



[www.vac-con.com](http://www.vac-con.com)



# HYDRO EXCAVATION PRODUCT GUIDE





At Vac•Con we develop  
products that clean and  
dig smarter through  
innovative design  
and manufacturing





## WELCOME

*At Vac•Con, we care deeply about the protection of the environment and our communities. That's one reason we build the equipment that we do.*

Our machines assist public and private entities in maintaining collection systems and treatments facilities, flood remediation and prevention, and non-destructive excavation. With proper maintenance and training, Vac•Con machines help protect the world's potable water supply and other important resources for future generations.

At Vac•Con, we aim to increase our customers' efficiencies and cost-savings by providing machine solutions that bring value to the job site... and the bottom line.



**Vac•Con has been making a positive impact on communities and environments around the world for over four decades.**



### Vac•Con rises above the competition for the following reasons:

**Tailored Innovation** – Vac•Con has a reputation of innovation that is cultivated by a mission to exceed customer expectations. We’ve developed many firsts in the industry such as the dual engine machine, 3-stage fan, hydrostatic drive systems, hi-dump, Omnibus Precision Power, the articulating hose reel, plastic water tanks, the Aeroboost Fan, and the Precision Reel Operation (PRO) hose reel. We are committed to introducing new and improved products each year to better improve operator ergonomics, machine performance, and overall aesthetics.

**Delivery** – Vac•Con is known for the ability to build and turn a machine around faster than any other competitor. When a customer has a rush order or needs a unit by a certain date, Vac•Con will have ‘wheels on the ground’ before or by that date. We can meet these deadlines due to exceptional relationships with vendors and suppliers as well as a plentiful stock of pool chassis available on-site at the manufacturing facility.

**Support** – From engineering, sales, parts, and technical service, once a Vac•Con customer, always a Vac•Con customer. Our teams provide personal, unparalleled product and sales support with expert knowledge from the field and the manufacturing facility. In addition, Vac•Con is supported by a worldwide network of dealers that provide front line parts, service, and sales support daily.

**Product Offering** – Vac•Con offers a complete portfolio of combination, hydro-excavation, and jetter equipment in truck, trailer, and skid-mounted configurations. We boast one of the most comprehensive offerings on the market and continue to evolve and add products each year to meet customer needs and fill product gaps.

**Experienced** – Vac•Con started in 1986 with 12 employees and a network of representatives in the sewer and wastewater industry. We’re proud of our roots and the people that have grown us to where we are today.

**100% Employee-Owned** – Vac•Con employees have ownership in the operation, ensuring a culture of accountability and quality that can be seen in every unit. Our jobs are more than just a paycheck – they are an investment in our future, and we strive to be the best in the industry.

*From engineering, sales, parts, and technical service, once a Vac•Con customer, always a Vac•Con customer.*







Bringing value and efficiency to our customers' operations is the mission of our equipment.

## THE DNA OF VAC•CON HYDRO MACHINES

**Vacuum** – At the heart of our hydro excavation machines, Vac•Con has perfected the vacuum system. We offer positive displacement blowers and fan configurations to meet any requirement or application.

**Water** – Capacity and power are the most important factors regarding water for hydro-excavation machines. We offer a range of water tank capacities and jetting settings specifically tailored for the applications of every unit. We also understand the importance of reusing water and offer the most reliable, highest performing water recycling system on the market.

**Payload** – Bringing value and efficiency to our customers' operations is the mission of our equipment. For that reason, we offer a range of debris tank sizes and will work with you to custom configure a machine that legally meets your payload expectations.

**Filtration** – If the heart of our machines is the vacuum, then the circulatory system is filtration. To offer the most reliable, highest performing machines on the market, we have engineered filtration systems that effectively collect and separate particles before they can reach the vacuum system. In addition, we promote wet/vac operations to reduce dust production, extending the life of the vacuum system.

**Operation** – We know a machine is idle without an operator. For this reason, we prioritize improving operator efficiencies and ease-of-use across all our product lines. We're proud to be the innovators of some of the most user-friendly components on the market.



