

# VACU-PRESS® ORIGINAL



**MORE THAN 75 YEARS  
OF VACUUM PRESSURE SPECIALIZATION**







# Naaktgeboren

Founded in 1949 in Rotterdam, our family-owned company has grown over three generations into one of Europe's most innovative vacuum manufacturers. With more than 75 years of expertise, a team of 140 dedicated employees, and an in-house engineering department of 18 specialists, we have built over 2,850 trucks and produce around 130 new units each year.

As the inventor of the Vacu-Press® systems, we design and build heavy-duty vacuum trucks engineered for long lifetimes and minimal maintenance. Our fully analog control systems—based on relays and fuses rather than computers—

ensure exceptional reliability and easy servicing anywhere in the world, supported by universal components and fast spare-part availability.

Our main headquarters and production site are located in Rotterdam, close to the port and airport for rapid global delivery. In 2022 we expanded with a state-of-the-art facility in Bosnia and Herzegovina, enabling complete in-house engineering and manufacturing. With an extensive stock of spare parts and a solution-oriented approach, we ensure quick response times and performance our customers can always rely on.





# Our Philosophy

- Building machines for a lifetime – engineered for durability, reliability and long-term performance.
- Easy maintenance and easy operating – built with relays and fuses for simple servicing and intuitive daily use.
- Safety in operating – designed to ensure safe, controlled and worry-free operation in every situation.
- Heavy power and heavy duty – built to deliver maximum strength, capacity and endurance.
- Best in its class – industry-leading quality, innovation and customer-focused design.

## Basic specifications

Tank Capacity	Approx. 12,000 liters
Pump	Trilobe Roots blower, 10,000 m³/hour Continuous vacuum approx. 9,500 mm/wk
Drive Line	OMSI gearbox combined with V-belts and SKF bearings
Tank Material	Stainless steel 304 (1.4307)
Tank Diameter	1,800 mm
Type of Filtration	42 filter bags
Blower Protection	Fine filter positioned between filter bags and blower
Tipping	45° tipping angle, HYVA hydraulic tipping cylinder
Loading	Through suction inlet or top manhole
Unloading	By tipping the tank and opening the rear door, or through 6" ball valve on rear door (liquid package only)
Suction Inlet	6" wear bend (S235)
Couplings	6" Bauer
Tank Manhole	Top side
Control System	Manual operation
Electronic System	Relays and fuses (no computers, PLC, or CAN systems)
Hydraulic System	Approx. 179-liter aluminium hydraulic tank Hydraulic pump driven by gearbox PTO
Pneumatic System	Truck air compressor used in combination with a moisture separator and ball valve
Painting / Coating	Tank painted in a 2-component RAL colour of your choice Pump housing and sound dampers in RAL 9005
Certification	PED certified
Weight	Approx. 19 tonnes
Advertisement Boards	Left and right side
Walkway	Left side walkway with safety railing
Storage	Stainless steel open storage box on left side for hoses and couplings





# Safety Measurements

- One warning beacon, rear center of the vehicle
- Overpressure valve with rupture disc
- Hydraulic burst valve on tipping cylinder
- 2-way hydraulic safety valves on rear door cylinders (prevents unintended lowering)
- Two-hand operation safety system (electric/hydraulic)
- Mechanical safety prop installed under the tank to prevent accidental lowering during maintenance
- Two emergency stop buttons
- Grounding system with 40-meter reel and grounding device integrated in the main control box
- Two fall arrest anchor points mounted on top of the tank for safe working at height





# Options

## 1. Liquid Package

- Closed filter chamber for suction of wet materials

## 2. Filter Cleaning Package

- Continuous pneumatic filter cleaning without interrupting suction performance

## 3. Compressor Package

- Compressor for pressurised tank emptying, 200 m<sup>3</sup>/h – 2 bar

## 4. Water Pump Package

- 150 bar / 30 LPM water pump
- Includes 40-meter reel and 350-liter water tank

## 5. ADR Tank Package

- CEC ADR certification for the superstructure

## 6. ADR Chassis Package

- Chassis supplied with ADR approval

## 7. Emptying Package

- Two pneumatic vibrators mounted underneath the tank to assist unloading

## 8. Closed Storage Box

- Additional closed storage box on left rear side (1 meter wide)

## 9. Cabin in Colour

- Cabin painted in your desired RAL colour

## 10. Right side walkway with safety railing

- On the right side of the tank an extra walkway

## 11. Special Tank Material Package

- Stainless steel 316Ti (1.4571) tank material, titanium-stabilized for increased resistance to high temperatures and highly aggressive or corrosive materials

## 12. ATEX Package

- The machine can be equipped with an ATEX-certified Roots blower and a 10-bar explosion-resistant tank

## Standard truck specification

Truck Brand	MAN
Model	TGS 26.400 BB CH (1+2)
Wheelbase	4500 mm
Cabin Colour	White (standard)
Engine	Euro 5 – 400 HP (298 kW)
Transmission	Manual gearbox
Chassis	6x4
Cabin	Day cab
Suspension	Leaf springs
PTO	Gearbox PTO for hydraulic pump
Rear Bumper	Fixed rear bumper

## Dimensions and weight

Length	Approx. 9,300 mm
Width	Approx. 2,500 mm
Height	Approx. 3,900 mm, depending on chassis
Wheelbase	Aapprox. 4,500 mm + 1,350 mm, depending on chassis
Approx. 19 tonnes	







# Stronger service in the Middle East

To strengthen our presence in the Middle East, Naaktgeboren has appointed Asia Waterjet Equipment (AWE) as the Authorized Service & Spare Parts Partner in Saudi Arabia, the United Arab Emirates, Bahrain and Qatar. Within this region, AWE supplies genuine spare parts and performs certified maintenance on Naaktgeboren machines, ensuring fast response times and reliable local support.

Sales of complete vacuum trucks and related equipment remain handled directly by Naaktgeboren.

By combining our engineering expertise with AWE's regional strength, we provide trusted performance, dependable service and strong customer support throughout the Middle East.

- Spare parts available within the region – fast access to genuine Naaktgeboren components.
- Certified maintenance partner for your machine – trusted service by trained AWE specialists.
- Large regional stock – reduced downtime through immediate parts availability.
- Stronger regional support network – combining Naaktgeboren expertise with AWE's local strength for maximum reliability.



**NAAKTGEBOREN  
ROTTERDAM BV**  
INDUSTRIAL VACUUM PRESSURE SYSTEMS

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