

VACTOR **2100**
Plus



VACTOR

VACTOR
WORK ASSURED

The Proven Leader. Reenergized.



Vactor celebrates over 40 years as your powerful sewer cleaning partner.

For over 40 years, Vactor® has been much more than a provider of equipment. We're a provider of solutions – doing whatever it takes to efficiently maintain and clean sewers whenever duty calls. We constantly search for new ways to make the job safer, easier and more efficient from beginning to end. That relentless search lead us to develop the Vactor 2100 Plus. Whether it's a Fan or Positive Displacement Model, every Vactor 2100 Plus is built to your exact needs with quality-tested components and backed by the most experienced dealer network in the industry. Those who know sewer cleaning know who to count on when the rain is falling and the waters are rising. They know the proven powerful partner, Vactor.



CUSTOMIZED SOLUTIONS

- Vactor is one of a handful of companies to offer both PD and Fan platforms.
- Once our team helps you select the platform that is right for you, your Vactor will be built to your exact specifications.
- Our exclusive Modul-Flex design process allows us to configure the unit modules to your specific needs, including optional features.

POWERFUL SUPPORT

- Available during the entire life of the product, Vactor offers a facility dedicated to training you and your team on the usage of your Vactor equipment.
- With your new Vactor comes an entire team of factory-trained service experts to ensure the very best in maintenance and repair for absolute peace of mind.

UNMATCHED QUALITY

- We introduced the 2100 Series over 20 years ago, which continues to set the standard in the industry today.
- Vactor products are painted prior to the assembly process, tested to ensure quality and proudly assembled in the U.S.A. using only the finest materials.
- Vactor is an ISO 9001 certified company.



MAKING THE BEST EVEN BETTER.

ALL-NEW, ADVANCED ELECTRONICS

Our exclusive IntelliView™ electronic system with easy-to-read screen makes operation easier and safer thanks to its **diagnostic, troubleshooting and safety check capabilities**. From displaying the blower temperature to monitoring flow, pressure and system diagnostics, IntelliView saves time and money and helps keep operators safe. In addition, we now include more wireless functions such as e-stop which brings the unit to a safe condition, protecting both the operator and equipment, hose reel pay in and out and speed control as optional features.

SMARTER SYSTEMS FOR BETTER PERFORMANCE

As the industry innovator, Vactor 2100 Plus features a host of advanced systems that not only offer better performance, but also operate more efficiently. For instance, our **exclusive multi-flow system** allows you to set flow at a lower rpm, which results in better fuel efficiency without sacrificing performance. In addition, details such as a **lighter, more balanced fan design** (Fan Model) allow for superior airflow (20% increased vacuum pressure*), while a **revamped air-routing and filtration system** make getting the job done faster, safer and more efficient.

