



ULTRA POWER 4

PFPN 10-1000/10-1500

Portable pump with 3-cylinder, 4 stroke aluminium VW engine with electronic gasoline injection, designed as PFPN 10-1000 and 10-1500, tested according to DIN EN 14466.



EASY TO USE AND STRONG IN PERFORMANCE



1. Overview in use

The control panel is ergonomically built and allows the operator an immediate overall overview

2. Automatic centrifugal clutch

Independent power transmission from the motor via the automatic centrifugal clutch

3. Light metal frame

Extremely stable light metal frame with four hinged or rotatable handles with rubberized cold hand protection

4. Tourmat D

The ZIEGLER-Tourmat D regulates automatically the pump pressure. The operator is relieved and the pressure is kept constant when the water is changed

5. External dimensions

L x W x H: 1.039 x 720 x 846 mm
Weight: approx. 188 kg (ready for operation)

6. Trokomat Plus

The Trokomat Plus vents the pump fully automatically with its few components. The machinist just has to give gas. The rest is done by the ZIEGLER-UP 4 independently

7. LED-spotlight

with 1500 lumen

8. Bracket

for ABC coupling wrench acc. to DIN 14822-2

9. Excess temperature valve

At longer operation without water delivery (closing pressure operation) fully automatic delivery of water at approx. 60°C, new cool water can flow

10. Underbody lighting

2 Resolux 199 LED-lights are mounted at the frame of the portable pump

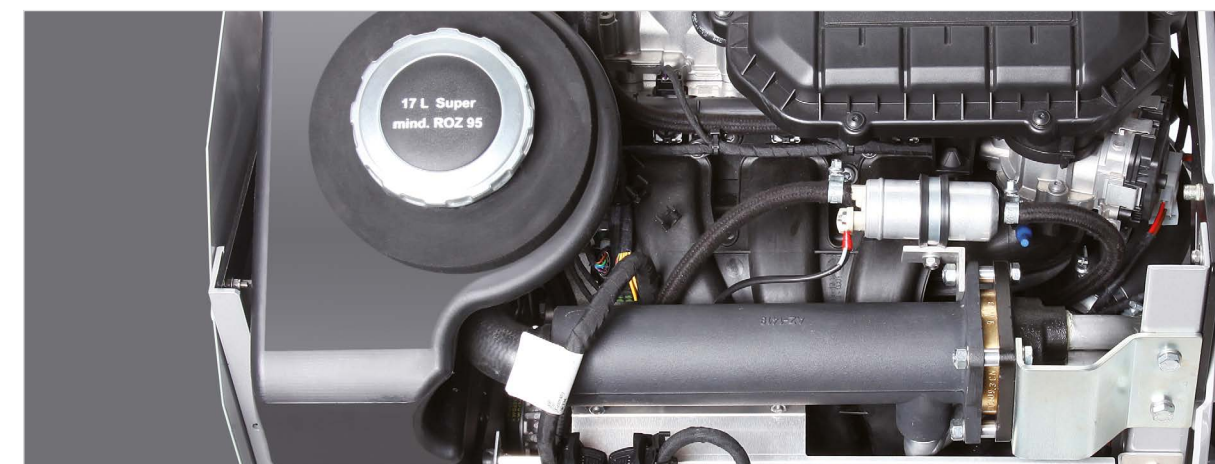
Z-Control



EASY TO USE WITH AN ERGONOMIC MULTIFUNCTIONAL DISPLAY:

All operating and control elements are functionally integrated into the cladding. All elements are ergonomic as well as suitable for wearing gloves and can be operated by the lateral mounting also in the vehicle:

- Pressure gauge and mano-vacuummeter
- Start button
- Electronic speed adjustment
- Control panel with bright LED illumination
- Graphic fuel indicator light for priming speed restriction
- Tachometer
- Indicator light for priming speed restriction
- Operating-hours counter
- Warning and indicator lights for the cooling water, oil pressure and charge control



PERFORMANCE DATA VW ENGINE:

- 3-cylinder 4-stroke-aluminium engine with electronic gasoline injection
- Performance 50 kW at 5400 rpm.
- 999 ccm³ engine displacement
- Cooling through closed cooling water circuit with heat exchanger and additional cooler.
- Electronical 2-step speed restriction for priming and max. speed (regulated via the fuel injection system),

contactless battery ignition, maintenance-free valve operation using roller levels.

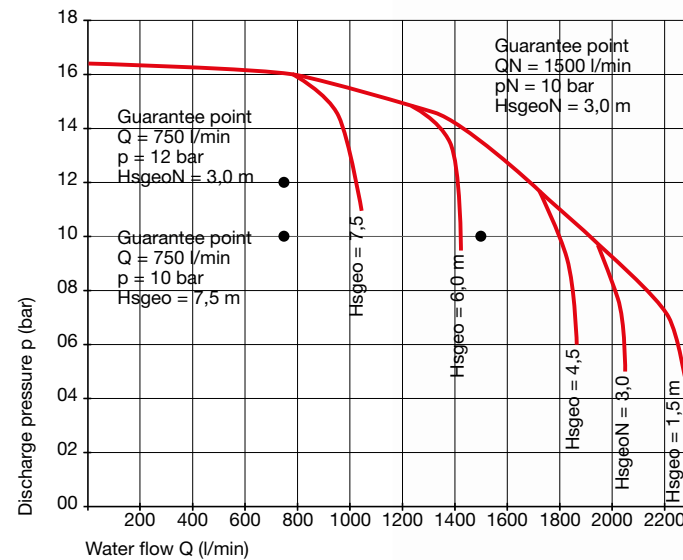
- Starter system: electrical start with one-person emergency start mechanism using cable pull starter (optional)
- 17-l-fuel tank for unleaded premium gasoline (RON 95) or regular gasoline (RON 91)
- Motor control using knock sensor
- Fuel pump with fill level sensor integrated in the tank.

