

THE MOST INDUSTRY FIRSTS. THE MOST INDUSTRY FAVORITES.

Another Guzzler first. The innovative Guzzler® NX® industrial vacuum loader offers industry-leading vacuum technology and filtration along with unmatched sound suppression, which gives the contractor a differentiated service and the industrial plant a more efficient process.

The Guzzler NX is a powerful and efficient industrial vacuum system designed to clean up and recover a wide range of materials. The NX tackles the toughest applications, from solids and dry bulk powders – like fly ash – to liquids, slurries and thick, heavy sludge.

The NX features patent-pending Vacuum Recovery (VR) Technology that incorporates automatic offline cleaning of the integral bag house and cyclone. Material is recovered back into the debris tank while continuing to work at the hose.

The Guzzler NX offers improved filtration, noise reduction and better loading to utilize the full volumetric capacity of the tank. In addition, it was designed from the ground up to be safer and easier to operate.

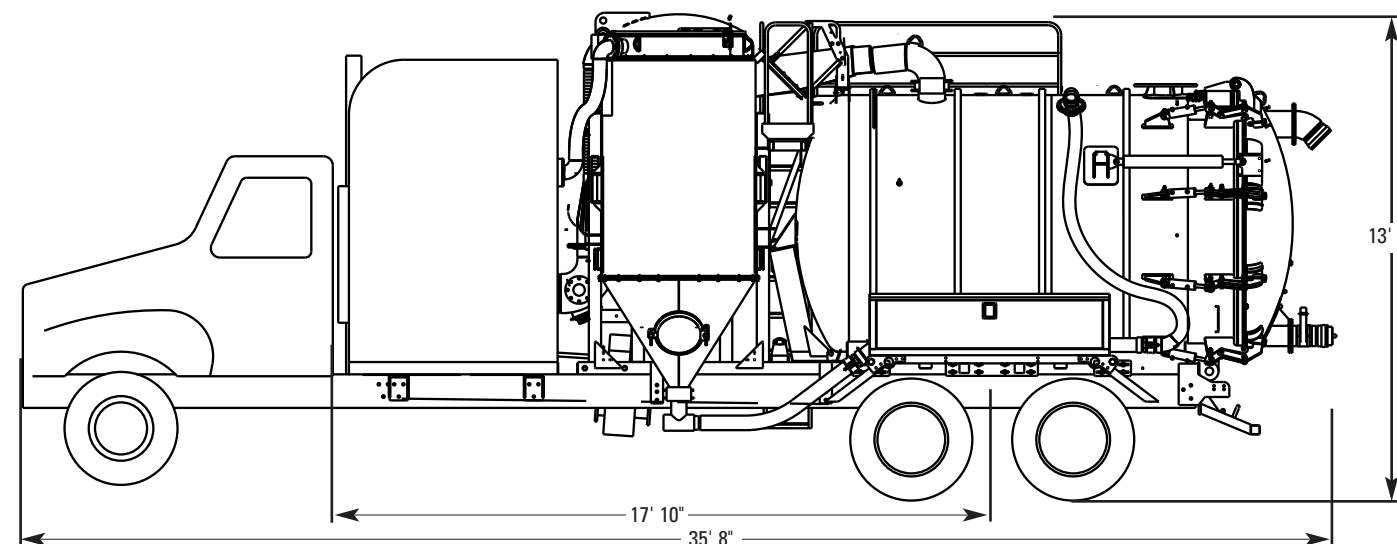
Flexible options include High Dump, Vertical Auger and Dense Phase offloading, providing a complete solution to reclaim, recycle and redistribute valuable material, which can easily be offloaded into storage silos, rail cars or other appropriate containers.

A total system for greater jobsite productivity.



