

# RFC POLY SKID MODULE SL100

## Fire extinguishing system for universal use



Symbolic representation

## Description

The RFC POLY SKID MODULE SL100 is part of a complete series, which is available in various variants and can be deployed in a variety of ways. The module can be placed on mobile equipment carriers, mounted on pull-outs and can be permanently installed in vehicles. This makes it ideal for both stationary fire protection and integration into fire engines.

## Benefits

### Energy-independent extinguishing system

- immediately ready for use upon opening the compressed air cylinder valve and activating the jet pipe
- extremely maintenance-friendly and reliable due to the absence of electrical systems and mechanical drives
- no noise or exhaust emissions during operation

### First-class extinguishing performance

- excellent extinguishing effect through maximum cooling, effective displacement of oxygen, and thorough penetration of the burning object
- high degree of protection against burn-back due to interruption of the oxygen supply and continuous cooling
- preventive protection against flying sparks and heat for property endangered by fire

### Excellent throw range

- large safety distance from the source of fire
- makes the fighting of fires in inaccessible places and at heights easier

### Visible extinguishing success

- white compressed air foam with strong adherence properties is visible to the jet pipe operator
- the evaporation of compressed air foam acts as an indicator of surfaces that are still too hot

### Rapid refilling

- easy filling of the extinguishing agent container by means of a garden hose and the separate foam agent cartridge with a filling funnel via external quick-release couplings
- uncomplicated measurement of foaming agent quantities using a separate measuring cup with an individualized scale that corresponds to the amount of water

### Different foam qualities

- use of conventional 0.5% or 1% Class A and Class B foam compounds and also fluorine-free foam compounds
- wet and dry compressed air foam

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### Technische Daten

<b>Fill quantity</b>	approx. 100 l (26,4 gal)
<b>Dimensions <sup>1</sup></b>	W x D x H = on request
<b>Weight <sup>1</sup></b>	<ul style="list-style-type: none"><li>▪ filled = on request</li><li>▪ unfilled = on request</li></ul>
<b>Foam proportioning</b>	generation of a premix solution with 0.5% or 1% foam concentrate when the compressed air bottle is activated
<b>Foam quality <sup>2</sup></b>	<ul style="list-style-type: none"><li>▪ wet compressed air foam</li><li>▪ dry compressed air foam</li></ul>
<b>Flow rate</b>	<ul style="list-style-type: none"><li>▪ approx. 38 l/min (10,0 gal/min) at 9 bar (130,5 psi) (wet compressed air foam)</li><li>▪ approx. 31 l/min (8,2 gal/min) at 9 bar (130,5 psi) (dry compressed air foam)</li></ul>
<b>Working duration</b>	<ul style="list-style-type: none"><li>▪ approx. 158 s (wet compressed air foam)</li><li>▪ approx. 194 s (dry compressed air foam)</li></ul>
<b>Compressed air bottle</b>	6 l / 300 bar (1,6 gal / 4351,1 psi)
<b>Throw range / Throw height <sup>3</sup></b>	approx. 16 m / 10 m (52,5 ft / 32,8 ft)
<b>Hose</b>	<ul style="list-style-type: none"><li>▪ manual hose reel with hand crank with special textile hose DN 19 x 40 m (131,2 ft)</li><li>▪ automatic hose reel with spring return with special textile hose DN 19 x 40 m (131,2 ft)</li></ul>
<b>Nozzle</b>	nozzle with fixed full jet
<b>Foam compound <sup>4</sup></b>	<ul style="list-style-type: none"><li>▪ STHAMEX<sup>®</sup>-Performance 1% F-10 (foam concentrate)</li><li>▪ Fomtec AFFF 1% F (foam concentrate)</li><li>▪ MOUSSEAL<sup>®</sup>-CF F-30 (finished foam solution)</li></ul>
<b>Operating temperature</b>	<ul style="list-style-type: none"><li>▪ + 5 °C bis + 50 °C (foam concentrate)</li><li>▪ - 20 °C bis + 50 °C (finished foam solution)</li></ul>

<sup>1</sup> Complete and operative fire extinguisher

<sup>2</sup> Expansion ratio depends on foam compound used

<sup>3</sup> Throw range and throw height are almost identical for wet and dry compressed air foam

<sup>4</sup> Fire tests were performed with these foam compounds (use of other foam compounds is possible)

### Contact

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