## THE INNOVATIONS BEHIND OPERATOR SATISFACTION

**Wireless Operation** – All Vac•Con machines are available with wireless remote-control operations, increasing operator efficiency and unit ease-of-use. Our wireless remotes offer operation at an extreme range and are designed to withstand the harshest conditions, water, dirt, and debris. An integrated battery ensures that your power source is protected from the elements and recharges by magnetics on your machine.

**Standard, Lightweight and PowerFlex Boom Options** – Vac•Con offers a range of boom offerings based on model, price, application, and operator preferences. Our standard booms are available in 6 and 10-foot models and 6-8-inches of vacuum intake hose. Our newest Lightweight Boom is available on X-Cavator models and features a boom rotation of 310-degrees. This boom can vertically lift 45-degrees and down 22 degrees for a huge range of motion. The PowerFlex Boom is a Vac•Con innovation that rotates 315-degrees, articulates 110-degrees, and lifts up to 34-feet. This boom telescopes out 8-feet for a reach of 28.5-feet from the truck and is top-mounted on the debris tank for front and rear maneuverability. PowerFlex is designed for a raking motion that allows operators to dig and trench without needing to move the machine.







## EXT

*The core purpose of the X-Cavator EXT is non-destructive, efficient digging.*

The Vac•Con EXT is designed to take on the harshest environments that operators venture into. Contractors and municipalities alike will discover that the EXT is built to exceed their demands.

High pressure water and powerful vacuum allows operators to locate, dig, and excavate without disturbing the surrounding job site or underground utilities.

- Most powerful excavator in the lineup
- Single cyclone with final cartridge style filter
- Wireless belly pack operation





# CXT

*There is no application too tough for the CXT.*

The CXT enables you to locate and safely excavate around delicate utilities without damaging them. Order yours with specific, powerful options to handle those crucial excavation jobs.

- Trenching
- Potholing / Daylighting
- Exposing underground utilities
- Water and sewer repairs
- Highway and street repairs
- Propane and gas tank remediation
- Long distance and congested area excavation
- Oil and gas distribution lines





# THE X-CAVATOR BRINGS EVERYTHING YOU NEED TO THE JOB SITE – INCLUDING EFFICIENCY AND SAFETY

\*ITEM ON DRIVER'S SIDE OF VEHICLE

## AS SHOWN:

- 1. PD Blower with Silencer \*
- 2. Cross-Linked Polyethylene Water Tanks
- 3. Corten Steel Debris Tank
- 4. Cyclonic Separator
- 5. Positive Seal Vacuum Breaker
- 6. 315-degree Rotating Boom Turret with Clean-Out
- 7. 7-ft. Extendable Boom - Below grade capability
- 8. Operator Control Cabinet
- 9. Aluminum Tool Boxes
- 10. Lazy Susan Piperack