GUZZLER NX Industrial Vacuum Loader

Specifications and Options



Overall Length	CA	Height	Width	Weight Empty
428" (10.87 m)	214" (5.44 m)	159" (4.04 m)	102" (2.59 m)	46,500 lb (21,092 kg)

- Blower: Guzzler NX 55 positive displacement
- Maximum Vacuum: 28 in Hg (conversion into kg/cm²)
- Maximum Airflow: 5,500 cfm (conversion into m³/h)
- Max Airflow @ Max Vacuum: 4,600 cfm (conversion into m³/h)
- Drive: OMSI remote-mount, air-shift transfer case
- Controls: Blower engaged via air-shift transfer case. Hydraulics engaged via air-shift on transmission-mounted PTO. Body dump and tailgate open-close functions operated via hydraulic manual spool valves. Engine blower speed controlled by electronic throttle. Sealed control panel includes blower tachometer, throttle controls, tailgate locks, blower hour meter, air pressure gauge, hydraulic system pressure gauge, blower temperature and blower vacuum gauge and VR cyclonic bag house cleaning controls with adjustable settings.
- Hydraulics – Constant pressure, variable volume pump driven by chassis engine via PTO. System plumbing assembled using JIC fittings, and primarily hydraulic tubing. 50 gallon (189 l) hydraulic tank.
- Collector Body – .25 in (.64 cm) thick construction, rear bulkhead is 84 in (213.4 cm) diameter constructed of .3125 in (.8 cm) steel plate with D-ring style neoprene gasket. 50° dump angle. Only the debris tank rises when dumping.
- Electrical – Wiring is harnessed and plugs directly into chassis connection. All wiring is color-coded and function-stamped.
- Filtration – All Modular Construction First Stage: Radial Diversion Wing Second/Third Stage: Two Combination Cyclone Bag House Chambers Fourth Stage: Micro-strainer
- Sound Package – Modular, two-compartment acoustical sound enclosure with steel-wool insulation. Lower compartment features twin cylindrical silencers. Upper compartment features baffled, insulated panels.
- Payload Capacity – 17.79 yd³ (13.6 m³)
- Bag Cleaning – Patented Vacuum Recovery (VR) Technology

Popular Options

- Sludge pump offload
- Dense phase offload
- Vertical Auger offload
- High dump
- High Rail system
- High dump with High Rail system

Additional options available. Consult your Guzzler representative for more information.

Warranty

The Guzzler is warranted against defects in materials or workmanship for a period of 12 months from the date of delivery to the original purchaser; optional extended warranty packages are available. Consult your Guzzler representative for complete warranty information.

Your Guzzler representative is:



Guzzler Manufacturing, Inc.
Subsidiary of Federal Signal Corporation
1621 South Illinois Street, Streator, Illinois, U.S.A. 61364
(815) 672-3171 Phone • (815) 672-2779 Fax
www.guzzler.com

Some items shown may be optional.
Specifications subject to change without notice.
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PROVEN PERFORMANCE IN:

- Steel mills • Railroads • Oil refineries • Chemical plants
- Cement plants • Foundries • Shipyards and docks
- Power generating stations • Metal mining • Phosphate plants
- Bridge painting • Grain elevators • Aluminum plants
- Glass manufacturing • Waste-to-energy plants
- Pulp and paper mills • Material processing plants
- Lime and coal plants • Water and sewage treatment plants

