranger 900 (4x4) in action



Ranger 800 (6x6) in action

### Technical data - All-terrain vehicle

Model	POLARIS Ranger 900 XP EPS EFI (4x4)	POLARIS Ranger 800 XP EFI (6x6)
Transmission	<ul style="list-style-type: none"> <li>2-cylinder 4-stroke gasoline motor</li> <li>900 cm<sup>3</sup> cylinders-displacement</li> <li>PVT automatic transmission (H/L/N/R)</li> <li>switchable all-wheel drive</li> </ul>	<ul style="list-style-type: none"> <li>2-cylinder 4-stroke gasoline motor</li> <li>800 cm<sup>3</sup> cylinders-displacement</li> <li>PVT automatic transmission (H/L/N/R)</li> <li>switchable all-wheel drive</li> </ul>
Max. speed	approx. 68 km/h	approx. 40 km/h
Seats	3 pieces	
Dimensions	L x W x H = approx. 3.123 x 1.520 x 1.930 mm (123,0 x 59,8 x 76,0 inch)	L x W x H = approx. 3.655 x 1.520 x 1.930 mm (143,9 x 59,8 x 76,0 inch)

### Technical data - Extinguishing system

Nominal fill quantity	100 l (26,4 gal)
Operational duration	approx. 272 s
Foam proportioning	continuous at approx. 1 %
Expansion ratio <sup>2</sup>	approx. 8 for wet CAF foam
Flow rate	approx. 22 l/min (5,8 gal/min) at 7 bar (101,5 psi)
Compressed air bottle	6 l / 300 bar (1,6 gal / 4.351,1 psi)
Throw range / height	approx. 16 m (52 ft) / approx. 10 m (32 ft)
Hose	<ul style="list-style-type: none"> <li>manual hose reel with hand crank with FORMTEX special textil hose DN 19 x 40 m (131 ft)</li> <li>automatic hose reel with spring return with FORMTEX special textil hose DN 19 x 40 m (131 ft)</li> </ul>
Nozzle	<ul style="list-style-type: none"> <li>CAFS nozzle RD 9 with fixed solid jet</li> <li>CAFS nozzle Select Flow RB 99 EN with adjustable spray jet</li> </ul>
Foam compound <sup>1</sup>	<ul style="list-style-type: none"> <li>STHAMEX -class A</li> <li>Fomtec AFFF 1% F</li> <li>Fomtec AB -30 NE</li> </ul>
Operating temperature <sup>2</sup>	- 20 °C (- 4 °F) bis + 50 °C (+ 122 °F)

<sup>1</sup> Test was performed with these foam compounds (Use of other foam compounds is possible)

<sup>2</sup> Depending on foam compound used

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