



FOX

Portable Pump

Complies with EN14466 for
PFPN 10 -1000
PFPN 10 -1500
PFPN 15 -1000

rosenbauer

Premium portable pump.

With excellent performance, low weight, and unique ease of operation.

The quality of a portable pump depends on the following critical factors: PERFORMANCE - WEIGHT - EASY OPERATING - RELIABILITY. The third generation of FOX pumps adds a new dimension to all of these points.



The lightest portable pump PFPN 10 - 1.500 with a four-stroke engine

A portable pump has to be carried the last few meters to the water source. The amazingly light weight of only 167 kg (tanks full) for a pump with this power really helps facilitate fire fighting operations. Additionally, the four fold-out handles, and the low point of gravity, make for unrivalled handling even on the most difficult terrain.



FOX portable pump with swinging out carrying handles

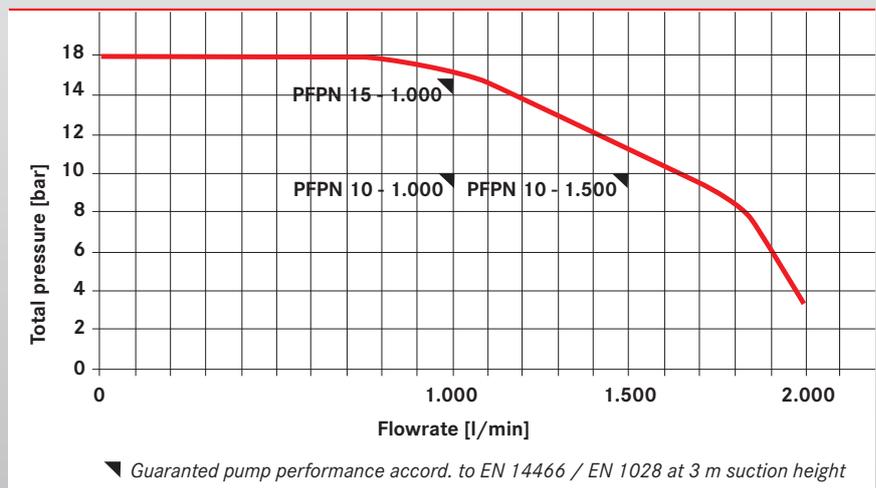
Excellent performance 1.600 l/min at 10 bar

The FOX is one of the most powerful portable pump in its class with an output of 1.600 l/min at 10 bar and 1.000 l/min at 15 bar.

The FOX thus easily meets the requirements of European Norm EN 14466 for portable pumps of type:

- PFPN 10 - 1.000
(1.000 l/min at 10 bar)
- PFPN 10 - 1.500
(1.500 l/min at 10 bar)
- PFPN 15 - 1.000
(1.000 l/min at 15 bar)

Performance curve



■ Unique control comfort.

Simple Operations

Press START – engage the pump – deliver water. Using a portable pump couldn't be easier.

The backgroundilluminated buttons on the neatly laid-out operating panel are not only an optical highlight, but allow trouble-free operations in the dark – the detachable search light can be used to illuminate the scene.

The BMW engine's electronic motor control ensures reliable push-button starting, and the fully-automatic piston priming pump is capable of lifting water over a considerable rise within a very short time.

Operating panel with pressure governor



Operating panel in the operation with flares, number of revolutions and operation hour display



The pump can optionally be controlled via an optional pump pressure governor. The pressure governor automatically keeps the preset pump pressure constant independently of the volume flow of water. Mechanical thermal protection and a cavitation alarm ensure trouble-free operations in any kind of task.