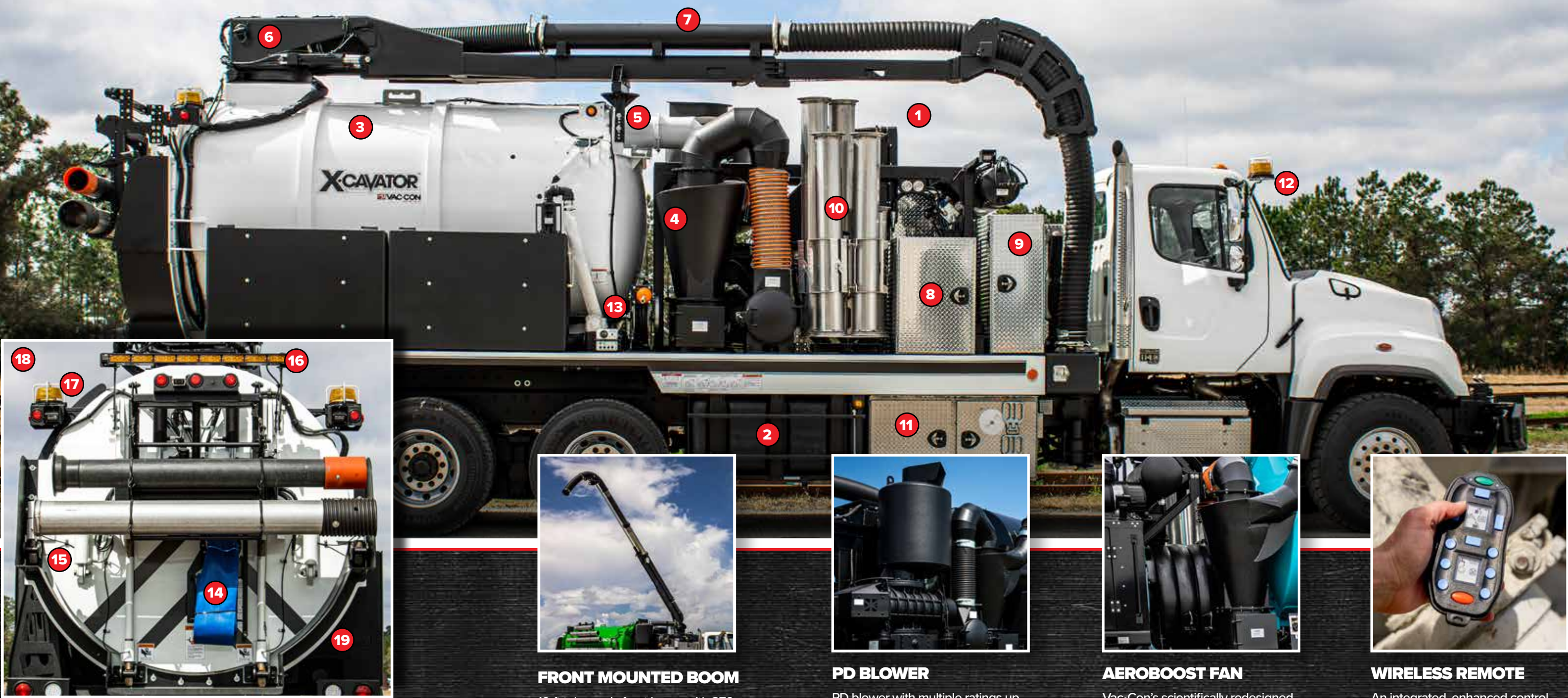
- 11. Water Pump Cabinet with 100-ft. Retractable High Pressure Handgun Hose Reel
- 12. Safety Lighting
- 13. 50-ft. Retractable Low Pressure Handgun Hose Reel

## FLAT REAR DOOR:

- 14. 6-in. Knife Valve
- 15. Flat Rear Door with Hydraulic Locks
- 16. Arrow Board Lighting
- 17. Strobe Light
- 18. Service Platform with Ladder \*
- 19. Splash Shield

## OPTIONS:

- A. Hydraulic Pump Off (200-575 GPM)
- B. Debris Body Flush Out
- C. Vibrator
- D. Air Compressor
- E. Steel Elbow
- F. 3-Stage Vacuum Compressor
- G. Front-Mounted Boom
- H. 3-yd. to 15-yd. Debris Tank
- I. 500 to 1,500-gal. Water Capacity



## FLAT REAR DOOR

Flat-style rear door features a 6-in. knife valve, arrow stick lighting, and splash shield.

## FRONT MOUNTED BOOM

10-ft telescopic front boom with 270 degree rotation available with our tungsten infused carbide elbow.

## PD BLOWER

PD blower with multiple ratings up to 27" Hg and 5,400 GFM.

## AEROBOOST FAN

Vac-Con's scientifically redesigned intake and fan housing results in a balanced airflow, decreasing turbulence and noise while increasing power, and reliability.

## WIRELESS REMOTE

An integrated, enhanced control system that vastly improves usability and efficiency.

SOME COMPONENTS SHOWN ARE NON-STANDARD





# MXT

*The MXT is an economical, truck-mounted hydro excavation machine built for simple operation.*

The Mudslinger MXT is your answer for municipal fleet solutions. Derived from our military / municipal specifications, this unit is available in a range of options to take on the tasks of government departments.

The simple design and configuration make it easy for operators of all skills levels without sacrificing power or performance known from Vac•Con units.

- PD blower or fan configurations
- Debris tank dump of 50 degrees
- Automatic vacuum breaker and overflow protection





# MUDSLINGER

*The Mudslinger trailer-mounted vacuums combine a high-pressure low flow water jet system with a high-performance industrial vacuum.*

The Mudslinger is designed and manufactured for the power of portability to an impressive line of truck-mounted combination machines, excavators and industrial machines - all accessible through the extensive Vac•Con dealer network. The Mudslinger provides the same rugged construction, quality and field-tested durability that both Vac•Con and Vector owners have relied upon for over three decades.

