



# GUZZLER<sup>®</sup> NX

## INDUSTRY LEADING VACUUM AND FILTRATION TECHNOLOGY



Overall Length	CA	Height	Width	Weight Empty
436" (11.07 m)	214" (5.44 m)	159" (4.04 m)	102" (2.59 m)	44,820 lbs.

**Blower:** **Robuschi**  
Model: RB-DV 145  
Type: Tri-lobe, direct drive

**Maximum Vacuum:**  
28-in Hg (.97 kg/cm<sup>2</sup>)

**Maximum Airflow:**  
5,500 cfm (9,344 m<sup>3</sup>/h)

Max Airflow @ Max Vacuum:  
2,215 cfm (3,763 m<sup>3</sup>/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, blower vacuum gauge and VR cyclonic baghouse cleaning with simple push button on/off controls.

**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 thick (.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.

**Standard Safety Features:**  
Body and rear door props, hydraulic check valves on all lift cylinders, back-up alarm and patented transfer case protection that prevents damage from shifting errors. Also provides 8-in air-operated relief valves with pendant control and an in-line, manual safety transmission.

**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 Stage: Two Combination Cyclone Baghouse Chambers Third Stage: Strainer

**Payload Capacity:**  
18 yd<sup>3</sup>

**Bag Cleaning:**  
Patented Vacuum Recovery Technology with reverse airflow cleaning.

- Popular Options:**
- Sludge pump offload
  - Dense-phase offload
  - High dump
  - Hi-Rail system
  - High dump with Hi-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:

\*Sound tested at 1,760 Blower RPM using the SAE J1372 test. Some items shown may be optional. Dimensions and weights are approximate and chassis dependent. Specifications subject to change without notice. Guzzler<sup>®</sup>, NX<sup>®</sup> and Robuschi<sup>®</sup> are registered trademarks of Vactor Manufacturing. Effective 01/11 © 2011 Guzzler Manufacturing, Inc. Patent Number: 6,887,290 B2 ISO 9001:2000, ISO 14001:2004.



NX



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**Fully utilized tank capacity** Guzzler's VR Technology keeps the baghouses clean so the airflow remains strong throughout the vacuuming process. This enables the debris tank to be more fully loaded than conventional trucks before stopping to dump material. The fully opening door and 50° dump angle ensures quick unloading of the 18 yd<sup>3</sup> debris tank.



**Ultra-quiet operation without the expense or weight of a shroud** Advancements in blower and silencer technology eliminate the need for a sound shroud. The new shroud-free NX is priced right and the lower overall weight improves fuel economy, too.



**Intuitive, simple controls for easy operation** All electrical and hydraulic solenoids are centrally located in an easy access manifold for quick troubleshooting and service access.

### PROVEN PERFORMANCE IN:

STEEL MILLS • RAILROADS • GLASS MANUFACTURING  
CHEMICAL PLANTS • CEMENT PLANTS • FOUNDRIES  
SHIPYARDS AND DOCKS • POWER GENERATING STATIONS  
METAL MINING • PHOSPHATE PLANTS • BRIDGE PAINTING  
GRAIN ELEVATORS • ALUMINUM PLANTS • OIL REFINERIES  
LIME AND COAL PLANTS • WASTE-TO-ENERGY PLANTS  
WATER AND SEWAGE TREATMENT PLANTS



# GUZZLER<sup>®</sup>NX

## GET THE JOB DONE FASTER WITH THE MACHINE THAT WON'T QUIT.

The revolutionary industrial vacuum loader that dominates the job site has been simplified to work even harder. The Guzzler NX now provides the same great quality and productivity you expect, combined with design improvements to create quieter operation and a new lower price, so you won't have to work so hard to own one.

The Guzzler NX is engineered for safe, easy operation from the inside out. Whether you need to tackle solids, dry bulk powders, liquids or heavy sludge, there's only one machine designed to clean them all, then clean up after itself with the patented Vacuum Recovery (VR) Technology.

Upgraded with a more powerful blower and the quietest operation in its class, the Guzzler NX provides total operator control over working speed, making it the most versatile machine on the market.

## THE GUZZLER NX. INDUSTRY-LEADING PERFORMANCE REMAINS ONE STEP AHEAD.

### Advanced Filtration System and Innovative Air Routing

To maximize efficiency and reduce overall truck weight, without sacrificing loading capacity, the cyclone and baghouses are configured together. An increased filter area and offline cleaning extend bag life while forcing carryover back to the debris tank.

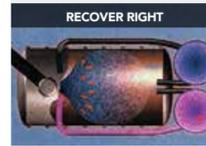
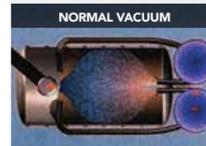
The seventy-two 70-inch bags provide a 4-to-1 air-to-cloth ratio – the lowest in the industry – which keeps the system clean and filtered for reliable performance and greater productivity.

The NX has the fewest leak points of any air mover, and has the lowest pressure drop across the filtration system of any machine.

### Quieter, More Powerful Blower

At the center of the Guzzler NX lies a Robuschi<sup>®</sup> blower, which has been time- and market-tested to deliver 5,435 (free air) CFM with vacuum capabilities up to 28-in Hg. This powerful blower from a globally respected manufacturer, combined with simple air routing, means more air available at the hose inlet and more material moved. The injection-cooled blower comes standard with integrated safety shutdowns. The larger blower allows you to load more material at a lower engine RPM, conserving fuel and reducing noise levels. The quietest vacuum loader in its class, the Guzzler NX has Tested Operating Sound Levels of 88.9 dB\* per SAE J1372 test.