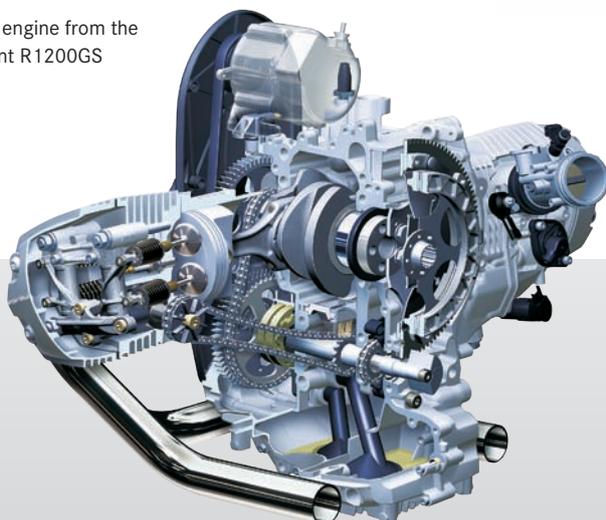
■ Maximum Operating Safety.

The latest generation FOX is powered by a BMW 2 cylinder flat piston engine. Sophisticated engine controls ensure safe operations in any scenario: freezing cold, tropical heat, or even at great heights. Fan-driven air cooling prevents the engine from overheating, even if no water is being pumped, and additional oil cooling for the cylinder heads allows continuous full load operations over longer periods of time. The technology which has proved itself in BMW's state-of-the-art motorcycles now guarantees maximum reliability in tough fire fighting scenarios.



Sectional view of the FOX

BMW engine from the current R1200GS



Safe and fast suction

The fully automatic piston priming pump not only gives you convincing performance but also shines thanks to its robust design. Not even heavily contaminated water or hour-long free discharge - or relay operations can hold it back. The belt drive automatically disengages when the pump is primed. In free discharge operations, such as pumping flooded cellars dry, the priming pump can be disengaged manually.

Pump with highest efficiency

The three dimensional cambered impeller in the light metal spiral housing converts the mechanical power developed by the engine into hydraulic power at the single-stage centrifugal pump with an efficiency of over 70 %. A stainless steel pump shaft, the lubrication and maintenance free mechanical shaft seal, the tension ring design of the pump and, last but not least, the easy accessibility of the engine and pump make the FOX really easy to maintain.

The location of the fuel tank underneath the engine, and the safety cap on the filler neck, allow trouble-free filling of the FOX while the engine is running. This was confirmed by the TÜV.



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Technical Specifications

Engine	<ul style="list-style-type: none"> ▪ BMW 2 cylinder four-stroke flat piston engine ▪ 1.170 ccm³ capacity ▪ power output 50 kW at 4.500 min⁻¹ ▪ Air cooling by engine mounted cooling fan ▪ Electronically controlled fuel injection ▪ 20 l fuel tank, four star petrol 95 ROZ ▪ Electric starter (option: manual pull starter)
Pump	<p>Single-stage light metal centrifugal pump Three dimensional cambered impeller and cambered diffuser in spiral casing with manometer on suction and pressure sides, Pump can be disengaged manually Max. performance with 3 m suction height:</p> <ul style="list-style-type: none"> ▪ 1.000 l/min at 15 bar ▪ 1.600 l/min at 10 bar ▪ 2.000 l/min at free discharge operation <p>Connections suction side: 1 x external thread G 4 1/2" with suction strainer Connections pressure side: 2 x external thread G 2 1/2" with screw-type shut off valve</p>
Suction pump	<p>Automatically controlled double action piston pump with manual cut-off Priming time for suction height of 3 m approx. 5 sec, for 7.5 m approx. 20 sec</p>
Casing	<p>Casing with floodlight, operating panel with revmeter, operation hour counter, and control LEDs for battery charge status, oil pressure, fuel reserves, engine malfunction and cavitation (option)</p>
Carrying frame	<p>Aluminum frame with four pivoted handles</p>
Dimensions	<p>L x B x H approx. 945 x 740 x 840 mm</p>
Weight	<p>Dry 150 kg, ready for operation approx. 167 kg (tanks full)</p>

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