

Kaiser. Performance counts.



AquaStarTM

Highest performance for the most demanding applications.

**COMBINED SEWER CLEANING
AND WATER RECYCLING**

AquaStar™

Efficient performance

The KAISER PREMIER AquaStar offers a perfect combination of performance and versatility. The KDU jetting pump delivers water at a rate up to 132 gpm and water pressure of up to 2,900 psi. The large hose reel can accommodate up to a 985' jetting hose. With the KAISER vacuum pump, the maximum air throughput is 2,390 cfm with a high vacuum of 25" Hg. Due to the combined jetting hose and suction boom, the vehicle can be positioned at a manhole for a sewer cleaning process that is both quick and safe. Due to the large hose reel capacity of up to a 52' suction hose, digtube extensions are not needed in most cases. The unique installation of the vacuum pump in the fresh water chamber serves for cooling, noise dampening as well as increases the suction power because of the short suction lines.

Versatility

- > With the patented single stage ROTOMAX water recycling system, the AquaStar represents a benchmark for the industry in the high-performance recycling sector.
- > The AquaStar is equipped to clean sewer pipes as well as catch basins.
- > Due to the high pressure system and the hose reel placement, the AquaStar can also be used in hydrovac applications.

KAISERtronic

The consumption-optimized hydraulic system reduces fuel consumption by adjusting the suction power in accordance with the vacuum rate. Cleaning quality in the sewer pipe is enhanced by the constant jetting hose drive with speed control.

Greater operator ergonomics

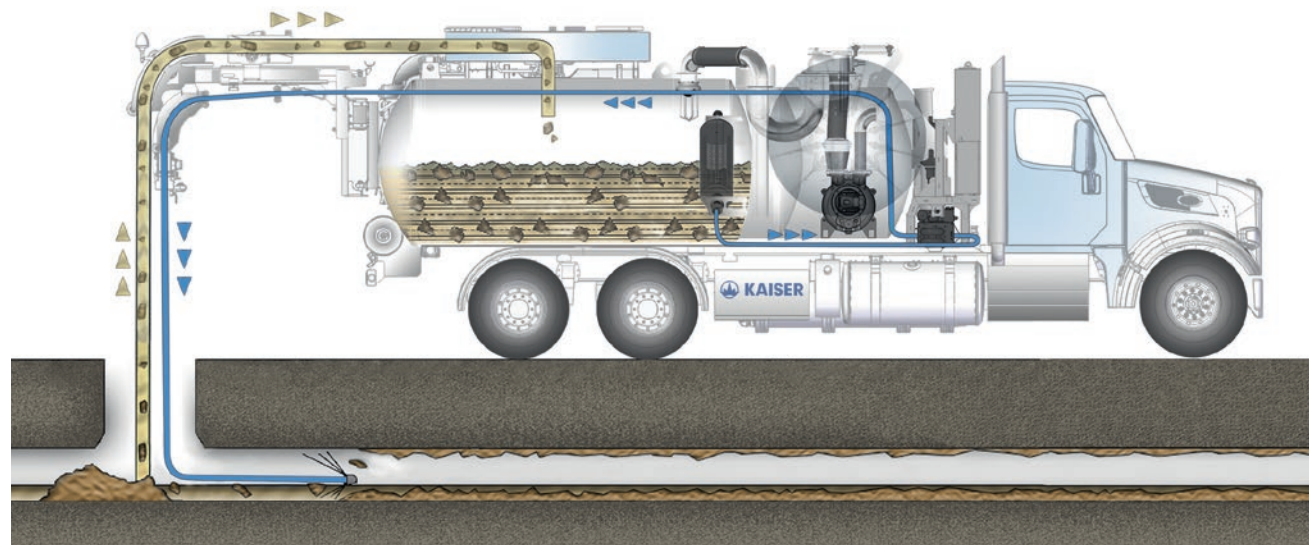
The highly automated operation system allows the operator to focus on the work at hand. The full-feature radio remote control offers the option to move freely away from the vehicle. The full-color LCD information display delivers clear feedback on current performance parameters. Data such as jetting hose meter counter, tank filling degree, vehicle weight and component status are transmitted directly to the remote control and presented in graphical form on the display. The consistent water pressure at the nozzle makes sewer cleaning considerably more productive. Due to the enclosed vacuum pump and the intelligent control system, noise emissions are greatly reduced.

Diagnosis made easy

With KAISER*teleservice* remote diagnostics, the service technician can easily log into the vehicle control system via a modem, access all current data and perform any necessary trouble-shooting. They can even modify parameters if needed.