## PATENTED VACUUM RECOVERY (VR) TECHNOLOGY PROVIDES LOW-MAINTENANCE OPERATION



**Designed for easier operation, VR technology incorporates automatic offline cleaning of the baghouse even during vacuum operations. Material is recovered into the debris tank while**

**continuing to load material at the hose. The Guzzler NX alternately reclaims carry over material from both the baghouse and cyclones**

**without stopping the workflow. Carryover material is automatically evacuated back to the debris tank at adjustable intervals for a self-cleaning system. The cleaning system is automatic and requires no activation by the operator. A manual override is included for applications that require forced cleaning.**

## INCREASE PRODUCTIVITY WITH MULTIPLE OFFLOAD OPTIONS

**With the widest selection of offloading options of any manufacturer, Guzzler is here to assist you in finding the right offloading solution for your needs.**

### HIGH DUMP BODY

A heavy-duty, telescopic, hydraulic cylinder lifts the debris body upward and slightly backwards for extra clearance, allowing for the dumping of material directly into roll-off boxes up to 54 inches high.



### DENSE-PHASE OFFLOADING SYSTEM

Dense-Phase Offload is designed for reclaiming vacuumed material and can pressure offload material back into the manufacturing process, or into silos as high as 120'. Adding this option to the Guzzler NX makes this the only machine that can reclaim and redistribute all of the material vacuumed.



### Smart and Stable Debris Body

For added safety, the standard 18 yd<sup>3</sup> debris tank uses six adjustable, maintenance-free over center locks to close the rear door and ensure reliable, leak free performance. During offloading, only the tank rises with a full opening rear door for increased efficiency, added safety and stability. Plus, all material is unloaded from the tanks so you don't have to worry about cleaning out dump tubes.

### Designed for Simple, Safe Operation

The Guzzler NX is intelligently designed with easily accessible control valves and filter components, clearly identified and individually grounded circuits, and solenoids located at ground level for ease and convenience during operation and troubleshooting. Patented VR technology eliminates the need to climb on top to clean, and the material return system doesn't have to be manually dug out upon overfilling the baghouse. Plus, disconnecting the pulsation hose is not required. Additional safety features include check valves on every cylinder and a ladder and catwalk for easy maintenance. During offloading, only the tank is raised, providing additional safety and stability.

### Quality for the Long Haul

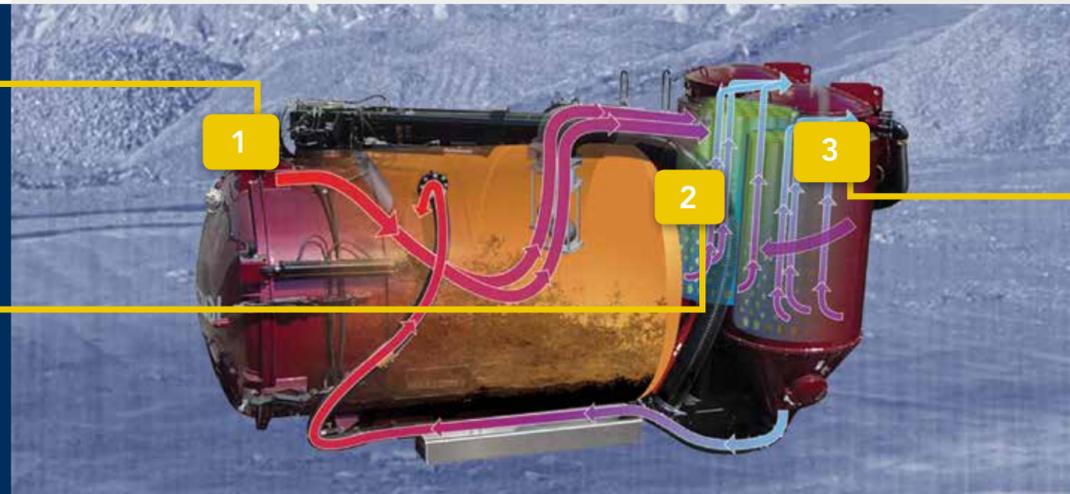
With a 30-year history of providing durable industrial vacuum trucks backed by FS Solutions centers nationwide, Guzzler products are made to last. A subframe provides added durability, improved weight distribution and less wear from torque on the chassis. With reduced gasket surface areas and chambers that don't share common walls, the Guzzler NX delivers great uptime with fewer leak points and less maintenance. You can do your job with confidence, knowing the Guzzler NX has a high resale value and low warranty claims.

## STAGE 1 - Debris tank

Debris enters through the rear inlet port and 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 exits the debris tank as two separate airstreams and moves toward the two combination cyclone-baghouse chambers.

## STAGE 2 - Cyclone/Baghouse

As the relatively clean air stream moves through the cyclone in a downward spiral, the remaining material is flung outward, hitting the cyclone walls, separating further from the air stream and moving down into the bottom of the chamber. The ten micron bags in the baghouse then capture any remaining fine particles.



## STAGE 3 - Strainer

The metal basket strainer catches any solid objects that can be dropped into the chambers during regular operation or during maintenance. The air moves from this 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.