

WERNER



WERNER EARL 600-40/530



Established
88

ALL DETAILS AT A GLANCE

Compact. Robust.
Extreme Pressure Performance.

The Werner Earl 600–40/530 Trailer Unit delivers exceptional ultra-high-pressure jetting performance in a compact, road-legal design. Purpose-built for industrial, municipal, and construction cleaning, this unit provides 530 bar working pressure with a flow rate of 40 L/min, making it one of the most versatile high-pressure systems in its class. Fully designed and manufactured in South Africa, the Earl 600–40/530 combines portability, strength, and reliability — a professional-grade cleaning solution for demanding operations.

Every feature of the Werner Earl 600–40/530 is engineered for performance and convenience:

- Heavy-Duty Service Water Tank – horizontal, impact-resistant polyurethane design.
 - Heavy-Duty Filter Assembly – protects the high-pressure pump from contaminants.
 - Water-Level Sight Hose – quick visual water-level inspection.
 - Lockable Toolboxes – secure storage for accessories and PPE.
 - Side-Mounted Control Panel – ergonomic operator interface for safe handling.
- Compact design. Full-scale performance.





TECHNICAL SPECIFICATIONS AND EQUIPMENT

4- Cylinder Trailer (see Fig. 1 and 2)

Tank Volume (L): ± 600

Payload (Kg): ± 600

Dimensions (L x B x H): 4093 x 2005 x 1977 mm

Trailer

- High-speed, road-legal trailer (E-Natis registered)
- Overrun and park brakes
- Retractable heavy-duty jockey wheel and stabiliser legs
- Ball-type coupling
- Built in compliance with South African road ordinances, ensuring mobility, stability, and operator safety in transport and field operation.

High Pressure System

- Werner piston-plunger high-pressure pump, designed for continuous-duty performance.
- Flow rate: 40 L/min @ 530 bar @ 1 000 rpm.
- Pump speed range: 200 – 1 000 rpm.
- Pressure range: Adjustable 0 – 530 bar (max 53 000 kPa).
- Pump capacity: Min 5 000 kPa (50 bar) / Max 53 000 kPa (530 bar).
- Pressure regulation: Manual control with by-pass valve.
- Delivers consistent, powerful water jetting for surface cleaning, pipe descaling, and industrial maintenance.

Tank

- Horizontal polyurethane water tank 600 L – lightweight and corrosion-resistant .
- Inline filtration system:
 - 2-inch filter housing with 360-micron (50-mesh) insert.
 - Dual 10-bar gauges for monitoring filter cleanliness.
- Inspection ports for cleaning and maintenance access.

Engine

- 4 Cylinder air cooled diesel engine 45 kW
- Operating speed: 1 000 – 2 300 rpm.
- Electric key start
- Integrated fuel tank for extended runtime.
- Oil pressure and battery indicators.
- Automatic engine safety shutdown for high temperature or low oil.
- Pulley drive with protective guard – smooth, vibration-free operation.

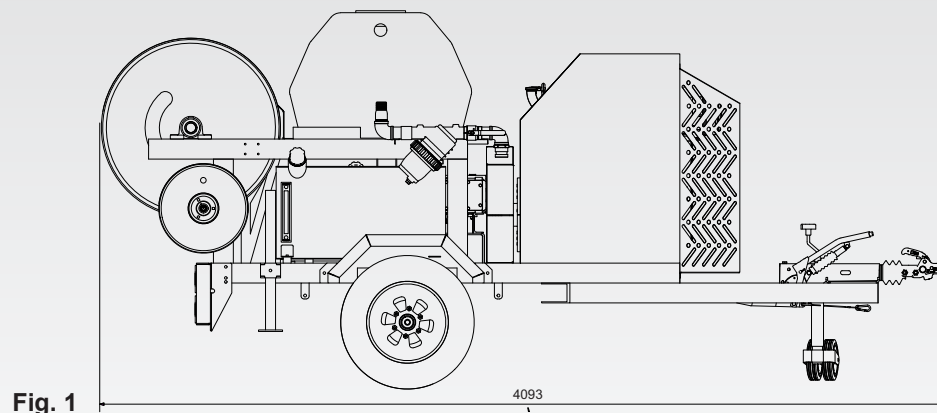


Fig. 1

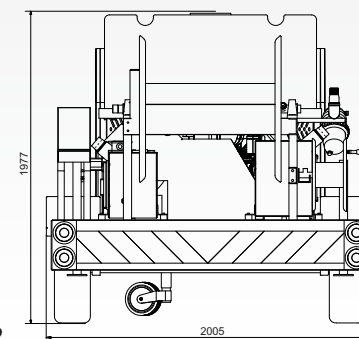
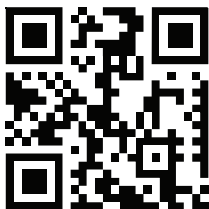


Fig. 2





TECHNICAL SPECIFICATIONS AND EQUIPMENT

Control System

- Operator station mounted at rear left beside main hose reel.
- Main Controls:
 - 1000-bar glycerine-filled pressure gauge (80 mm dial) (pump mounted).
 - Engine speed control cable.
 - Emergency stop button.
- Manual directional control valve for hose-reel operation.
- Clear, weather-resistant labelling for user safety.

