



World's latest and safest technology
in industrial cleaning equipment



KOKS ECOVAC

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Pressure/vacuum truck



The KOKS EcoVac pressure/vacuum truck is designed for (heavy) industrial applications and is suitable for suctioning, discharging and transporting fluid and hazardous substances, such as liquids, sludge, fats, oils, fuels and chemicals. Specially developed for working with hazardous and contaminated substances, the truck is available in ASME, DOT 407/412 and/or ATEX (Ex) versions and built in accordance with all applicable safety standards.

Usage

The KOKS EcoVac pressure/vacuum truck is perfect for day-to-day suction, discharge and transportation activities, general industrial cleaning or for use in the (petro)chemical industry and in refineries.

Characteristics

The powerful liquid ring vacuum pump allows large quantities of (fluid) substances to be processed in a short time and then transported in accordance with current ASME, DOT 407/412 regulations. The user benefits from significant time savings and a huge reduction in cost.

Versions

The KOKS EcoVac pressure/vacuum truck can be fitted with various option kits that are appropriate for your needs, for industrial applications and/or sewer cleaning work.

Benefits

- Easy control.
- Ergonomic.
- Built to the latest environmental and safety standards.
- Approved in accordance with ASME, DOT 407/412.
- Responsible transportation in accordance with ASME, DOT 407/412 regulations.
- Powerful suction force.
- Optimum balance between a chassis with a short wheelbase and maximum tank capacity.
- Solid construction and components for high power and maximum payload.
- High quality, long service life and economical purchase price.
- Available as skid.
- Ergonomic and chassis-independent design due to the multifunctional auxiliary frame and adjustment of the pump angle.



Technical characteristics

Designed and certified for:

- assembly on a 3-axle, min 320 HP chassis.
- transportation of hazardous substances.
- ASME, DOT 407/412 requirements
(for specifications refer to option KE-15).

Pressure/vacuum tank

Volume	: 3170 USG, excl. the service water tank.
Material	: stainless steel AISI 316 grade; material no. 1.4404.
Rear door	: hydraulically opening and bolting.
Discharging	: by means of tipping and pressurizing.
Loading	: by means of suctioning.
Including	: 6" suction/discharge connections with ball valve.

Service water tank

On behalf of	: cooling the liquid ring vacuum pump.
Volume	: 317 USG.
Material	: stainless steel.
Including	: hinged exhaust stack.

Vacuum pump

Type	: liquid ring.
Capacity	: 1766 CFM.
Max. vacuum	: 28 inHg.
Piping	: completely stainless steel, provided with filter.
Drive	: V-belt transmission from the motor/distribution PTO.

Compressor

Type	: rotary vane pump.
Capacity	: 118 CFM, 43.5 psi overpressure.
Drive	: hydraulic.

Clean water tank

On behalf of	: the high pressure pump.
Volume	: 396 USG.
Material	: stainless steel.
Including	: min. level protection.

High pressure pump

Capacity	: 7.9 gpm, 1740 psi.
Including	: hose reel with hose and HP gun.

Dimensions

Length	: approx. 366".
Width	: approx. 98".
Height	: approx. 146", chassis-dependent.
Wheelbase	: approx. 177" + 53", chassis-dependent.

Weights

Empty weight	: approx. 36000 lbs, chassis-dependent.
Max. permissible weight	: 62000 lbs, depending on the regulations in the country of destination.

Standard safety provisions

Consisting of	: rupture disc, hose rupture safety valves on behalf of the rear door and tipping cylinder, beacon light, emergency stop, tip unbolting protection, repair cross beam, catwalk, rear door clamp protection, earth reel, emergency stop reel, rear door protection, tipping protection and powder extinguisher.
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Miscellaneous

Provisions	: working light, rear bumper and stainless steel control box/hose box/tool box.
Body inspection	: arranged by KOKS United States.
Instruction manual	: consisting of operating/maintenance instructions, drawings and schedules.

Options

KE-01

Tank material

KE-02-B

High pressure kit variants

KE-03

Positive displacement system*

KE-04

Hydraulically hinged bumper

KE-05

Vacuum pump variant

KE-06

Additional tool box on the bottom right*

KE-07

Compressor kit

KE-08

Chassis pressure/vacuum tank volume

KE-09

Spark arrester*

KE-10

Evacuation pipe

KE-12

Additional tool box on the upper left*

KE-15

DOT 407/412 kit (standard)

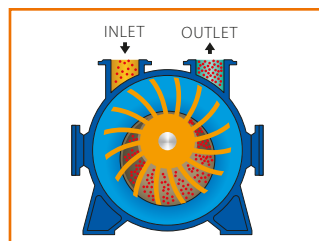
KE-20

Electrically operated HP hose storage reel

KE-21

KSS kit (KOKS Safety Standard)

* to be agreed in consultation



KOKS ECOVAC OPTIONS

KE-01



Tank material

Grade

- carbon steel (H II), material no. P265GH.

KE-02



High pressure kit variants

KE-02-A

- high pressure pump 7.9 gpm at 2900 psi.

KE-02-B

- high pressure pump 18.5 gpm at 2030 psi.

Provisions

- hose reel, manually operated.
- clean water tank, in combination with the self-supporting unit.
- forced water drain.

