

VACTOR **2100**  
*Plus*



**VACTOR**  
WORK ASSURED

# The Proven Leader



Vactor celebrates over 45 years as your powerful sewer cleaning partner.

For nearly 50 years, Vactor® Manufacturing has been the leader in building combination sewer cleaners with technological innovation and customized design. The latest series, the Vactor 2100 Plus continues to set the bar in the industry. Vactor however, is much more than a provider of equipment. We deliver solutions – doing whatever it takes to efficiently maintain and clean sewers. We search for new ways to make the job safer, easier and more efficient from beginning to end. That relentless search is what lead us to develop the Vactor 2100 Plus. Whether it's a centrifugal compressor (fan) or positive displacement (PD) 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 leader, 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 right for you, your Vactor will be built as a tailored solution.
- Our exclusive Modul-Flex design process allows us to configure the unit modules to your specific needs, including optional features.

## POWERFUL SUPPORT

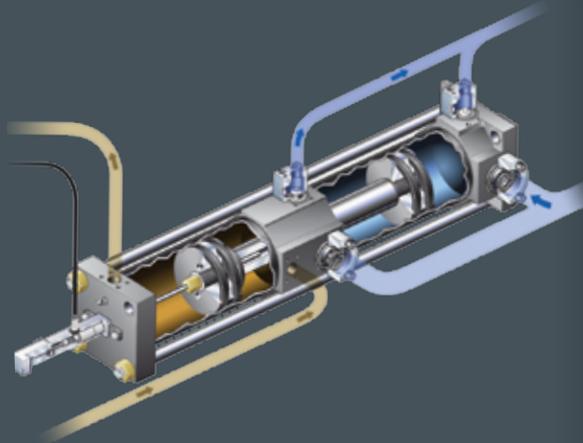
- Available during the entire life of the product, Vactor offers a facility dedicated to training you and your team on the usage of your Vactor equipment.
- With your new Vactor comes an entire team of factory-trained service experts to ensure the very best in maintenance and repair for absolute peace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

## UNMATCHED QUALITY

- We introduced the 2100 Series over 25 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.



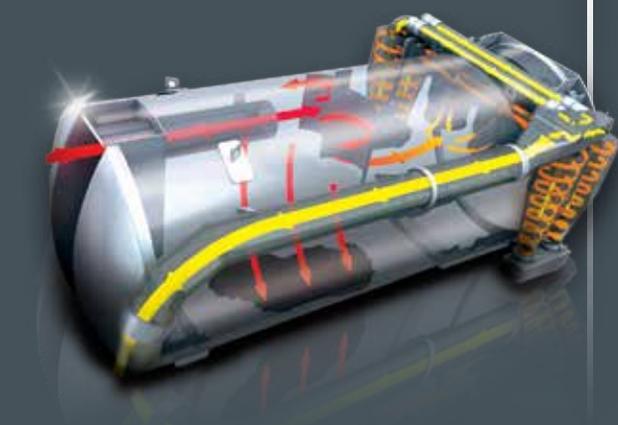
### JETRODDER® WATER PUMP UNIQUELY DESIGNED FOR SEWER CLEANING

- The Vactor water pump system offers industry leading certified flow of 0 to 80 GPM at a variable pressure up to 2500 PSI at the hose reel for the flexibility to clean any size line.
- Capable of smooth flow at the nozzle for general cleaning and root cutting. Activate the powerful "Jackhammer" action for long runs or difficult blockages.
- The Vactor JetRodder pump leads the industry in longevity and care free maintenance.



### EXCLUSIVE INTELLIVIEW® ELECTRONIC CONTROL & MONITORING SYSTEM

- The Vactor 2100 Plus incorporates the industry leading IntelliView(R) electronic control and monitoring system, conveniently located at the front hose reel.
- Real-time water flow, pressure, and hose footage are displayed on an easy-to-read monitor, as well as critical maintenance and engine information.
- The electronic control system ensures proper sequencing of functions to prevent misuse of the machine and provides an unmatched level of safety.
- Diagnostics built into the system make troubleshooting issues simple and intuitive.



### SMARTER SYSTEMS FOR BETTER PERFORMANCE

- Exclusive multi-flow system allows operator to set flow at a lower rpm, resulting in better fuel economy without sacrificing performance.
- Lighter more balanced fan design (fan model) allows for superior airflow and increased vacuum pressure.
- Revamped air-routing and filtration system get the work done faster, safer and more productively.



