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Indlovu Vacuum



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ALL DETAILS AT A GLANCE

Strength • Reliability • Performance

Engineered for Africa's toughest environments, the Werner Indlovu Vacuum Unit combines uncompromising power, precision engineering, and operator safety.
Purpose-built for industrial waste management, sewer cleaning, and environmental recovery, this heavy-duty unit delivers superior vacuum performance, low maintenance, and long service life.
Powerful. Dependable.
100 % South African Built.

Every detail of the Indlovu Vacuum Unit has been designed for ease of use, operational efficiency, and long-term reliability.
Highlighted Components:

- Dual Vacuum Cyclone System — maximum suction performance with reduced debris carryover
- Lockable Toolbox with Built-In Control Panel — weather-sealed controls for safety and accessibility
- Sludge-Level Indicator — provides real-time tank-level feedback
- Scrubber Box — prevents contamination and pump damage
- 100 mm Vice — mounted for eld maintenance convenience

Built with operator comfort, safety, and productivity in mind, the Indlovu Vacuum Unit stands as a benchmark for quality and durability.

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All details at a glance







Robust & Reliable









Technical Specifications and Equipment

3-Axle Truck (see FIG. 1 & 2)

Tank Volume (L): ± 12,500 L

Payload (Kg): ± 12,500 kg

Dimensions (L x B x H): 9499 x 2664 x 3537 mm

Truck Chassis

- Fast-reacting E-Stops for emergency shutdown
- Manual safety lock secures door during maintenance
- Automatic PTO and gearbox lockout while driving
- Pneumatic isolation valve to prevent road spillage
- Homologated for South African road use
- Comprehensive safety decals and component labelling
- Operator training included with each unit
- Safety and operational simplicity are built into every Indlovu — keeping your team secure while maximising uptime.

Tank Superstructure

- Vacuum Tank: 12,500 L, fabricated from 316 stainless steel, 6 mm thickness for superior corrosion resistance
- Service-Liquid Tank: 2 500 L, mild steel with anti-corrosive internal coating
- Hydraulic tipping system (up to 50°) with burst-valve protection
- Full-opening hydraulic rear door with adjustable hinges and locking clamps
- Heavy-duty EPDM seal for long-lasting pressure and vacuum integrity
- Hydraulic and mechanical safety locks prevent accidental opening during travel or cleaning
- Knock-out boxes for easy inspection and material removal

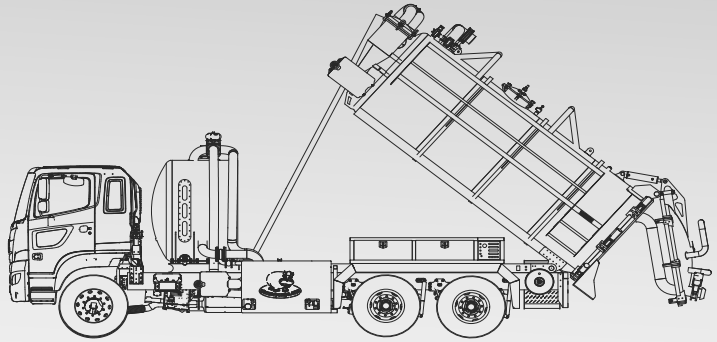


FIG. 1

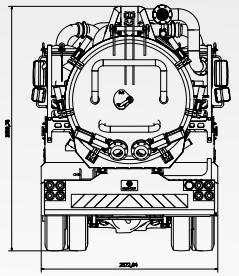


FIG. 2

- 304 stainless-steel dual cyclone filtration system with internal filters and removable lid
- Pneumatic knife gate valves at rear for suction and discharge (Perrot couplings)
- Swing-ball level indicators for full/empty readings
- Flared spillage chutes minimise discharge spillage
- Vibrator mounted under the tank to help with movement of stubborn waste

