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Werner Rapid Response Vehicle



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All details at a glance

Compact Power • Mobility • Precision

The Werner Rapid Response Vehicle combines compact design with full-scale jetting and vacuum performance — purpose-built for quick deployment, confined-area access, and versatile cleaning applications.
Designed and manufactured in South Africa, this powerful unit delivers the same high-pressure jetting and suction capability as larger systems, all within a lightweight, mobile chassis.
Agile. Efficient. Robust.
Proudly 100 % South African Built.



Fits in Confined Spaces

Built for urban, industrial, and underground applications, the Werner Rapid Response Vehicle can easily access tight or restricted areas such as basements, malls, parking structures, and narrow urban lanes.
Features at a Glance:

- Compact design for effortless mobility
- Robust and versatile construction for reliable field use
- Ideal for rapid deployment during emergency response or maintenance operations
- Powerful vacuum and jetting systems engineered to match larger truck-mounted units

This unit offers exceptional flexibility without compromising performance — your ideal mobile cleaning and maintenance solution.





Technical Specifications and Equipment

Vehicle Configuration

- Model: Ford Ranger 4×4 or Toyota Hilux 4 x 4
- Tank Volume:
  - Sludge Tank – ± 800 L
  - Water Tank – ± 400 L (Dual Compartment)
- Payload: ± 700 kg
- Dimensions (GVW): 3.2 T
- Wheelbase: 3.220 m
- Height: 1.80 m
- Engine: 160 HP, 2.2 L TDi Diesel (4-cylinder)

Fixed Partition Aluminium Tank

- Dual-compartment aluminium tank with fixed partition
- Sludge tank positioned at the rear for optimal balance
- 150 mm manhole for draining and cleaning
- 1.3” DN ball valve at top level for air relief
- 1.3” DN drain valve connected to 150 DN coupling for discharge
- Durable, corrosion-resistant, and lightweight — built for long service life.

Drive and Hydraulic Equipment

- HP, vacuum, and hydraulic pumps are driven by the vehicle’s engine through a full-power (SSU) Split Shaft Unit
- Efficient power utilisation for maximum performance without added auxiliary engines

Vacuum System

- Vane pump for suction and discharge
  - Flow rate: 198–320 m³/h
- Pressure relief valve set at 0.5 bar
- External safety ball with removable tank protection
- Noise damper and oil filter system
- Removable screen filter for easy maintenance
- Built-in safety interlocks for secure operation

High Pressure System

- Flow rate: 40–90 L/min
- Pressure range: 150–320 bar
- Automatic high-pressure safety control
- Suitable for drain, sewer, and general cleaning operations

Reels

- High-Pressure Reel:
  - Rear-mounted, right-hand side
  - Hose capacity: 100 m
  - Hydraulic drive via 3-position selector valve
  - Variable-speed drive: 0–20 rpm
  - Functions: wind-in, wind-out, neutral
- Low-Pressure Reel:
  - Manual operation
  - Includes 25 m × 19 DN hose

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Control System

- Rear-mounted waterproof control box
- Hour meters for HP pump, vacuum, and engine runtime
- Emergency stop button for operator safety
- Wireless remote control for convenient off-vehicle operation

Storage

- 2 side-mounted aluminium pipe holders with secure clamps
- 2 lockable tool compartments for equipment and PPE
- Dedicated muck bin for contaminated fittings
- Compact design ensures everything is stored neatly and safely for rapid deployment.

Equipment and Accessories

- 60 m high-pressure hose
- 3 × 4 m suction hoses
- 2 nozzles (standard jetting set)
- Work light and ladder support
- 2 rotating beacon lights for visibility
- Compact in size yet complete in capability — the Rapid Response Vehicle is ready to tackle emergencies or daily cleaning operations with speed and efficiency.

Optional

- Custom high-pressure pump configurations (flow and pressure tailored per client need)
- Pivoting HP hose reel (90° rotation for ease of use)
- Vacuum pump upgrade – Wittig SLS54 or Jurop type
- Personalised paintwork – RAL colour options available
- Electric AK5 Triangle Lift System for easier hose handling
- Reversing camera system for safety in confined spaces
- Fully opening rear door for tank maintenance and cleaning
- Werner Pumps can configure every Rapid Response Vehicle to meet specific municipal, industrial, or emergency-response applications.



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EQUIPMENT & ACCESSORIES

Nozzles & Hoses

Werner Pumps supplies a full range of high-performance accessories designed to complement the Rapid Response Vehicle and enhance overall efficiency.

Product Range Includes:

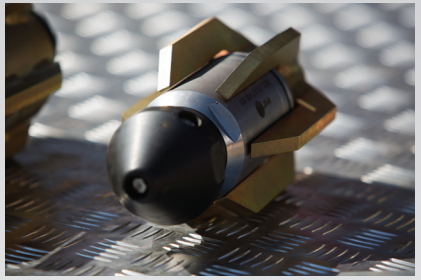
- ENZ Swiss-engineered jetting nozzles for precision cleaning
- Rotary and fixed nozzles for varying pipe diameters
- Specialised cutter and root removal heads
- Vacuum hoses, suction lines, and discharge couplings
- High-pressure hoses with reinforced protection layers
- Quick-release couplings and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

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





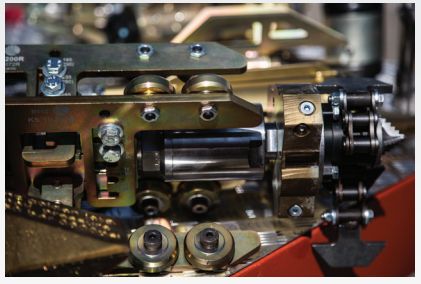




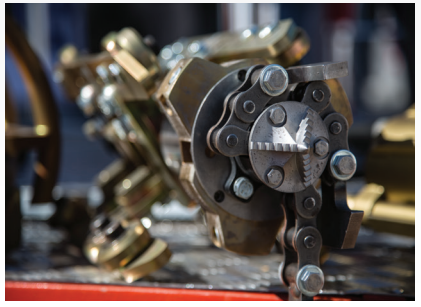














Get in touch

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For premium-quality Rapid-Response jetting and vacuum systems, contact Werner South Africa Pumps & Equipment (Pty) Ltd today. Experience exceptional performance, unmatched service, and true South African engineering excellence.

SHEQ NATIONAL CERT
Certified: ISO 9001 · ISO 14001

100% SA BUILT

Managing Director:

WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

Sebastian Werner

4-6 Edison Road, New Era,
Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: sebastian@wernerpumps.com
Website: www.wernerpumps.com

Managing Director

Sales Manager:

WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

George Jolly

4-6 Edison Road, New Era,
Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Cell: +27 (0) 79 898 6942
Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: george@wernerpumps.com
Website: www.wernerpumps.com

Sales Manager

Service Manager:

WERNER SOUTH AFRICA PUMPS & EQUIPMENT (PTY) LTD

Wouter Swanepoel

4-6 Edison Road, New Era,
Springs
Republic of South Africa
P.O. Box 11052
Selcourt, Springs, 1567

Cell: +27 (0) 82 556 8021
Tel: +27 (0) 11 362 6280
Fax: +27 (0) 11 362 6797
E-mail: wouter@wernerpumps.com
Website: www.wernerpumps.com

Service Manager