Jet & Vac working area



DETAILS AT A GLANCE



Suction / Pressure changeover valve



Lift and dump system



Full-featured remote control



Combined jetting and suction boom for quick and easy setup



Option: Secondary hose reel for smaller pipes



Optional winter package system



Single stage ROTOMAX filter system



Lock ring



Touch display control panel



Optional divider door for maximum versatility



Maximized storage

TECHNICAL SPECIFICATIONS AND EQUIPMENT

3-AXLE TRUCK

Tank volume debris / fresh water	12.8 yd ³ / 755 gal
Dimensions L x W x H *	32' 7" x 8' 6" x 12'

* can vary depend on chassis specification

KAISERtronic CONTROL SYSTEM

- > Up to 25% less fuel consumption
- > Speed control of jetting hose reel
- > Monitoring of jetting water flow rate
- > Vacuum-dependent control of suction air flow
- > Intelligent oil cooler control
- > Integration of chassis operating data
- > KAISERteleservice remote diagnostics

TANK SUPERSTRUCTURE

- > Debris tank and rear door in stainless steel
- > Fresh water chamber in stainless steel with built-in vacuum pump
- > Separator chamber in stainless steel
- > Rear door with lock ring
- > Lift and dump system

Options

- > Fold down tube racks
- > Labeling plates
- > Additional tool box

WIRELESS REMOTE CONTROL

- > Boom control
- > Hose reel and winch control
- > Vacuum and high pressure water pump control with pressure adjustment
- > Tank cover, lock ring and lift and dump function
- > Start / stop for chassis engine

With color display for

- > Pressure monitoring for vacuum and high pressure pump
- > Water volume and water pressure at the jetting nozzle
- > Jetting hose footage counter
- > Automatic hose stop at zero and end position
- > Operating status and operating hours of main components
- > Diesel engine speed and fuel consumption
- > Status and warning information

Touch display

- > Located in the rear passenger toolbox
- > Toolbox lighting and power outlet (12V)

HIGH PRESSURE SYSTEM

- > KAISER high pressure water pump KDU148 with a jetting capacity of 85 gpm and a maximum water pressure of 2,900 psi
- > Jetting hose reel with capacity of 985' 1" high pressure jetting hose
- > Combined telescoping jetting and suction hose boom with 180° swivel drive
- > Tank cleaning nozzles
- > ROTOMAX single-stage filter with self-cleaning system
- > Automatic flushing system

Options

- > Jetting capacity 105 or 132 gpm
- > Hand reel with capacity of 75' ½" high pressure jetting hose
- > Hydro excavation kit
- > Winter package
- > Additional water tank
- > Auxiliary hose reel with 400' of 3/4" hose
- > Hydraulic divider door in debris body

VACUUM SYSTEM

- > KAISER liquid ring vacuum pump KWP3100i with a suction capacity of 1,850 cfm and a high vacuum of 25" Hg
- > Changeover valve for fast switch from suction to pressure mode

Options

- > KAISER liquid ring vacuum pump KWP4000i with a suction capacity of 2,390 cfm

QUICK FACTS

PERFORMANCE



KAISER high pressure pump KDU – Pressure converter with a high flow rate of max. 132 gpm and 2,900 psi

EFFICIENCY



KAISER ROTOMAX – Highly efficient water recycling system, even in the worst sewer pipe conditions

SAFETY



Ergonomic and safe work place due to independent operation by multifunctional remote control

QUALITY



KAISER proven technology - Made in the USA



KAISER vacuum pump KWP – Liquid ring pump with high vacuum of 25" Hg



Fast setup due to combined jetting / suction boom; no extensions needed because of high capacity vacuum hose reel



Unrestricted driver's field of vision due to hoses and reels located behind the cab



Proven components and stainless steel tank

” THE PATENTED KAISER WATER RECYCLING SYSTEM SAVES 6,350,000 GALLONS OF FRESH WATER PER YEAR AND VEHICLE.

THE RIGHT KAISER PRODUCT FOR YOUR APPLICATION

Sewer Cleaning Water Recycling



A perfect combination of performance and versatility and a benchmark in the high-performance recycling sector. KAISER PREMIER's equipment has the power you need for the toughest applications. Whether you are jetting through grease or roots in a sewer line, our vehicles can power through.

Hydro Excavation



Setting new standards with superior performance in hydro excavation. With hydro excavation becoming a requirement over traditional excavation in most municipal, utility and infrastructure applications, KAISER PREMIER's hydrovacs are built to meet the most demanding applications.

Mobile Walking Excavator



With independently articulating legs, our Mobile Walking Excavators can traverse job sites that are typically impassable with traditional excavators.



The international focus on modern environmental technologies has led to the growing importance of efficient, high-performance vehicles for sewer cleaning and industrial disposal. The KAISER Group is the leading player in the world market.