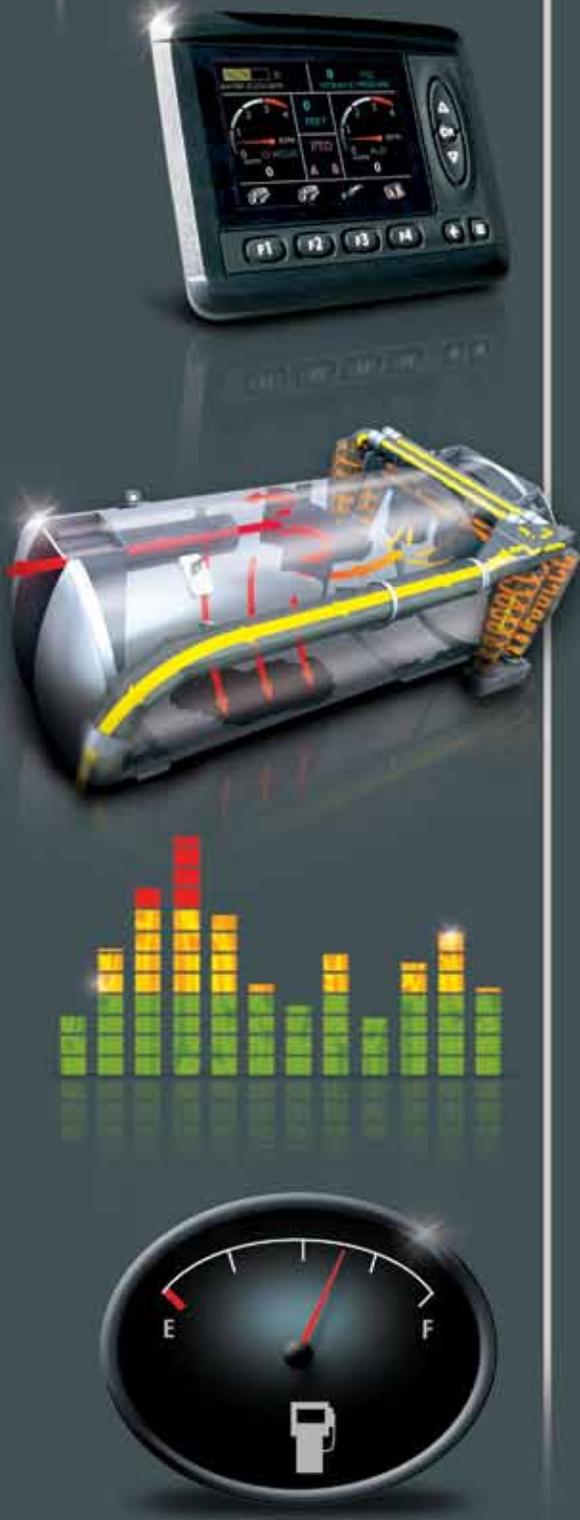
QUIETER, SAFER, EASIER TO USE

When you add up all the details – **quieter engine and water pump systems, new long-handle tool storage, higher ground clearance** to navigate through off-road obstructions, **twist-and-lock pipe storage** that's positioned lower on the truck, lower water fill point for operator convenience, as well as E-stops at all operator control points on the unit – it's easy to see how the Vactor 2100 Plus offers an overall better experience for the operator.

EVEN MORE EFFICIENT

With everyone looking to save on fuel costs, we made efficiency a top priority. That's why we've improved many of our systems – from the chassis engine to the fan and blower systems to the auxiliary engine – to provide you with the performance you want and up to **34% better fuel economy** than the current 2100 configuration. But the efficiencies don't stop with fuel. You'll use up to **10% less water** thanks to the revamped pump controls and nozzle technology.

*When compared to current two-stage fans.





SMARTER, TOUGHER AND MORE EFFICIENT. FROM FRONT TO BACK.

From big features such as our powerful Jet Rodder® Water Pump to small details like hand sanitizer dispensers in the tool boxes, we left no stone unturned when it came to making the Vactor 2100 Plus better than ever – and with more standard features than ever before.



A. Gathering all functions into one smart, centrally located system, our **all-new IntelliView display** provides diagnostics on the machine's readings, prevents operators from changing settings that may compromise safety, helps operators locate machine errors or issues and offers a troubleshooting tool to quickly diagnose fault codes or operational problems.

B. The **hose reel, nozzle storage*, tool boxes*** and **controls** are all located at the front of the unit for quicker access, increasing productivity and safety. In addition, the pivoting control arm and rotating hose reel create a flexible, expansive work area.

C. Rotating up to 180 degrees, our **fully hydraulic boom** allows you to place the vacuum hose in hard-to-reach areas. In addition, the hose reel telescopes forward and backward up to 15 inches to allow for cleaning multiple inlets without moving the truck.

~ Positioned to prevent back strain, our exclusive **twist-and-lock pipe storage** offers additional storage area and makes it easy to load and unload additional pipe – with no loose straps to worry about.

