

# RFC POLY Skid (100 liter)

## Fire extinguishing system for universal use



### Description

The RFC POLY Skid 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 tank by means of a garden hose and the separate foam concentrate cartridge with a filling funnel via external quick-release couplings
- uncomplicated measurement of foam concentrate 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 concentrates and also fluorine-free foam concentrates
- wet and dry compressed air foam

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### Technical data

<b>Fill quantity</b>	approx. 100 l
<b>Dimensions <sup>1</sup></b>	W x D x H = approx. 1.624 x 510 x 643 mm
<b>Weight <sup>1</sup></b>	<ul style="list-style-type: none"><li>filled = approx. 223 kg</li><li>unfilled = approx. 123 kg</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 lpm at 9 bar (wet compressed air foam)</li><li>approx. 31 lpm at 9 bar (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
<b>Throw range / Throw height <sup>3</sup></b>	approx. 16 m / 10 m
<b>Hose</b>	<ul style="list-style-type: none"><li>manual hose reel with hand crank and special textile hose DN 19 x 40 m</li><li>automatic hose reel with spring return and special textile hose DN 19 x 40 m</li><li>electric Rosenbauer hose reel with special textile hose DN 19 x 80 m</li></ul>
<b>Nozzle</b>	<ul style="list-style-type: none"><li>nozzle with fixed full jet</li><li>fog nozzle SELECT FLOW RB 99 EN</li></ul>
<b>Design</b>	<ul style="list-style-type: none"><li>compact design</li><li>vehicle mounting</li></ul>
<b>Foam concentrate <sup>4</sup></b>	<ul style="list-style-type: none"><li>STHAMEX<sup>®</sup>-Performance 1% F-10</li><li>vaPUREx<sup>®</sup> LV 1% F-10</li></ul>
<b>Operating temperature</b>	+ 5 °C to + 50 °C

<sup>1</sup> complete and operative fire extinguisher with manual hose reel and nozzle with fixed full jet

<sup>2</sup> expansion ratio depends on foam concentrate 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 concentrates (use of other foam concentrates is possible)

### Contact

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