KE-03



Positive displacement system

Provisions

- liquid/sludge pump.

On behalf of

- continuously pumping liquids.

Capacity

- approx. 352 gpm.

Operating pressure

- approx. 43 psi.

KE-04



Hydraulically hinged bumper

Instead of

- standard bumper.

Power supply

- by means of the hydraulic system of the body.

KE-05



Vacuum pump variant

Capacity

- 1294 CFM, instead of standard 1765 CFM.

KE-06



Additional tool box on the bottom right

Material

- unpainted stainless steel AISI 304 grade.

Dimensions

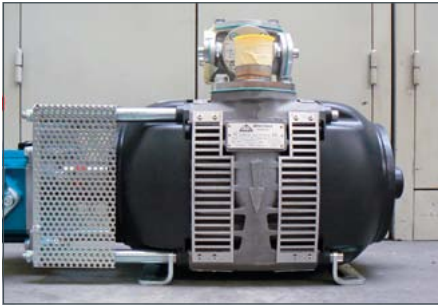
- length approx. 39.37" (depending on the available space).
- depth 19.69".
- height 23.62".

Provisions

- hinged doors with a solid lock.

Location

- underneath the vacuum pump.

KE-07**Compressor kit****KE-07-A**

- compressor max. 117.72 CFM.

KE-07-B

- compressor max. 206 CFM.

KE-08**Chassis pressure/vacuum tank volume****Tank volume**

- approx. 3963 USG.

In combination with

- a 4-axle chassis, depending on the version and chassis homologation.

KE-09**Spark arrester****On behalf of**

- export vehicles with euro-3 standard approval or less.

KE-10**Evacuation pipe****Execution**

- pipe routed through the tipping point with swivel coupling.

KE-12**Additional tool box on the upper left****Material**

- unpainted stainless steel AISI 304 grade.

Dimensions

- length 39.37"
- depth bottom side 23.62"
- depth top 10.63"
- height 52.76"

Provisions

- 2 hinged doors with a solid lock.
- 3 removable stainless steel boards.

Location

- in front of the hose box.

KE-15**DOT 407/412 kit****Certification**

- DOT 407/412 approved superstructure.

Body

- designed and certified for transportation of hazardous substances in accordance with the latest DOT requirements.

Provisions

- protective/roll bars.
- pneumatic lock on the tank and valves.
- explosion pressure in conformity with the current DOT standards.
- DOT number plates.
- DOT label holders.
- fire extinguishers, 12 kg, in a plastic housing.
- double insulated wiring.
- DOT final inspection.
- project design calculation.
- pressure test.
- nitrogen connection.
- X-ray of the welded joints, both longitudinal and around the periphery.

KOKS ECOVAC OPTIONS

KE-20



Electrically operated HP hose storage reel

Designed for

- storage of approx. 164.04" DN 13 HP hose.

Drive

- by means of a 24 V electric motor, incl. speed control.

Location

- at the tank rear.

Excluding

- HP hose.

KE-21



KSS kit (KOKS Safety Standard)

- KOKS Safety Standard safety provisions.
- machine inspection and inspection certificate.
- KOKS Academy user training, incl. examination and training certificate.

As a producer and supplier of cleaning equipment, KOKS Group has gained a reputation as a reliable partner for the industrial sector, the sewage cleaning sector, privately owned (cleaning) companies and local and provincial government. KOKS Group was founded in 1989 by Gerard Koks senior and has since grown into a dynamic company that operates globally and consists of seven specialised subsidiaries in The Netherlands, the Czech Republic and Saudi Arabia. The company also holds shares in rental organizations that operate in the Netherlands and the United Kingdom.



The second generation of the family is now in charge of day-to-day running of this family company. Rick Koks, together with approximately 300 company employees, spares no effort in ensuring that customers receive the best possible equipment, advice and service!

As a growing, innovative and healthy company, KOKS Group has gained an excellent reputation for producing cleaning equipment within the petrochemical sector and other industries. KOKS is not only a strong player in the Dutch and European markets, many customers in (Latin) America, Asia, Africa and Australia use advanced equipment from KOKS to gain a technological lead over their competitors. In addition to producing KOKS-branded industrial cleaning equipment for worldwide delivery, KOKS Group also exclusively represents a number of well-known manufacturers of equipment for railways and sewer systems in local markets, with a strong focus on the Netherlands. KOKS Group's headquarters, with all of the staff and support departments, is located in Alkmaar.



Strength calculation by means of the finite element method.

Rick Koks CEO

"Quality, expertise and trust are 'must haves', which are seen as a matter of course nowadays. Those attributes alone are not powerful enough to differentiate us from our competitors and generate customer loyalty.

The we-centric culture that is characteristic of our family company results in commitment, creativity, the ability to innovate, flexibility, short lines of communication, openness and honesty. Through mutual support, we succeed in reacting robustly and effectively to the needs, wants and requirements of the market and offering our customers a total package. Our high quality end-product is just one aspect. The expertise and advice required to create the most suitable product and provide the support and service needed to optimise that product's use and service life are also integral parts of the package. Furthermore, intensive collaboration with our customers is also crucial and indispensable for further developments."






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