

RFC POLY Skid (75 liter)

Fire extinguishing system for universal use



Picture shows a RFC POLY Skid (100 liters)

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

| | |
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| Fill quantity | approx. 75 l |
| Dimensions ¹ | W x D x H = approx. 1.414 x 510 x 662 mm |
| Weight ¹ | <ul style="list-style-type: none">filled = approx. 188 kgunfilled = approx. 113 kg |
| Foam proportioning | generation of a premix solution with 0,5 % or 1 % foam concentrate when the compressed air bottle is activated |
| Foam quality ² | <ul style="list-style-type: none">wet compressed air foamdry compressed air foam |
| Flow rate | <ul style="list-style-type: none">approx. 38 lpm at 9 bar (wet compressed air foam)approx. 31 lpm at 9 bar (dry compressed air foam) |
| Working duration | <ul style="list-style-type: none">approx. 119 s (wet compressed air foam)approx. 146 s (dry compressed air foam) |
| Compressed air bottle | 6 l / 300 bar |
| Throw range / Throw height ³ | approx. 16 m / 10 m |
| Hose | <ul style="list-style-type: none">manual hose reel with hand crank and special textile hose DN 19 x 40 mautomatic hose reel with spring return and special textile hose DN 19 x 40 melectric Rosenbauer hose reel with special textile hose DN 19 x 80 m |
| Nozzle | <ul style="list-style-type: none">nozzle with fixed full jetfog nozzle SELECT FLOW RB 99 EN |
| Design | <ul style="list-style-type: none">compact designvehicle mounting |
| Foam concentrate ⁴ | <ul style="list-style-type: none">STHAMEX[®]-Performance 1% F-10vaPUREx[®] LV 1% F-10 |
| Operating temperature | + 5 °C to + 50 °C |

¹ complete and operative fire extinguisher with manual hose reel and nozzle with fixed full jet

² expansion ratio depends on foam concentrate used

³ throw range and throw height are almost identical for wet and dry compressed air foam

⁴ fire tests were performed with these foam concentrates (use of other foam concentrates is possible)

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