The Mudslinger can be configured to meet your specific demanding requirements.

- Tooling rack
- Fully opening dump door
- Anti-freeze system
- Available in a non-CDL chassis mounted version





HYDRO SPECIFICATIONS

At Vac•Con we pride ourselves on building machines that are custom built to fit the needs of our customers. As a result, Vac•Con wins out on value, performance, and reliability every single time.



EXT <i>Hydro Excavation Truck</i>						
Axle Setup	Vacuum Type	Filtration Type	Water Capacity / Pump	Debris Capacity	Dump Angle / Height	Rear Door Type / Locks
Tandem with Lift Axle	PD Blower	Cyclonic Separator — PD Blowers Include Final Filter	1,500 Gallons — 20 GPM 4,000 PSI	12  ( Cubic Yards )	50° Angle — 60" Height	Flat Industrial — Hydraulic Wedge Locks



CXT <i>Hydro Excavation Truck</i>						
Axle Setup	Vacuum Type	Filtration Type	Water Capacity / Pump	Debris Capacity	Dump Angle / Height	Rear Door Type / Locks
Single or Tandem	PD Blower or 3-Stage Fan	Cyclonic Separator — PD Blowers Include Final Filter	Up to 1,300 Gallons — 20 GPM 4,000 PSI	5, 10, 12, and 15  ( Cubic Yards )	50° Angle — 60" Height *	Flat Industrial — Hydraulic Wedge Locks



MXT <i>Hydro Excavation Truck</i>						
Axle Setup	Vacuum Type	Filtration Type	Water Capacity / Pump	Debris Capacity	Dump Angle / Height	Rear Door Type / Locks
Single or Tandem	PD Blower	Cyclonic Separator — PD Blowers Include Final Filter	Up to 1,300 Gallons — 11 GPM 2,200 PSI	5, 10, 12, and 15  ( Cubic Yards )	50° Angle — 60" Height *	Round — Hydraulic Cam Locks



Mudslinger <i>Hydro Excavation Trailer</i>						
Axle Setup	Vacuum Type	Filtration Type	Water Capacity / Pump	Debris Capacity	Dump Angle	Rear Door Type / Locks
Tandem	PD Blower	Cyclonic Separator — PD Blowers Include Final Filter	225 or 325 Gallons — 4 GPM 4,000 PSI	535 or 845  ( Gallons )	55° Angle	Round — Hydraulic Cam Locks

Boom Type / Rotation	Hose Reel Type / Spec	Wireless Remote	Dimensions Height / Length	Additional Options
7' Extendable — 310° Horizontally +45° / -22° Vertically	Retractable — 100' Capacity 1/2" High-Pressue	Available	Max Height: 13' 5" — Max Length: 40'	Boiler system, Heated boxes for all weather maintenance and operations, Electric vibrator, On-board storage, Safety lighting package, Safety camera package, Anti-freeze water pump system, Winter recirculation, Mainframe deck coating, Lateral line kit, Pump-off system, Nozzle storage box, Additional high-pressure hand gun hose reel, Air excavation

Boom Type / Rotation	Hose Reel Type / Spec	Wireless Remote	Dimensions Height / Length	Additional Options
7' Extendable — 310° Horizontally +45° / -22° Vertically	Retractable — 100' Capacity 1/2" High-Pressue	Available	Max Height: 13' 5" — Max Length: 40'	Front-mounted 10-ft telescopic boom, Boiler system, Heated boxes for all weather maintenance and operations, Electric vibrator, Safety lighting package, Safety camera package, Anti-freeze water pump system, Winter recirculation, Mainframe deck coating, Lateral line kit, Pump-off system, Nozzle storage box, Additional high-pressure hand gun hose reel, Air excavation

\* 60" dump height not available on 15-yard models.

