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Mammoth Mega Vac



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ALL DETAILS AT A GLANCE

Massive Power • Intelligent Design • Unmatched Performance

The Werner Mammoth Mega Vac is the pinnacle of heavy-duty vacuum technology — a next-generation unit designed for large-scale industrial and environmental cleaning or water-free environments. Combining extra-high vacuum capacity, advanced filtration systems, and digital hydraulic control, it delivers relentless performance and operational precision across the most demanding conditions. Built for endurance. Engineered for Africa. Proudly 100 % South African Built.

Every detail of the Mammoth Mega Vac has been carefully engineered to deliver maximum reliability, power, and ease of maintenance.

Key Features

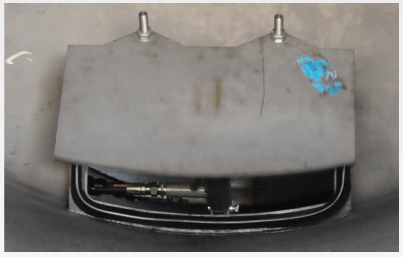
- Dual Vacuum Cyclone System for superior separation and debris protection
- Heavy-Duty Filter Socks and Filter Sock Guard for efficient multi-stage filtration
- 5 000 L Filtration Tank and 10 000 L Sludge Tank configuration for extended operation
- 360° Hydraulic Rotating Boom for precision suction control
- 3980 m^3/h Vacuum Pump — massive air throughput for large-scale applications
- Compact Small Hose Reel for fine-access cleaning tasks
- Hydraulic Valve Bank Operation for centralised, safe control
- Easy-Access Manhole for tank cleaning and inspection
- Filtration Chute for safe debris removal
- IP65-Rated 10" Full HD Touchscreen Display for live system monitoring
- Lockable Heavy-Duty Toolboxes for secure equipment storage

Power, precision, and practicality — the Mammoth Mega Vac is purpose-built for industrial strength and operator confidence.





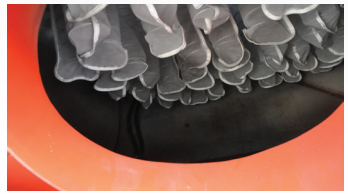












Technical Specifications and Equipment

3- Axle Truck (see Fig. 1 and 2)

Tank Volume (L): ± 15,000

Payload (Kg): ± 15,000

Dimensions (L x B x H): 9574 x 3860 x 2597 mm

Tank Superstructure

- Constructed from 316 stainless steel, 6 mm thickness for corrosion resistance and strength
- Equipped with 58 heavy-duty filter socks for high-efficiency filtration with auto cleaning ability
- Dual Cyclone Vacuum System for superior separation
- Hydraulic rear and top doors with adjustable hinges for easy access
- ADR-certified manhole with pressure-relief valve and rupture-disc protection
- Rotating beacon mounted on tank end for operational visibility
- Hydraulic tipping system with 14-ton multistage cylinder (50° tipping angle, burst-valve protected)
- EPDM door seal for superior wear, chemical, and corrosion resistance
- Swing-ball float indicator for accurate tank-level measurement
- Flared spillage chutes to limit overflow during discharge
- Custom signage boards (2450 × 550 mm) for client branding

- Designed for endurance, the Mammoth Mega Vac's superstructure ensures unmatched durability and smooth operation in even the harshest work environments

Fig.1

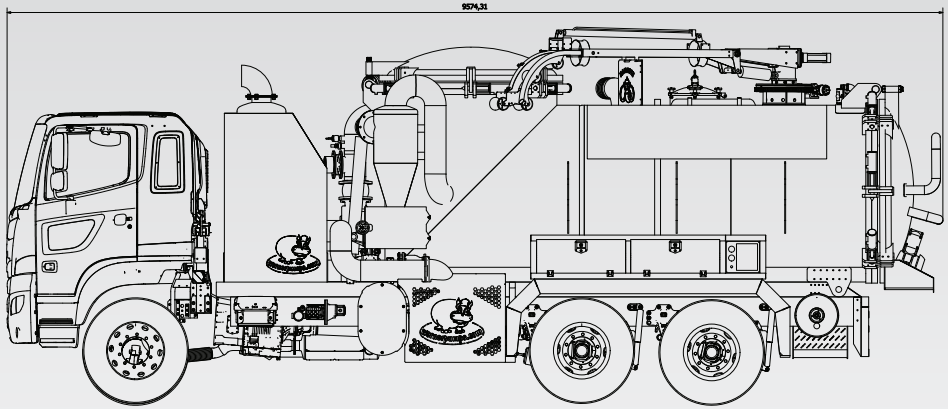
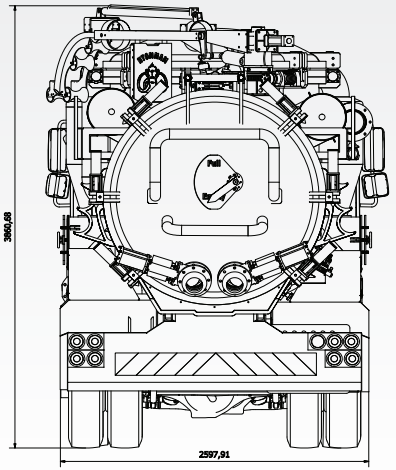


Fig.2



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TECHNICAL SPECIFICATIONS AND EQUIPMENT

Hydraulic System

- Optimised hydraulic circuit automatically adjusts load requirements
- Results in reduced fuel use, quieter operation, and longer component life