COMPACT AND GREAT.

POWERFUL PERFORMANCE, ROBUST & RELIABLE GERMAN QUALITY.

By the automatic coupling of the UP4 by the centrifugal clutch activation and the automatic speed limit during suction operation and modern engine technology (VW-engine) the UP4 works very environmentally friendly, low vibration, quiet operation. The integrated VW-engine and the ZIEGLER service team ensure a worldwide and

nationwide maintenance network. The ergonomic and user-friendly control panel provides ease of operation. All operating and control instruments are clearly arranged in a user friendly and logical position. Due to the high performance of the UP4, large height differences and long distance routes without additional pumps are possible.



Pump capacity at 3 m geod. suction:

- 1,900 l/min at 10 bar
- 2,000 l/min at 8 bar

Pump capacity at 1,5 m geod. suction:

- 2,250 l/min at 4 bar

Pump capacity at 7,5 m geod. suction:

- 1,050 l/min at 8 bar

Pump capacity as bilge pump at 3 m geodesic suctionlift:

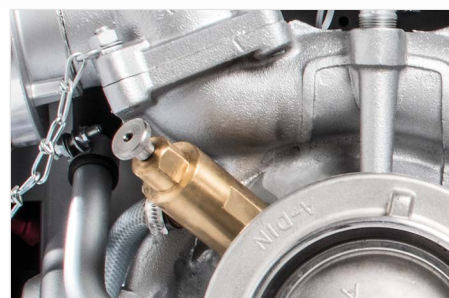
- > 2,000 l/min

ULTRA POWER 4



NON-STOP-OPERATION

Uninterrupted operation due to external refueling capability.



EXCESS TEMPERATURE VALVE

At longer operation without water water delivery (closing pressure operation) fully automatic delivery of water at approx. 60°C, new cool water can flow.



TROKOMAT PLUS

The patented ZIEGLER automatic priming system.



WORLDWIDE MAINTENANCE

thanks to the built-in VW engine, together with our service network.



ACCESSORY PARTS



■ **CONTAINER FOR THE RECOIL STARTER**
213008
 Container for the safe storage of the recoil starter.



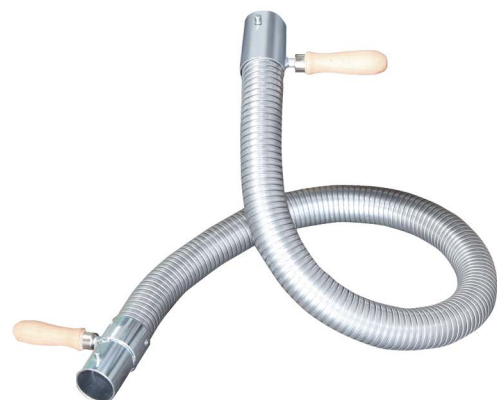
■ **RECOIL STARTER, MANUAL EMERGENCY START DEVICE**
210737
 A backup system in case the battery becomes discharged.



■ **TRANSPORT UNIT PFPN 10-1000/10-1500**
020061
 Fast, easy installation. Can be moved by a single person.



■ **PROTECTIVE STRAINER FOR THE TANK FILL POINTS**
733845
 The protective strainer prevents foreign material from entering the fuel tank.



■ **EXHAUST EXTENSION HOSE**
083221 1,5 m
083222 2,5 m
 For removal of exhaust gases.



■ **TOOL KIT**
064056
 All necessary tools for the operator are included in a high quality box.

ULTRA POWER 4



■ **VEHICLE INSTALLATION KIT, FOR SELF-INSTALLATION TYPE MAGCODE**
1147630 VEHICLE INSTALLATION KIT, 12 V
1147627 VEHICLE INSTALLATION KIT, 24 V
 To maintain a full charge and monitor the battery the connection is made using a MagCode outlet.



■ **MAGCODE ELECTRICAL OUTLET**
1116923
 Magnetically coupling outlet for charge maintenance of the portable pump.



■ **VEHICLE INSTALLATION KIT, FOR SELF-INSTALLATION TYPE BEOS**
1047145 VEHICLE INSTALLATION KIT, 12 V
1047146 VEHICLE INSTALLATION KIT, 24 V
 To maintain a full charge and monitor the battery the connection is made using a BEOS outlet.



■ **BEOS ELECTRICAL OUTLET**
1146206
 Three-pole screw-type outlet for charge maintenance of the UP4 for the BEOS-vehicle installation kit.



■ **CHARGE RETENTION INSTALLATION KIT**
230 V, INTEGRATED
1119290
 To maintain a full charge and monitor the battery the cable is connected to a 230 V electrical outlet.



■ **NATO EMERGENCY START OUTLET**
1118517
 For jump-starting the portable pump when the battery is discharged.



■ **FIRECAN ELECTRICAL OUTLET**
1118987
 Interface between UP4 and external components that support this system. Can be used instead of MagCode or BEOS system.



GOOD REASONS TO CHOOSE ULTRA POWER 4:

- 1,900 liters per minute at 10 bar
- LED spotlight with 1500 lumen
- Excess temperature valve: At longer operation without water delivery (closing pressure operation) fully automatic delivery of water at approx. 60 °C, new cool water can flow
- Bracket – for ABC coupling wrench acc. to DIN 14822-2
- Underbody lighting: 2 Resolux 199 LED lights are mounted at the frame of the portable pump
- Worldwide VW repair / workshop network



Albert Ziegler GmbH, Memminger Straße 28, 89537 Giengen/Brenz
E-Mail ziegler@ziegler.de, Phone +49 7322 951-0, Fax +49 7322 951-211,
www.ziegler.de