



**Hydraulic
Systems**

Power To Move Your World



Portable High Performance Vacuum Systems

500 Series Compact Portable Industrial Vacuum Systems



500 Series Features

- Skid or Trailer Mounted
- Low Operating Noise
- High Continuous Vacuum
- Electric or Engine Powered
- Low Maintenance Design
- Simple Operation
- Flexible Positioning
- Built-in Safety Features
- Compact, Easy to Transport
- 100% Performance Tested
- Proven Dependability
- On-board System Monitoring

Available in skid and trailer mounted configurations, the compact Triton 500 Series Systems deliver outstanding performance, flexibility and dependability in the most demanding industrial vacuum applications for the movement and collection of liquids, slurries and semi-solids.

The 500 System is unmatched in its cost savings, ease of positioning on the jobsite and performance delivered in a wide range of industrial vacuum applications. The Triton System costs less than half that of a traditional vacuum truck, while greatly reducing operating and maintenance expenses.

Each self-contained system is designed with the operator in mind, offering numerous built-in safety features, minimal maintenance, simplified controls and operation. Systems are powered by either a high efficiency electric motor or commercial duty diesel engine and incorporate the highest quality, system matched components and available Triton exclusive accessories. This design and

manufacturing capability allows Triton to deliver specialized 500 Systems, like Class I Division II rated or low operating noise levels, which exceed the application requirements and customer expectations.

Every Triton system is manufactured to the highest quality standards, thoroughly inspected and rigorously tested for performance and dependability assurance. The proven reliability and performance capability of each Triton 500 System has made it the preferred portable vacuum solution of leading companies worldwide for a wide range of industrial applications like oil field service, refinery, shipyard, oil & gas, environmental, chemical plant and many others.

To further maximize your investment, Triton offers customer service and support advantage programs including on-site system start-up, flexible equipment purchase or rental programs, on-going training, preventative maintenance agreements and more. **Contact us today to learn more!**





1,000 GALLON GOOSENECK TRAILER MOUNTED SYSTEM



TANK CLEANING SYSTEM, WITH OPTIONAL STAINLESS STEEL TRASH PUMP



"RIG VAC" SKID SYSTEM



Portable High Performance Vacuum Systems

500 Series Compact Portable Industrial Vacuum Systems

Specifications	
Vacuum / Pressure Pump	Drive System
Forced Fan Air Cooled For Continuous Duty	"V" Belt Drive, Added Service Factor
High Efficient Rotary Vane Design Vacuum, 27" HG Maximum Pressure, 15 PSIG Maximum Airflow, 412 CFM @ 0" HG; 376 CFM @ 18" HG	Fully Enclosed, Easy Access Belt Guard
Spark Free Composite Vanes	Simple Belt Tension Adjuster
Built-in Lubricating Oil Reservoir	Long Service Life Banded Belt
Integral Vacuum/Pressure Changeover Valve	Design and Construction
Easy Service Inlet Air Filter	Low Operating Noise
Available Power Sources - Electric Motor	High Efficiency Cyclone Filtration, No Filters To Replace
40 HP, TEFC, Min. 90% EF, 230/460 V 40 HP Explosion Proof, TEFC, Min. 90% EF, 230/460 V	Durable, Industrial Multicoat Paint
Diesel Engine	Skid Mounted
40 HP, Deutz, 3 Cylinder, Fuel Injected, Oil Cooled High Reliability, Extended Maintenance Intervals Low Noise Emission Integrated Cooling System Air or Electric Start Emergency Shut-Down Low Engine Oil Shut-Down 30 Gallon Fuel Tank	Heavy Duty, Four Point Shipyard Lift Cage
Tank	Full Length Fork Lift Pockets
500, 700 or 1,000 US Gallon Capacity	High Strength Steel Tubing
Horizontal or Vertical Cone Bottom	Liquid Tight Catch Pan
Interior Corrosion Resistant Coating	Trailer Mounted
Hose Connections, 2-4" Male Camlock	Flat or Gooseneck Design
21" Diameter Manway For Easy Cleanout	2 or 3 Axle Configuration
Pressure Relief Safety Valve	Dimensions
Stainless Steel Level Indicator	Skid Mounted
Carbon Steel, 0.25" Wall Thickness	75 1/2" L x 60 1/2" W x 94" H
Available Electric System Controls	Weight
Onboard Main Start/Stop	4,050 lbs
Auxiliary Start/Stop Switch, with 100' Remote Cable	
Up to 250' Power Cord	

H Hydraulic
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Containerized Vacuum System

Summary

The Hydraulic Systems and Triton Industries engineering teams have combined efforts to develop a rugged containerized vacuum system. The system is specifically manufactured to reclaim drilling fluid and contaminant spills at drilling rig locations. The package is manufactured with the drilling contractor in mind to meet environmental response requirements requested by their exploration/production customers. Packaged in a 20' metal sea/land container, we paint to your specifications. Within the container are available storage space for extra hoses, pressure washer and hoses, and tools. Electrical connections are installed to run small electric tools and equipment. Lighting is installed in the ceiling of the container.

OVERVIEW

Features	Benefits
Mobile	Fork-lift friendly so the container can be easily positioned at location as well as moved out of the way during idle time.
Versatile	The container unit can be used to vacuum spills to meet environmental requirements. It can be moved by forklift away from the rig to discharge the spill into a pit or large truck/trailer rig.
Simple Operation	Each self-contained system is designed with the operator in mind, offer numerous built-in safety features, minimal maintenance, simplified controls and operation.
Easy access	The 20' Container has three entry ports including full opening at one end to move equipment and accessories in/out.



DETAILS

Vacuum Pumps

- Spark Free Carbon Composite Vanes
- 500 Model: 430 CFM - 27" Hg
- Vacuum or Discharge

Motor

- 500 Model: 40hp Explosion-Proof w/Belt Drive Assembly or 40hp Deutz Diesel
- Air Start or Electric
- Emergency Shut-Down
- Low Oil Shut-Down
- Overfill Shut Down
- Less Than 80dB Noise (Electric)

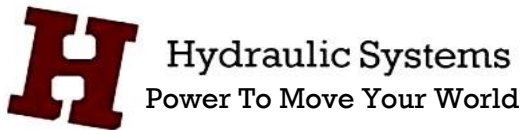
Tank

- 500 Gallon
- Vertical or Horizontal with Cone Bottom
- Stainless Steel Level Indicator
- 21" Manhole for Easy Cleaning
- Pressure Safety Relief Valve

Controls

- Main Start/Stop Located at Skid Unit
- Auxiliary Start/Stop Switches with 100' Remote Cable (Optional)
- Vacuum Nozzles
- 250' Power Cord

Vacuums Also Available Skid or Trailer Mounted



Hydraulic Systems Is an Exclusive Triton Industries Vacuum distributor

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