

VACTOR[®]

Subsidiary of Federal Signal Corporation

ENGINEERED TO PERFORM BUILT TO LAST



SANSOM
Equipment Company

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SUPERIOR POWER AND PERFORMANCE GUARANTEED

Vactor, a Federal Signal company, is the largest manufacturer of sewer cleaning equipment in the world. What sets us apart is our commitment to quality, innovative design, superior performance, operating ease, and strong customer support. Together with our international dealers and partners we provide you with the powerful support and personalized service you need to get the job done.



OUR MODUL-FLEX® DESIGN LETS US ENGINEER THE IDEAL MACHINE FOR YOU

As a result of Vactor's unique, trademarked Modul-Flex design, your equipment is engineered and manufactured to meet your specific and most demanding applications. Modul-Flex offers you both accuracy and flexibility, and essential operational advantages:

- Provides for maximum debris body and water tank capacities while ensuring optimum weight distribution on every truck
- Helps you meet local axle load distribution standards and safety regulations
- Center of gravity is calculated for each truck to ensure a safe configuration with optimal weight transfer
- Includes our aluminum water tanks that are warrantied for 10 years, and are customized to the right sizes, capacities, and locations to meet specific chassis requirements

THE CLEANING POWER YOU NEED TO HANDLE YOUR TOUGHEST SEWER CHALLENGES

In all Vactor equipment models you will find rugged and innovative features that deliver the performance you need to handle your most demanding sewer cleaning tasks.

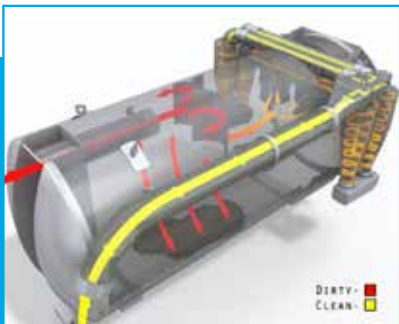
VACTOR'S JET RODDER® SINGLE PISTON WATER PUMP FEATURES A STANDARD 2-YEAR WARRANTY

Purpose-designed for sewer system cleaning and refined over 50 years of proven performance, our unique high pressure water pump gives you the power to break up even the toughest blockages. The Jet Rodder pump is a positive displacement, high-pressure, double acting, hydraulically operated, single piston pump specifically designed for sewer cleaning operations, whose design allows for configurations up to 100 gpm US (378 lpm) @ 2000 psi.

- Creates a powerful “jackhammer” action to assist the nozzle in breaking up and penetrating obstructions
- Run dry protection for 30 minutes certified by Vactor
- Powered from the chassis engine without the need of auxiliary engine or belt drive
- Operates at 14 to 25 cycles per minute (typical configurations in continuous duty operations)
- The pump location provides a flooded suction inlet to eliminate potential cavitation damage or the need for a charge pump
- Single moving part reduces wear and tear of pump components and maintenance costs



JET RODDER PUMP CONFIGURATIONS		
Flow and Pressure	Power Requirements	Hose Size
40 gpm @ 2500 psi / 151 lpm @ 172 bar	73 h / 54 kw	3/4" or 1" / 19 or 25.4 mm
60 gpm @ 2000 psi / 227 lpm @ 138 bar	88 hp / 66 kw	1" / 25.4 mm
60 gpm @ 2500 psi / 227 lpm @ 72 bar	110 hp / 82 kw	1" / 25.4 mm
80 gpm @ 2000 psi / 303 lpm @ 138 bar	117 hp / 87 kw	1" / 25.4 mm
80 gpm @ 2500 psi / 303 lpm @ 172 bar	146 hp / 109 kw	1" / 25.4 mm
100 gpm @ 2000 psi / 379 lpm @ 138 bar	146 hp / 109 kw	1 1/4" / 31.75 mm