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



Conveniently Located JetRodder Water Pump



Exclusive Twist-And-Lock Pipe Storage



Standard 60 inch High Dump

- A. The operator's **comfort and safety** have been considered every step of the way. Functions such as **e-stops which bring the unit to a safe condition**, protect both the operator and equipment. E-stops are located at all operator control points on the unit. The **quieter single engine design**, JetRodder water pump system, **high ground clearance**, lower water fill point, and twist-and-lock pipe restraints all enhance the overall operator experience. Standard features such as adjustable hose reel pay-in/pay-out speed and exclusive Intelliview display add to the productivity and efficiency.
- 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. The hose reel can telescope up to 15 inches forward and rotate up to 270 degrees to allow for optimal hose reel positioning without moving the truck.
- C. Rotating up to 180 degrees, our **fully hydraulic boom** allows you to place the vacuum hose in hard-to-reach areas.
- D. Designed for easy access, our optional fold down pipe racks with patented\*\* **twist-and-lock pipe restraints** offer hassle-free pipe storage.
- E. Depending on your specific needs, Vactor offers both **centrifugal compressor (Fan)** (shown below) and **positive displacement (PD)** models.
- F. Allowing you to attack the toughest jobs, the standard multi-flow adjustable water pump control system allows the operator to match flow and pressure to the job requirements. Even at the lowest flows, the pump can produce without blowing over a relief valve like other water systems. This results in **less energy consumption** which translates into **lower fuel bills**.

See page 5 for more information on each model.



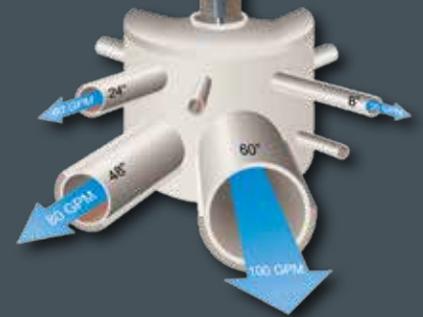
G. The water fill is located at a lower height, making filling the tanks easier and quicker. And even though our exclusive **aluminum water tanks** are constructed to resist corrosion and cracking for up to 10 years, its modular design allows for fast replacements – getting you back on the job as quickly as possible.

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

~ The float balls are located at the rear of the body for industry-leading material separation and easy cleaning during dumping.

I. To accommodate the increase in air-routing performance, Vactor's true **centrifugal cyclones\***, improve air filtration. Plus their rear location allows for **easier clean-outs**.

J. **Standard 60 inch (1524 mm) high dump** allows you to unload debris into roll-offs up to 5 feet (1.524 m) high without requiring a lift or ramp. Your cleanup crew can empty into containers on-site, which results in fewer vehicle trips, saving you time and fuel costs.



Multi-Flow System with E-Stops

H I J



F

E

G

D

\*Optional Equipment

# POSITIVE DISPLACEMENT (PD) MODEL

If your job requires pulling material long distances, positive displacement (PD) technology is more appropriate.



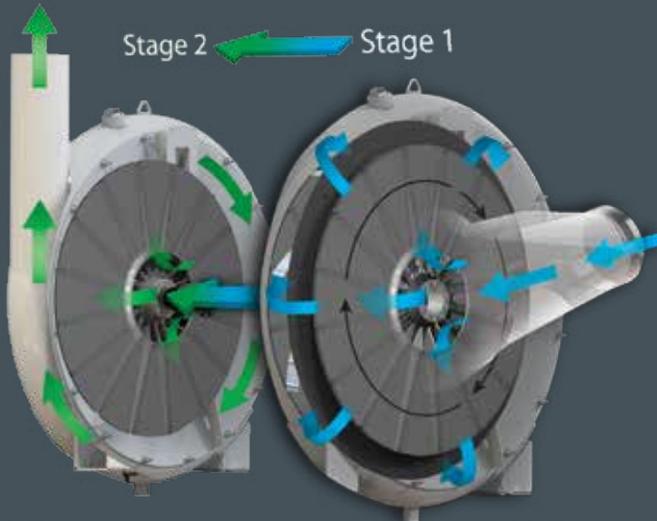
Vactor's PD blower is driven directly through a split shaft transfer case rated for 500 hp. With blower offerings providing inlet volumes in excess of 5000 CFM and 18 Hg vacuum, Vactor can provide the machine to tackle your deepest pulls.

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 to remove escaped particles and condensation, and stainless steel screen strainers to 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.

