

Kaiser. Performance counts.



AquaStarTM

Top performance for flexible 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 2900 psi. The large hose reel can accommodate up to a 985 ft jetting hose. With the KAISER vacuum pump, the maximum air throughput is 2390 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 55.6 ft 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 insulation as well as increases the suction power because of the short suction lines.

Versatility

- > With the patented 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 operating comfort

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 radio remote control and presented in graphical form on the display. The control of the water pressure at the jetting nozzle also makes sewer cleaning considerably less difficult. Due to the "intelligent structure" concept and its control system, noise emissions are extremely low.

No worries – diagnosis made easy

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



Jet & Vac working area



DETAILS AT A GLANCE



Suction / Pressure
changeover valve



Tipping system



Full-featured radio
remote control



Winter package system



Large combined jetting /
suction boom reach



Hand hose reel



Lock ring



Touch display control panel



Large storage



ROTOMAX filter system

TECHNICAL SPECIFICATIONS AND EQUIPMENT

3-Axle Truck

Tank volume debris / fresh water	12,8 yd ³ / 755 gal
Payload	15,700 lb.
Dimensions L x W x H	390" x 98" x 140"
Wheelbase	229" + 54"

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
- > KAISER*teleservice* remote diagnostics

Tank superstructure

- > Debris tank and tank cover in stainless steel
- > Fresh water chamber in stainless steel with built-in vacuum pump
- > Separator with automatic drainage in stainless steel
- > Tank cover with lock ring
- > Tipping system for complete emptying of the tank

Options

- > Tilttable tube racks
- > Labeling plates
- > Additional tool box

Radio remote control

- > Boom control
- > Hose reel and winch control
- > Vacuum and high pressure water pump control with pressure adjustment
- > Vacuum pump control with performance regulation
- > Tank cover, lock ring and tipping function
- > Start / stop for diesel engine

With color display for

- > Pressure monitoring for vacuum and high pressure pump
- > Water volume and water pressure at the jetting nozzle
- > Jetting hose meter counter with totalling function
- > Automatic hose stop at zero and end position
- > Operating status and operating hours of main components
- > Diesel engine speed and consumption
- > Status and warning information
- > Axle load for chassis with air suspension (option)

Touch display

- > Located on the rear in the right side box
- > Incl. box lighting and plug for working light
- > Functions analogous to radio remote control; additionally access to automatic system cleaning and diagnostic information

High pressure system

- > KAISER high pressure water pump KDU148 with a jetting capacity of 85 gpm and a maximum water pressure of 2900 psi
- > Jetting hose reel with capacity of 985 ft 1" high pressure jetting hose
- > Combined telescoping jetting and suction hose boom with 180° swivel drive
- > Tank cleaning nozzles
- > ROTOMAX water recycling system with self cleaning system
- > Automatic flushing system

Options

- > Jetting capacity 105 or 132 gpm
- > Hand reel with capacity of 75 ft ½" high pressure jetting hose
- > Hydro excavation kit
- > Winter package
- > Additional water tank

Vacuum system

- > KAISER liquid ring vacuum pump KWP3100i with a suction capacity of 1850 cfm and a high vacuum of 25" Hg
- > Change over head 4 way valve for fast switch from suction to pressure mode

Options

- > KAISER liquid ring vacuum pump KWP4000i with a suction capacity of 2390 cfm

QUICK FACTS

PERFORMANCE



KAISER high pressure pump KDU – Pressure converter with a high flow rate of max. 132 gpm and 2900 psi

EFFICIENCY



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

SAFETY



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

QUALITY



Own technology – Made in the USA



KAISER vacuum pump KWP – Liquid ring pump with high end vacuum of 25" Hg and big air flow



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



Unrestricted driver's field of view due to hoses and reels located behind the cabin



Proven components and stainless steel tank

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

KAISER. A SUCCESSFUL FAMILY-OWNED COMPANY FOR OVER 100 YEARS.

“
Our value orientation and our capacity to innovate as a family-run business remain to this day the basis for our international success. They form the cornerstones for sustainable development in the future.”

Markus Kaiser



KAISER AG is a family-owned company based in Liechtenstein. Since its founding in 1913, the company has grown into an international industrial enterprise with sites in Liechtenstein, Italy, Finland, Austria, Slovakia, and the United States. It is a history of innovations – The inventive genius enabled KAISER AG to continuously progress and led to the development of entirely new products.

INTERNATIONAL EXPERIENCE, REGIONAL ROOTS

KAISER has six international locations with a network of over a 100 sales and service partners worldwide. We have vehicles on five continents, in 116 countries, and in over 1,000 cities.

KAISER has numerous years of experience in the US market with MORO KAISER COMPONENTS and KAISER Excavators. At KAISER PREMIER, which has its own manufacturing facility, the focus is on Hydrovac and recycling vehicles.