Technical Specifications and Equipment

Vacuum System

- Werner Liquid-Ring Vacuum Pump
  - Suction capacity: 3 100 m³/h
  - Continuous vacuum: 0.85 bar
- Adjustable cell aeration system with silencer and check valve
- Side-mounted layout for optimal balance and centre of gravity
- Screened scrubber box protects pump from debris and carryover
- Dual stainless-steel cyclone filtration system for superior separation
- Knock-out chambers for easy cleaning and inspection
- Pneumatic isolation valve to prevent road spillage

Drive Option 1 - Belt Driven

- Auto-tensioning timing belt and pulley system for pump protection
- Bolt-on guard and inspection louvers for easy maintenance

Drive Option 2 - Hydraulic Driven

- Hydraulic pump and motor drive
- Quick-access bolt-on safety guards
- Efficient airflow ventilation via inspection louvres
- Each configuration is engineered for long service life, low maintenance, and simple servicing.

High Pressure System

- Driven via dual split-shaft gearbox
- Heavy-duty double cyclone filtration with discharge boxes for debris removal
- Suitable for integration with high-pressure jetting pump (optional auxiliary cleaning system)

Filtration

- Heavy-duty 304 stainless-steel dual cyclone filtration unit
- Removable filter inserts and lids for easy maintenance
- Perrot exhaust coupling for vapour extraction
- Polycarbonate level sight glass in reinforced steel casing
- 500 mm manhole with heavy-duty seal and fastening ring
- 50 mm camlock filling port and 75 mm rear drain valve
- Flanged pipe connections for maintenance access

Pump Drive

- Dual output split-shaft gearbox
- 130 kW single-output drive
- Output ratio: 1:1.26
- Torque output: 1 200 Nm
- Drive-through torque: 25 kN (35 kN intermittent)
- Hot-shift pneumatic clutch for emergency stops
- In-cab pneumatic control with lockout safety
- Emergency stop buttons on both sides of truck

Technical Specifications and Equipment

Hydraulic System

- Low-volume (30 L/min) circuit with 70 L hydraulic tank/ 300 L hydraulic version
- Push-button control for safe door operation
- Automatic pneumatic lockout prevents unintended movements
- PTO drive lockout ensures safe operation during transit

Control System

- Control panel in lockable toolbox
- Fast reacting E-stop for vacuum pump / stop

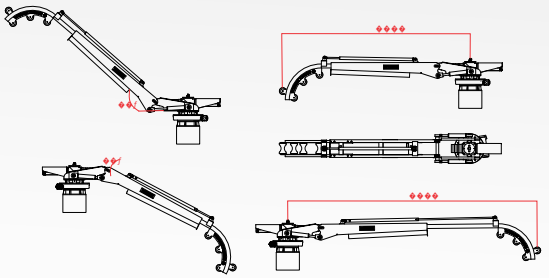
Accessories and Auxiliaries

- Twin revolving strobes
- Steel mudguards and under-run bumper with chevrons and lighting
- Two lockable toolboxes for PPE and fittings
- Muck box for dirty equipment storage
- 10 m static earth cable on retractable reel
- Hydraulic-driven 13 L/min, 120 bar cleaning pump with lance and retractable hose reel
- An operators light on the back of the tank lid.
- Spray bar inside water tank for internal cleaning
- Remote control system for tank lift and door operation
- Vibration system at tank base to assist with material removal

Optional Extras

Pump Drive

- This versatile, operator-friendly boom design ensures maximum reach, flexibility, and control — enabling fast, safe operation in complex cleaning environments.
- Hydraulic lift and lower function (45° lift angle)
- Continuous 360° hydraulic rotation
- Telescopic reach: 3.4 – 4.6 m
- 6” (NW150) pneumatic stop valve and intake
- Operated via the central control panel and wireless remote
- Each optional component enhances productivity and safety, allowing operators full control and visibility during dumping and cleaning operations





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Equipment & accessories

Nozzles & Hoses

Werner Pumps supplies a full range of high-performance accessories designed to complement the Amanzi Recycler 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 industry-leading vacuum equipment built for Africa, contact Werner South Africa Pumps & Equipment (Pty) Ltd. Experience precision engineering, exceptional service, and local expertise backed by over 37 years in the industry.

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