# SINGLE ENGINE, SINGLE OR DUAL STAGE FAN MODEL

For all around sanitary and storm sewer cleaning, Vactor's fan system may be the right choice. Whether equipped with a single or dual (for greater vacuum) fan system, the lightweight, perfectly balanced aluminum fan provides superior performance to meet your toughest jobs. The patented\* fan(s) with chrome-hardened surfaces is contained inside a 1/4 inch (6.35 mm) spun steel housing providing an unmatched service life.

Like the PD model described above, the fan model features a single engine design that takes advantage of the unused power available in the chassis engine. A closed loop hydrostatic drive system powers Vactor's fan system. The unique control system minimizes energy consumption while maximizing performance.



## SAME GREAT FAN SYSTEM, SINGLE ENGINE DESIGN:

**SIMPLE** – The front operator control panel has two selector switches for the fan drive: 1. Fan On/Off 2. Fan Mode: Low/Medium/High.

**DURABLE** – The hydrostatic drive components have been aggressively sized to maximize the life expectancy of the system. The fan drive system keeps the step-up transmission which results in a lower required hydraulic motor speed than competitive models (up to 6 times life expectancy when compared to competitive models – based on heavy use duty cycle).

**PERFORMANCE** – Our hydrostatic system offers the advantage of constant torque, resulting in consistent fan performance when compared to competitors. This results in fan performance you have come to expect from Vactor.