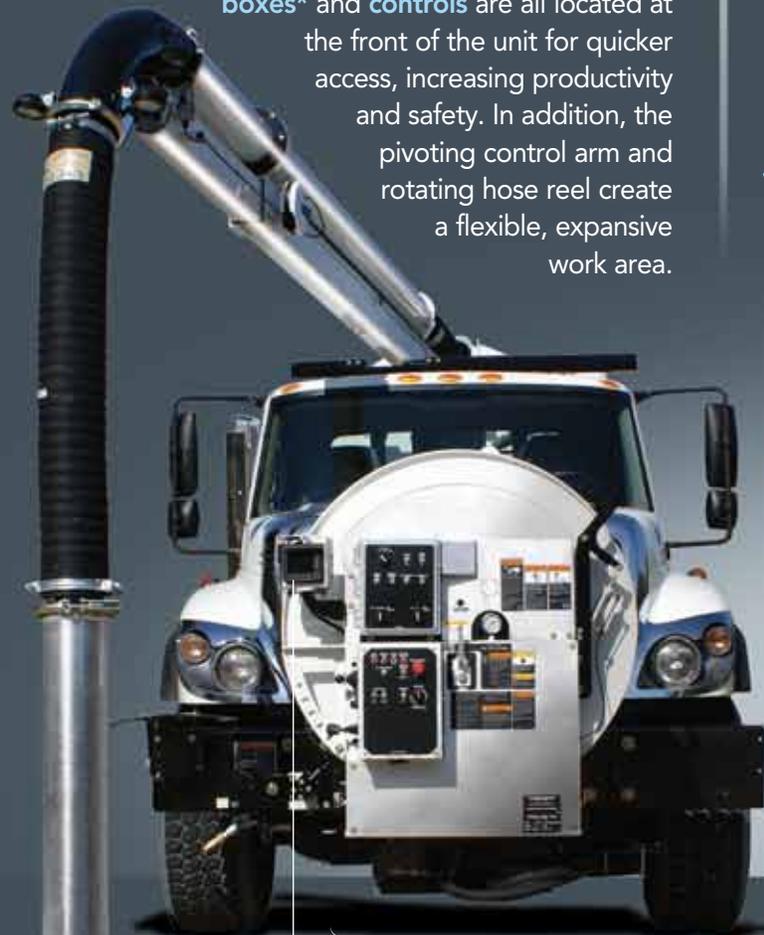


D. Depending on your specific needs, Vactor offers both centrifugal compressor (shown below) and Positive Displacement Models. Performing at greater depths with increased debris volume and velocity, our **fan vacuum system (D)** employs a lightweight, perfectly balanced 38-inch (965 mm) diameter aluminum fan for smoother, safer airflow, while its chrome-hardened impeller and 1/4-inch (6.35 mm) spun steel housing provide longer life. In addition, the vacuum is powered by a step-up transmission with helical gears for increased fan speed.

See page 5 for more information on our PD Model.

~ Allowing you to set water flow at a lower rpm than competitive models, our **exclusive multi-flow system** – now standard on the Vactor 2100 Plus – uses less fuel while simultaneously helping you clean more effectively.

C



~ New ergonomic access to the **ultra-quiet auxiliary engine** allows for easier engine maintenance. (Fan Model only)

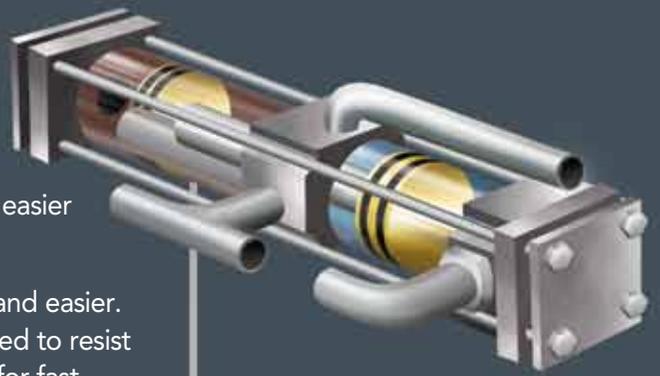
E. New, repositioned **water fill** makes refilling the water tanks quicker and easier. And even though our exclusive **aluminum water tanks** are constructed to resist corrosion and cracking for up to 10 years, its modular design allows for fast replacements – getting you back on the job as quickly as possible.

F. Our unique **debris body design** shields the operator from potential contamination and allows maximum separation of materials in a variety of payload offerings.

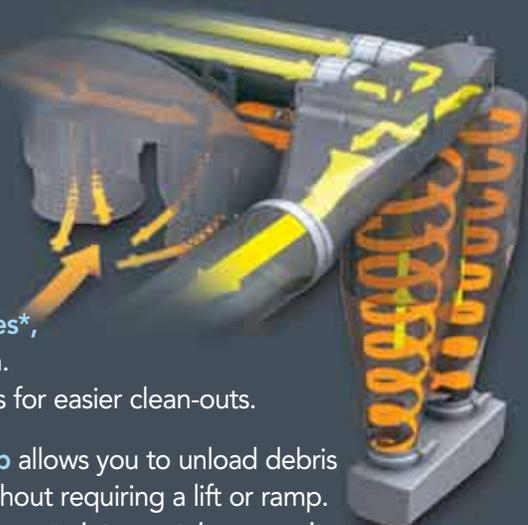
~ The rear-mounted **float balls and screens** protect the operator from debris exposure, while the **float cages** are easily removed without tools for cleaning and inspection.

G. To accommodate the increase in air-routing performance, we've enhanced the **centrifugal cyclones***, which in turn improve air filtration. Plus their new rear location allows for easier clean-outs.

H. Our **standard 60-inch high dump** allows you to unload debris into roll-offs up to 5-feet high without requiring a lift or ramp. This allows your cleanup crew to empty into containers on-site, which results in fewer vehicle trips, saving you time and fuel costs.