Boom Type / Rotation	Hose Reel Type / Spec	Wireless Remote	Dimensions Height / Length	Additional Options
10' Telescopic — 270° Rotation	Retractable — 100' Capacity 1/2" High-Pressue	Available	Max Height: 12' 5" — Max Length: 40'	Boiler system, Heated boxes for all weather maintenance and operations, Electric vibrator, Safety lighting package, Safety camera package, Anti-freeze water pump system, Winter recirculation, Mainframe deck coating, Lateral line kit, Pump-off system, Nozzle storage box, Diamond plate package, Additional high-pressure hand gun hose reel, Air excavation

\* 60" dump height not available on 15-yard models.

Boom Type / Rotation	Hose Reel Type / Spec	Wireless Remote	Dimensions Height / Length	Additional Options
9' Telescopic with 2' Extension — 270° Rotation	Retractable — 50' Capacity 3/8" High-Pressue	Available	Max Height: 9' 5" — Max Length: 21' 5"	Boiler system, Electric vibrator, Safety lighting package, Anti-freeze water pump system, Winter recirculation, Lateral line kit, Pump-off system, Additional high-pressure hand gun hose reel



# ADDITIONAL INFORMATION

## Vacuum Options

**PD Blowers** are best used in applications dealing with liquids, sludge, or thick materials – vacuuming over a long distance horizontally. A PD has a finite lifting capability. Once a PD reaches its lift capacity, an operator must fluidize (add air) to continue conveying material to the machine.

**Centrifugal Fans** are capable of vacuuming material under water either with or without air induction. Fans work well moving liquids and solids at more than 100-ft. vertically or horizontally.

## Capacity Options

**Various Debris Tank Sizes** – It doesn’t matter what the job is, Vac•Con has a machine for you. With a full line of skid, trailer, and truck-mounted configurations, we can meet your debris tank requirements. Choose your debris tank size based on your application and environment, time needed out in the field, and payload requirements.

## Water Options

**Water Capacities** – Vac•Con offers users a range of water tank capacities to best fit their applications and job requirements. Water capacity may change the overall configuration of a unit, including going from a single to tandem axle chassis.

**Recycler** – Vac•Con boasts the best performing Recycler Combination Machine on the market. This component allows for 73% or higher reduction in freshwater usage depending on conditions. All components of our system are designed for recycled water use – no fast-moving water pumps or components re-purposed from freshwater systems. Coarser filtration allows for a greater range of operating conditions such as heavily sedimented and small or large diameter lines. The Vac•Con Recycler can use water from ANY source, including lift stations.

## Additional Options

**Noise Reduction** – The Vac•Con combination machine boasts a noise reduction of 8% compared to traditional combination machines. The Aeroboost 3-stage fan with Quiet Drive are revolutionary components that bring a multitude of benefits to operators, fleets, and communities alike.

**Temperature Controlled** – Vac•Con understands that operators are working in some of the harshest conditions imaginable. That’s why we offer various options for temperature-controlled enclosures for both operators and important machine operations. Many of our units have the option for climate-controlled cabinets for water and electrical systems.

Boilers can be added to many units, ideal for work in cold conditions and winterization kits are available on all products.

**Carbon Infused Tungsten Elbow** – Working in some of the harshest conditions imaginable, this elbow provides the extra strength and durability to get the job done.