Control System

- Central Control Panel with 10” HD digital touchscreen display
  - Real-time pressure monitoring (vacuum and high-pressure systems)
  - Live status and running hours for main components
  - On-screen error diagnostics for fast troubleshooting
- Long-range Multi-Function Wireless Remote Control with live feedback
  - Monitors system performance
  - Automatically adjusts engine power and optimises fuel consumption
- Valve Bank Control for precise hydraulic operation

Vacuum System (Fig. 3)

- Werner PVT700 Positive Displacement Blower
  - Airflow Capacity: up to 3950 m³/h
  - Maximum Vacuum: 93 % continuous
  - Operating Pressure: up to 2.0 bar
  - Drive Type: Hydraulic, via dual split-shaft gearbox
  - Tri-lobe rotors with lateral air-injection cooling system
  - Operates oil-free and wear-free for long service intervals
  - Low-noise, high-efficiency design with optimised cooling on all moving parts
  - Long-life high-pressure seals for durability under continuous duty
  - Twin Spark Arrestor for added safety in volatile conditions (see Fig,4)
- The Mammoth’s vacuum pump system delivers industry-leading air displacement and stable continuous suction — ideal for industrial waste removal, sludge transport, and environmental cleanup operations

Vacuum System Technical Data

Model	Speed	Vacuum												Pressure					
PVT700		0%			30%			60%			MAX			1.5 bar			2.0 bar		
		m³/h	cfm	kW	m³/h	cfm	kW	m³/h	cfm	kW	%	m³/h	kW	m³/h	cfm	kW	m³/h	cfm	kW
	2500	4150	2443	22	3800	2237	52	3000	1765	82	93	0	112	4000	2354	80	3750	2207	138
	2400	3980	2342	21	3580	2107	49	2850	1677	78	92	0	107	3830	2254	76	3600	2119	131
	2200	3650	1560	19	3150	1854	43	2550	1500	70	91	0	98	3500	2060	69	3300	1942	118
	1900	3200	1883	12	2800	1648	32	2150	1265	57	90	0	80	3000	1766	55	2700	1589	98
	1600	2700	1589	7	2250	1324	27	1650	971	47	89	0	66	2500	1471	41	2150	1265	81

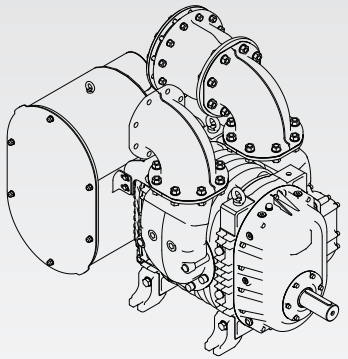


Fig.3 Positive displacement vacuum pump

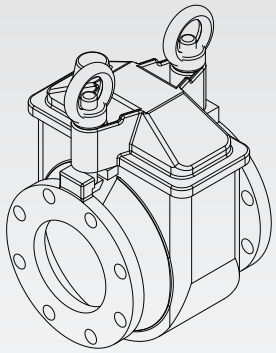


Fig.4 Twin spark arrestor

High Pressure System (If required)

- Dual split-shaft gearbox drive to both vacuum and jetting pumps
- Heavy-duty double cyclone filtration with debris discharge boxes
- Positive displacement design for efficient pressure delivery

Equipment & accessories

Nozzles & Hoses

Werner Pumps supplies a full range of high-performance accessories designed to complement the Mammoth Mega Vac Unit and enhance overall efficiency.

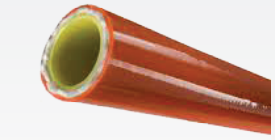
Product Range Includes:

- 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

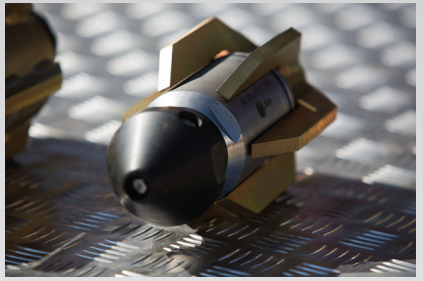
All accessories are rigorously tested for durability, safety, and compatibility with Werner high-pressure systems.





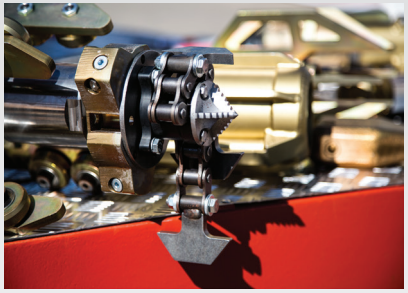


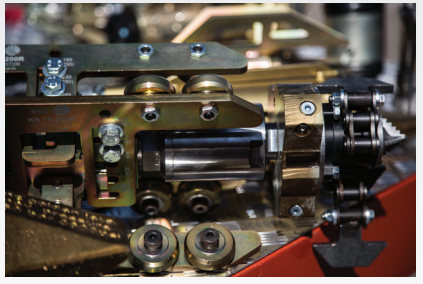




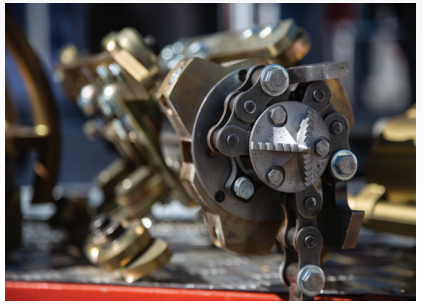














Get in touch

For top-tier industrial vacuum and jetting equipment, contact Werner South Africa Pumps & Equipment (Pty) Ltd — your trusted partner in precision-engineered performance. Experience South African innovation, backed by decades of expertise and a commitment to excellence.

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SHEQ NATIONAL CERT
Certified: ISO 9001 · ISO 14001

100% SA BUILT

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