Designed specifically to clean sewers, our **exclusive Jet Rodder Water Pump** utilizes a slow pump stroke to deliver maximum, continuous flow and pressure with minimal wear. This jackhammer action provides optimal cleaning capability, and since the pump is hydraulic and utilizes a single piston, no belts or other breakdown-prone components are required. If any maintenance is needed, however, its side-mounted position allows for easy access.



F G H

D

E

VACTOR 2100 PLUS POSITIVE DISPLACEMENT (PD) MODEL

If your job calls for PD technology as opposed to a fan vacuum system, our PD Model offers all of these features and more.

Our **PD blower** is chassis-driven directly through a 475 hp continuous-duty transfer case. This not only boosts efficiency and reliability, it also eliminates belts, pulleys, clutches, driveline slip and maintenance. An inlet volume of up to 5,000 cfm and 18 Hg significantly increases the velocity pull at greater working depths.

The most productive of its kind, our **multi-stage blower filtration system** features dual air ports which maximize material separation in the debris body, stainless steel ball shutoffs to prevent liquid debris carryover, centrifugal cyclones, which remove escaped particles and condensation, and stainless steel screen strainers which protect the blower from particles as small as 750 microns. Operators have convenient and quick access to the filter screens and quick release pins to remove the float ball screens. The cyclone dump chutes are at the rear of the unit, making the Vactor 2100 one of the most user friendly combination units available.



Operator-Friendly Valve Station



Easy Access to Filter Screens



OPTIONAL FEATURES

Over 100 precision-engineered safety and productivity enhancements including:

- Cold weather recirculation system
- Liquid debris pump-off system
- Debris flush-out system
- Fail-safe hydraulic door – locking system
- Water tank capacity up to 1,500 gal (5.678 L)
- Pump delivery system up to 120 gpm
- Hose reel capacity up to 1,000 ft (305 m)
- Accumulator
- Dual-stage centrifugal compressor
- Dual boom controls
- Automatic hose level wind guide



Wireless Belly Pack

- Allows remote operation and access to diagnostics readings
- Provides multiple control functions, including hose reel control, boom control, e-stop and more
- Easy to use, while increasing safety and efficiency



Armor Belt Series Hoses

- Patented polymer belting specifically engineered for today's extreme conditions
- Exterior cover offers twice the protection of a standard thermoplastic hose cover to eliminate cover peel, cutting and crushing
- Unique design also reduces hose drag while moving through the pipe
- Integrated locator wire inside of the hose allows you to track the hose location within the pipe



Vactor OEM Nozzles

- A complete line of penetrating, flushing, spinning and cutting nozzles deliver the right type of performance, all at an economical price
- Designed for a wide range of pipe diameters, run lengths and applications
- Crafted from low-carbon work-hardened steel with a corrosion-resistant coating that is harder than stainless
- Interchangeable, wear-resistant tungsten carbide inserts yield a longer nozzle life



HydroExcavation Kit

This valuable product enhancement allows for more utilization of the equipment by providing a factory installed and purpose build hydro excavation kit on the combination sewer cleaner. The owner then has the capability to safely excavate or locate without damaging buried utilities. Our factory installed kit adheres to industry accepted practices.



5 X 5 Boom

The 5 x 5 boom telescopes outward five feet and allows the hose to move downward an additional five feet, providing a dramatic increase in boom coverage and reducing tear down and set up between catch basins while cleaning, enhancing productivity.



Safety Enhancements

Vactor offers a wide range of safety enhancements from hazard warning lights, directional arrowboards, backup cameras and more.

YOUR PARTNER
IN THE
PLANNING

YOUR PARTNER
IN THE
STREETS

YOUR PARTNER
INTO THE
FUTURE

Instead of one-size-fits-all solutions, we'll work with you to configure your Vector to meet your specific needs.



We're here to help you maintain your Vector and train your operators to ensure the job is done right.



Our dealers don't just sell you a Vector; they're here to answer your questions and get you back on the job as quickly as possible.



WARRANTY

The Vector 2100 series is warranted against defects in material or workmanship for a period of 12 months from the date of delivery to the original purchase, 5 years on the centrifugal compressor and 10 years on the water tanks. Optional extended warranty packages are available. Consult your Vector dealer for complete warranty information.



vector.com

Specifications subject to change without notice. Some products shown with optional equipment. Effective Date 01/11 P/N 00107-B ©2011 Vector Manufacturing. Federal Signal Corporation is listed in the NYSE by the symbol FSS. Vector is a subsidiary of Federal Signal Corporation.

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