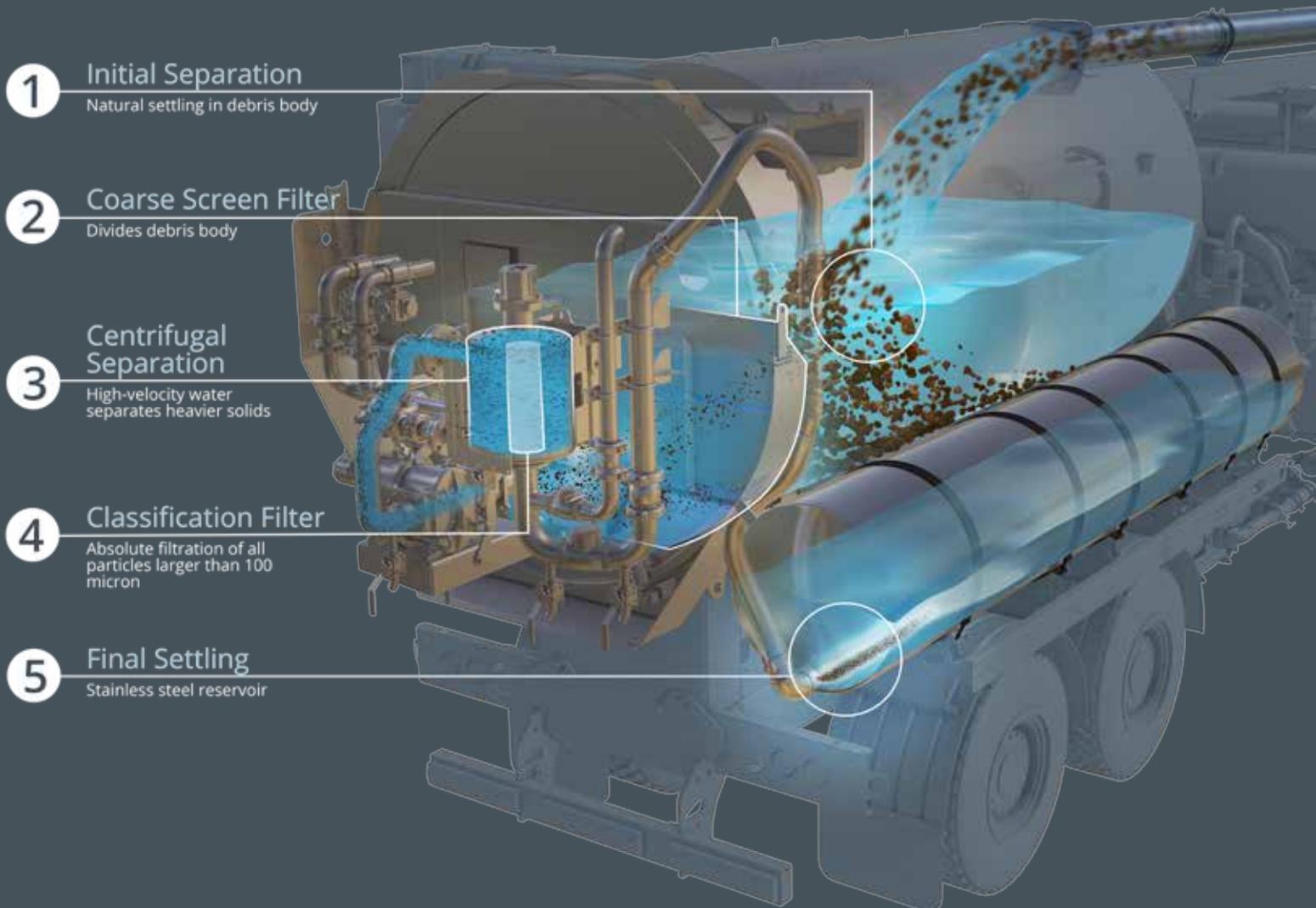


# WATER RECYCLING MODEL

AVAILABLE FOR THE VACTOR 2100 PLUS PD

The Vactor 2100 Plus\* water recycling system, proven to save thousands of gallons of clean water in every shift, includes these unique features:

- **ABSOLUTE** water filtration to 100 micron particle sizes - **ELIMINATES** most abrasive particles to protect the water pump, hoses, nozzles, and the sewer lines
- 5-Stage filtration system – system uniquely combines settling, centrifugal separation, and absolute filtration to 100 micron\*\*
- Simultaneous operation – Recycles water while cleaning lines
- All valves, filters, screens, and piping on the recycling system are stainless steel
- Self-Cleaning – The absolute classification filter is continuously cleaned automatically
- Simple to operate – System is highly automated to allow operator to focus on cleaning lines
- **NO** moving parts in the body or tanks
- **NEVER** a need to enter a body or tank to maintain the system components
- Uses the proven Vactor Jet-Rodder pump



**1** Initial Separation  
Natural settling in debris body

**2** Coarse Screen Filter  
Divides debris body

**3** Centrifugal Separation  
High-velocity water separates heavier solids

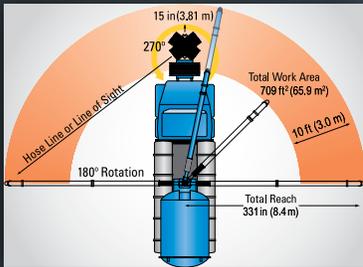
**4** Classification Filter  
Absolute filtration of all particles larger than 100 micron

**5** Final Settling  
Stainless steel reservoir

## OPTIONAL FEATURES

Over 100 precision-engineered productivity enhancements are available, 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
- Armor Belt Series hoses
- Vactor OEM Nozzles
- Safety warning lighting packages
- Hydro-Excavation Kits



### Boom Options

- The patented 5 x 5 boom\*\* telescopes outward 5 ft (1.524 m) and allows the hose to move downward an additional 5 ft (1.524 m), providing dramatic increase in boom coverage and reducing tear down and set up time while cleaning
- The 10 ft (3.048 m) telescoping boom (tube-within-tube, box beam-within-box beam) extends up to 10 ft (3.048 m) without affecting the vertical position of the pick-up tubes while enhancing reach and productivity



### Wireless Belly Pack

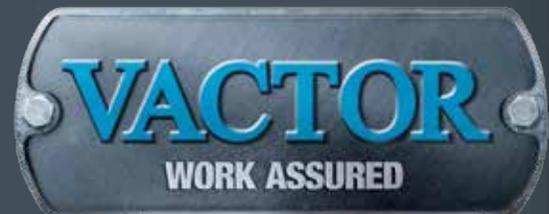
- Allows extensive operation away from the fixed operator station
- Provides multiple control functions, including hose reel control, boom control, e-stop and more
- Expands the value field of the operator leading to increased productivity

## WARRANTY

The Vactor 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, 2 years on the JetRodder water pump, 5 years on the centrifugal compressor and 10 years on the water tanks. Optional extended warranty packages are available. Consult your Vactor dealer for complete warranty information.



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\*\*Patent # U.S. 7,712,481 B1, D707,795 S, D616,468 S, 8,057,139 B2, 8,251,622 B2

Specifications subject to change without notice. Some products shown with optional equipment. Vactor® JetRodder® and IntelliView™ are registered trademarks of Vactor Manufacturing. Vactor is a subsidiary of Federal Signal. Federal Signal is listed in the NYSE by the symbol FSS.

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