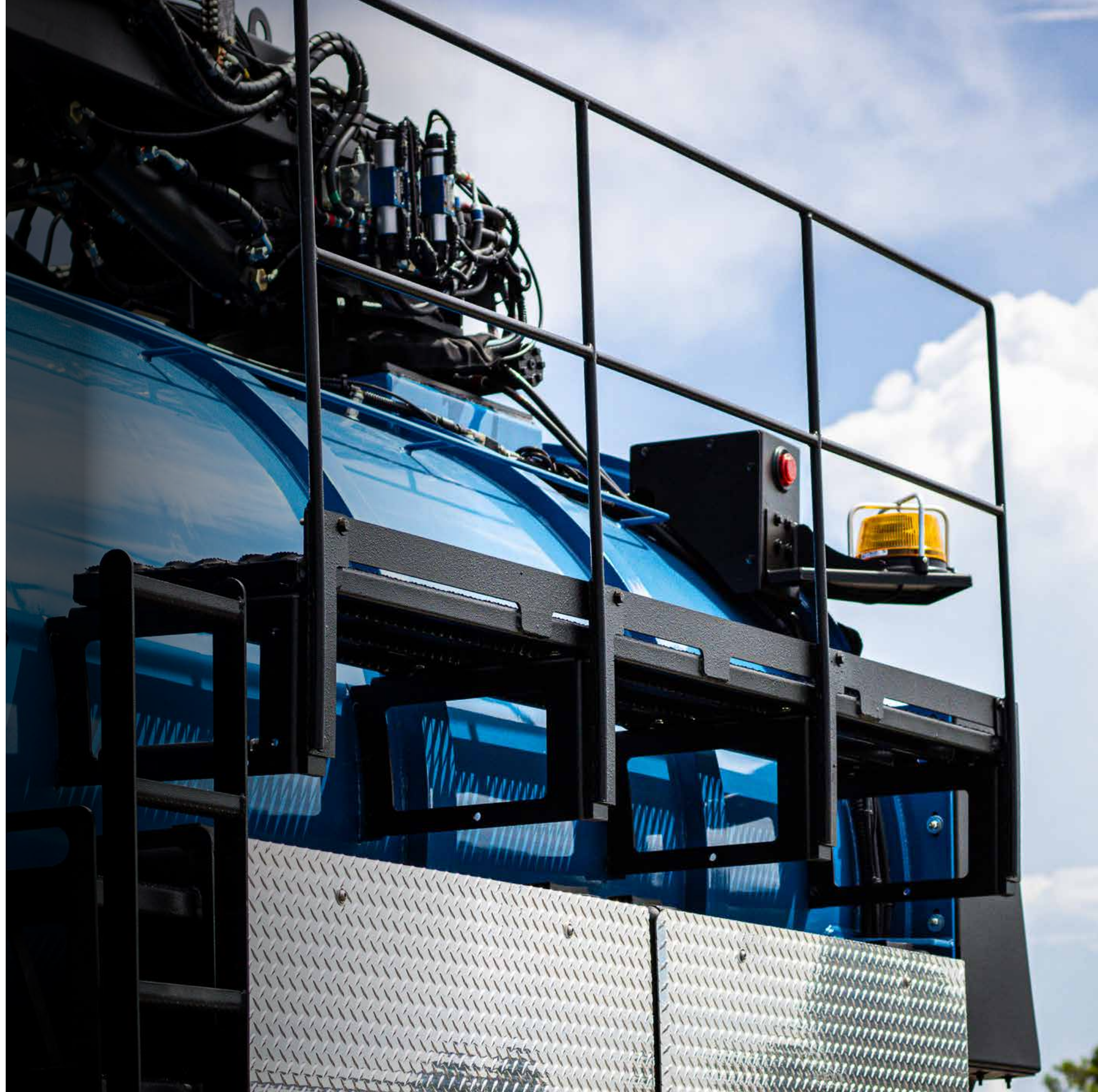
### Efficiency

**Fuel Savings and Operational Efficiency** – If fuel-savings and operational efficiency are your priorities, then the Vac•Con was designed for you. The Vac•Con hydro excavators have variable flow which allows operators to adjust the gallons per minute specific to the work at hand.

### Built to Your Needs

**Custom Comes Standard** – At Vac•Con we have over 40 years of experience in designing, manufacturing, and supporting combination, hydro-excavation, and jetter machinery. We work with our customers as consultants, helping you determine what machine will best suite your needs. With Vac•Con you will not be picking your next truck off the lot or compromising by picking from a few existing models... Your Vac•Con will be custom built just for you.

Plus, we are continuously innovating new solutions for our customers in an effort to provide them with a complete offering of reliable, high-performing products.







When it comes to the best environmental machinery solutions for any application, there is no comparison to Vac•Con.

As the proven experts in the industry since 1986, our product offering has been carefully designed, engineered, built, and tested to exceed expectations and bring value to our customers.

Not only do we build the best machines in the market, we provide unparalleled customer support for our equipment leading to lifelong relationships.

**Once a Vac•Con customer,  
always a Vac•Con customer.**





## **A WORLDWIDE NETWORK OF DEALERS**

While we build the best machines in the industry, our dealers build the best support network in the field. Our global, full-product-line network of dealerships has the expertise to guide you through any buying or servicing scenario... Wherever your work leads you, you are never far from a Vac•Con expert!



**To find a dealer near you, please  
visit our online dealer locator**

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