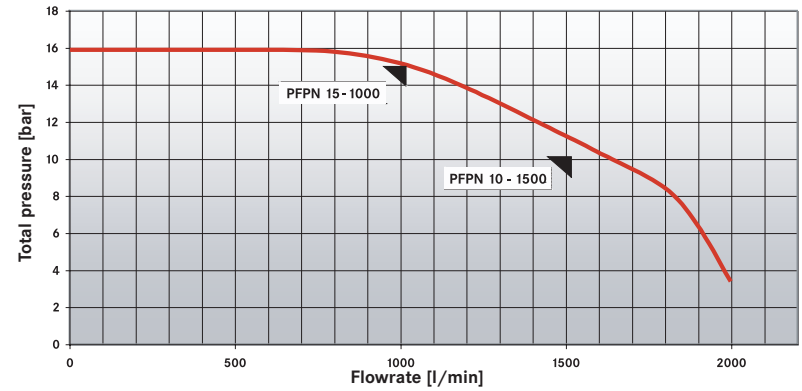
FOX
PORTABLE PUMP

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

Premium portable pump with excellent performance,

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.



Guaranted pump performance accord. to EN 14466 / EN 1028 at 3 m suction height

Excellent performance 1600 l/min at 10 bar:
The FOX is the most powerful portable pump in its class with an output of 1600 l/min at 10 bar and 1000 l/min at 15 bar. The FOX thus easily meets the requirements of European Norm EN 14466 for portable pumps of type:
PFPN 10 – 1000 (1000 l/min at 10 bar)
PFPN 10 – 1500 (1500 l/min at 10 bar)
PFPN 15 – 1000 (1000 l/min at 15 bar)

The lightest portable pump PFPN 10 – 1500 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.

low weight, and unique ease of operation

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.

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.

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.

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.

110329_M&K/MeK_06_05

Technical Specifications

Engine	BMW 2 cylinder four-stroke flat piston engine, 1170 ccm capacity, power output 50 kW at 4500 min-1, Air cooling by engine mounted cooling fan, Electronically controlled fuel injection, 20 l fuel tank, four star petrol 95 ROZ, Electric starter and manual pull starter (optional)
Pump	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: • 1000 l/min at 15 bar • 1600 l/min at 10 bar • 2000 l/min at 3 bar 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
Suction pump	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
Casing	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)
Carrying frame	Aluminum frame with four pivoted handles
Dimensions	L x B x H approx. 945 x 740 x 840 mm
Weight	Dry 150 kg, ready for operation approx. 167 kg (tanks full)

ROSENBAUER INTERNATIONAL Aktiengesellschaft
A-4060 Leonding, Paschinger Str. 90, AUSTRIA

Phone: +43 (0)70 6794-0
Fax: +43 (0)70 6794-91
E-Mail: office@rosenbauer.com
http://www.rosenbauer.com

Text and figures provided for information only and without responsibility.
Figures can display options available at a surcharge. Subject to technical enhancements.