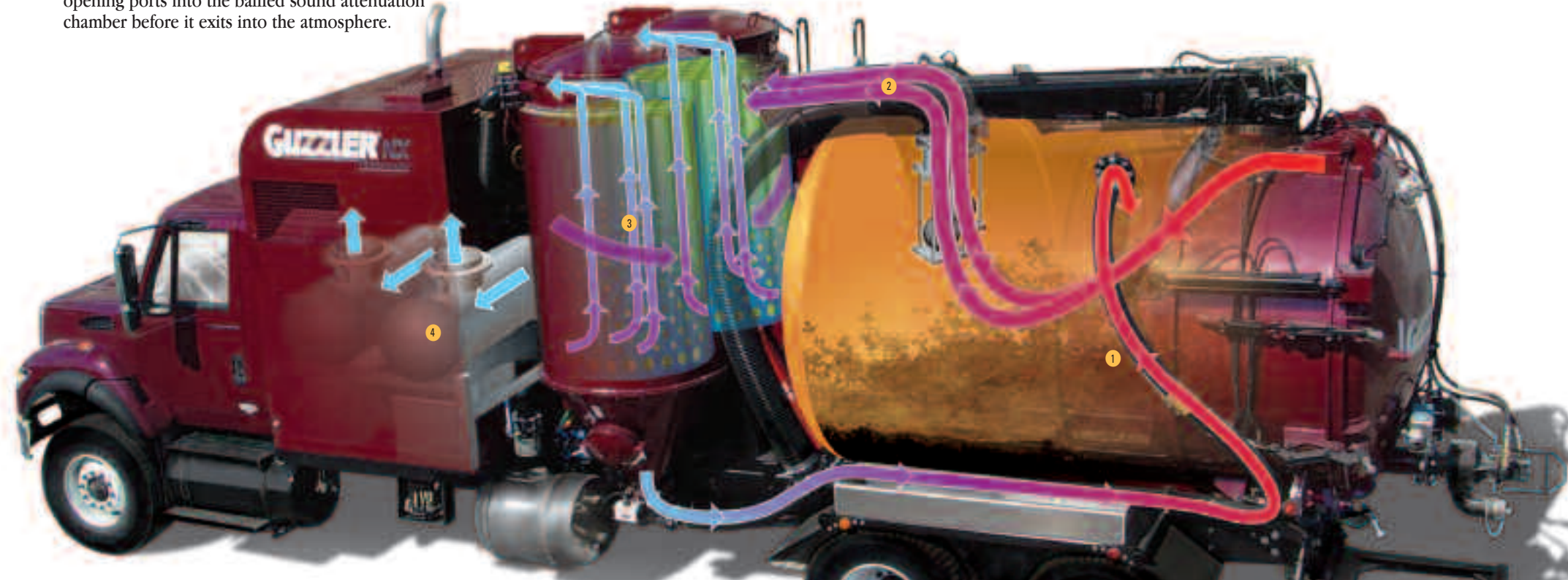
Guzzler NX Vacuum Loaders

Superior Design from the World Leader in Vacuum Solutions

Advanced Guzzler NX Filtration Process

- 1 Stage 1 - Debris tank:**
Debris enters through the rear inlet port or boom, then strikes the deflector plate. The debris is forced downward into the tank where the bulk of it separates from the air stream. The residual debris suspended in the air stream then flows towards the outlet in the front of the debris tank. It exits out of the debris tank as two separate airstreams and moves towards the two combination cyclone-bag house chambers.
- 2 Stage 2 - Cyclone:**
As the air stream enters the top of the cyclone, it moves in a downward spiral. The material in the air stream is flung outwards towards the cyclone walls from the centrifugal force, hits the cyclone walls, separates from the air stream and moves down into the bottom of the chamber.
- 3 Stage 3 - Bag houses:**
While the air spirals down the cyclone chamber, some of the air/debris is pulled into the bag house through variable size perforations on its outer wall. This air stream then passes through the thirty-six 70-inch bags in each bag house, which further separates the smaller particulate matter remaining in the air stream. The air from the two combination bag house/cyclones then merges at the top and forms a single air stream.
- 4 Stage 4 - Micro-strainer:**
The final stage of filtration, this metal basket strainer catches any solid objects that can be dropped into the cyclone/bag house chambers during regular operation or during maintenance (such as wrenches). The air moves from this micro-strainer into the blower and exits out into the silencers. The air enters the right-hand side of the cylinders and exits from the top opening ports into the baffled sound attenuation chamber before it exits into the atmosphere.