Safety Features

- 1000-bar glycerine-filled safety pressure gauge for continuous monitoring.
- Automatic thermal and oil safety cut-out.
- Pressure relief valves on all high-pressure circuits.
- Lockable engine enclosure for protection and noise reduction.
- Reflective markings and rear beacons for visibility and compliance.

Pressure Regulator

- Manual adjustment from 0 – 600 bar.
- Secondary hand valve for precision by-pass control.
- Pressure relief system ensures operator safety under all conditions.

Manual Hose Reel (Storage Reel)

- Main Hose Reel: Heavy-duty, 120 m × 25 mm ID capacity (manual directional control).
- Jetting Hoses:
 - Standard: 10 m × ½-inch rubber hose.
 - Optional: 20 m or 30 m lengths available.
- Auxiliary Hose Reel: Small side-mounted reel (if required)

Nozzles

- Pipe-cleaning “Bullet” nozzles (various sizes).
- Spinning nozzles for rotational cleaning.
- Gun nozzles – fan, straight, and rotary types for different cleaning applications.
- All nozzles are ENZ-compatible and precision-machined for Werner Pumps’ systems.

Optional Extras

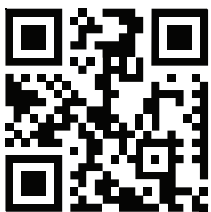
- Extended hose sets (up to 30 m × ½-inch).
- Additional toolboxes or PPE storage.
- LED lighting package for night operations.
- Custom paintwork or client branding.

Applications

- Surface cleaning, boiler tube cleaning and pipe cleaning.
- Construction-site cleaning and pipe maintenance.
- Industrial degreasing and surface preparation.
- Tank, culvert, and line cleaning.
- Pressure-washing of heavy equipment.

Advantages

- Compact, portable, and road-ready.
- High-pressure performance up to 530 bar.
- Simple manual operation with low maintenance.
- Locally built with full parts and service support.
- Engineered for African field conditions.



EQUIPMENT & ACCESSORIES

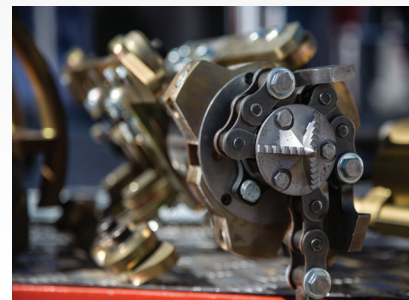
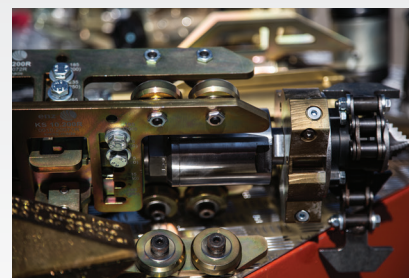
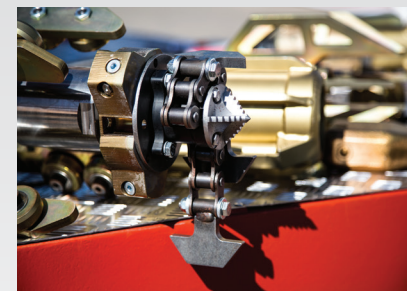
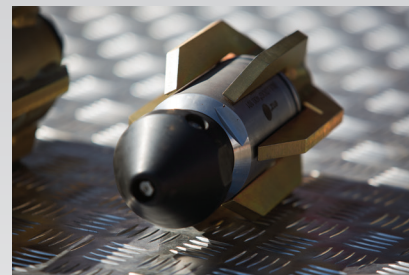
Nozzles & Hoses

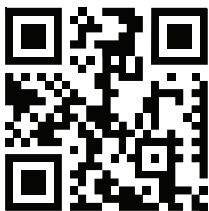
Werner Pumps supplies a full range of high-performance accessories designed to complement the Earl 4 Cylinder 530 bar Trailer Unit and enhance overall efficiency.

Product Range Includes:

- ENZ Swiss-engineered jetting nozzles for precision cleaning
- Rotary and fixed nozzles for varying pipe diameters
- Specialised cutter and root removal heads
- Vacuum hoses, suction lines, and discharge couplings
- High-pressure hoses with reinforced protection layers
- Quick-release couplings and fittings

All accessories are rigorously tested for durability, safety, and compatibility with Werner high-pressure systems.





Get in touch

For professional high-pressure jetting equipment,
contact Werner South Africa Pumps & Equipment (Pty) Ltd —
your trusted local manufacturer.



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