- **Improved Filtration System**
Improved filtration is achieved through increased filter area and offline cleaning of filters using reverse airflow to extend bag life while forcing carryover back into the debris tank (VR Technology). And with seventy-two 70-inch bags, the NX provides the lowest air-to-cloth ratio and the most filter area of any standard unit in the industry.
- **Innovative High-Speed Blower System**
The blower is at the heart of the NX. Delivering a maximum of 5,500 cubic feet per minute with vacuum capabilities up to 28 inches of mercury. Its forced oil lubrication system enables you to run at higher operating speeds while maintaining lower operating temperatures. Better yet, the high-speed blower allows you to load more at lower engine RPMs, conserving fuel and reducing noise levels. The blower is injection-cooled and comes standard with integrated safety shutdowns for blower protection.
- **Patented Vacuum Recovery (VR) Technology®**
This NX exclusive reclaims carryover material from both the bag house and cyclones, without stopping the workflow at the hose. This state-of-the-art system allows for complete loading of the debris body, while a quick-access, fold-down valve assembly makes manual cleaning effortless.
- **Sound Test Methodology and Noise Rating**
Designed from the ground up, the NX sound enclosure is acoustically engineered to dampen the high frequency blower sound waves providing low noise levels and greater operator comfort. The patented NX blower is also designed to generate sound waves that can be easily attenuated. The noise levels were tested per the SAE J1372 Hemispherical Sound Test, and the Guzzler NX produced a rating of 88 dB at 2,500 rpm, the quietest in its class.
- **Innovative Air Routing Design**
A Guzzler trademark, this unique feature minimizes resistance through the system and maximizes loading distribution.
- **Rugged Debris Body with Dumping Stability**
The standard 17.7-cubic-yard debris tank uses six adjustable, maintenance-free hydraulic locks to close and seal the rear door. When unloading the NX, only the tank rises, which increases safety and efficiency in rough dumpsites. There are no dump tubes to clean out, as all material is unloaded from the tank. A full opening rear door enhances the ease of the dumping process.
- **Ease of Operations and Improved Operator Safety**
The overall design improves ease of operation, providing a safer, more efficient set-up for the operator. Controls are centrally located on the driver's side in a recessed panel, giving the operator maximum control over the entire system. Hydraulic and pneumatic control valves are mounted at the operator's level with manual overrides for ease of maintenance and troubleshooting. Plus, the vacuum recovery system eliminates the need for someone to routinely climb on top of the truck to further clean out the combination cyclone and bag houses.



Patented Vacuum Recovery (VR) Technology

The Vacuum Recovery system is designed to reclaim carryover from the combination bag house and cyclone while work continues at the hose. Material carryover is evacuated back to the debris tank on automatic cycles that are adjustable for different applications. Through a series of air-operated butterfly valves, each bag house is alternately cleaned offline. Discharge air from the blower is directed through the clean side of the bags into the hopper below.



Simultaneously, compressed air from the chassis compressor is directed through a center-mounted pipe with a blasting nozzle fitted at the end. The nozzle fluffs material in the hopper simultaneous to purge sequencing. Air and pressure direct the accumulated material from the bag house hopper through discharge lines back to the main debris tank. The cleaning system is automatic and may be pre-set to three regular, timed speeds and cleanout mode used for the end of the day cleaning. A manual override is included for applications that require forced cleaning.

Multiple Offload Options

The Guzzler NX design allows you to select the offloading solution that meets your specific needs so you experience minimal downtime and maximum productivity. Guzzler offers the widest selection of offloading options of any manufacturer.

Batch

Dense Phase Offload System

An advanced offloading tool that allows the operator to reclaim, recycle and redistribute valuable material, combining applied pressure with high airflow for true dense phase conveyance up to 120 ft (36.6 m) vertically. Ideal for cement or bulk powder applications.



Vertical Auger
The ultimate in controlled offloading for any free-flowing, wet or dry product. The only one with an isolation valve between the tank and auger for longer auger life and minimal cleanup.

High Dump
This option allows the operator to dump material directly into roll-off boxes up to 54 inches high. A heavy-duty, telescopic, hydraulic cylinder lifts the debris body upwards and slightly backwards for extra clearance.



Continuous

Tailgate-mounted sludge pump

4 in (101.6 mm) removable, hydraulically driven pump-head is ideal for unloading sludges from the debris body and may be used during vacuuming.

Contact Guzzler for more details and for assistance choosing the right offloading solution for your needs.