OUR CORROSION- AND ABRASION-RESISTANT DEBRIS BODIES CAN WITHSTAND YEARS OF WEAR

- Cylindrical for maximum strength
- Material: 3/16" (4.7 mm) - single axle; 1/4" (6.4 mm) - tandem axle
- Volumetric capacities: 5 yd³ (3.8 m³) 10 yd³ (7.6m³) 12 yd³ (9.2 m³) 15 yd³ (11.5 m³)
- Mounted on an independent sub-frame separate from the chassis frame via a 3 point mounting system to allow flexing to occur without causing frame damage
- Standard dump height allows easy body dumping at transfer stations or on containers: single rear axle configuration: 48" (1.2 m); dual rear axle configuration: 60" (1.5m)
- Features a dumping angle of 50° via a double acting hydraulic cylinder
- Standard dual air ducting system equipped with dual stainless steel floating balls inside corrosion resistant cages as a safety shutoff system
- Abrasion resistant deflector plates divert the air stream to the bottom as part of the first phase of debris separation
- Includes a load level indicator
- Centrifugal separators (cyclones) (optional in certain models) aid in material separation and help to prevent the ingestion of 50 micron or larger particulate into the vacuum generator

ENHANCED OPERATOR EXPERIENCE

Quieter engine design

Lower water fill point



Hose reel telescopes out up to 15" and rotates up to 270° for optimal positioning

High ground clearance

Patented twist lock pipe restraints

VACTOR 2100i OFFERS YOU GREATER OPERATING EASE AND EFFICIENCY



Vactor's Multiflow system lets operators set the flow at a lower rpm resulting in better fuel economy without sacrificing performance



All water valves are located in the same mid-ship control station, reducing the amount of walking back and forth around the truck by the operator

VACTOR 2100i

INTUITIVE IN EVERY WAY.

NEW INTUITOUCH® ONE-TOUCH IN-CAB CONTROLS REDEFINE SIMPLICITY

- 7" touch screen control features back lit tactile buttons
- Includes controls and viewing screen for camera, lighting, recirculation and PTO/Transfer case activation
- One-Touch engagement to activate PTO and transfer case – allowing operators to gain control of all operational systems
- Operator can view the current operating mode, recirculation status, flows, pressures and more



NEW INTUITOUCH CONTROL STATION PUTS ALL CLEANING SYSTEM FUNCTIONS INTO A SINGLE, SIMPLE CONTROL PANEL

- Articulating controls with up/down adjustment for individualized maximum comfort – articulation allows the control panel to adjust on a 90 degree arc for better access and screen visibility while operating the hose reel and boom
- All controls are consolidated into a single control panel including a 7" dashboard screen with glove-friendly tactile buttons featuring at-a-glance data for water pressure and flow, hose footage, chassis RPM, vacuum information, water level*, debris tank level* and more

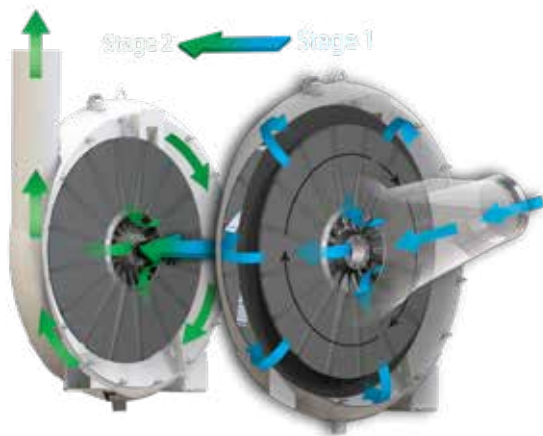


- New, reliable touch buttons with back lit feedback enable the operator to know if a selected function is active
- The hose reel joystick significantly improves response time and pays in and out in the direction of the hose reel
- The boom joystick has a telescoping feature built in, giving the operator full mobility with multiple direction boom movement for quicker set up
- Operators have full control of the water system via a single Multi-Flow control dial – enabling them to precisely match the flow and pressure to the job requirements
- E-stops located at all operator control points bring the unit to a safe condition to protect both the operator and the equipment

VACTOR 2100i COMES IN THE CONFIGURATION YOU NEED

OUR POSITIVE DISPLACEMENT (PD) MODEL IS IDEAL FOR PULLING MATERIAL LONG DISTANCES

With blower offerings providing inlet volumes in excess of 5000 CFM and 18 Hg vacuum, the Vactor 2100i PD is the machine you need to tackle your deepest pulls. In addition, our multi-stage blower filtration system is the most productive of its kind, and unique design features make the 2100i the most operator friendly unit available.



FOR ALL AROUND SERVICE, CHOOSE A SINGLE ENGINE, SINGLE OR DUAL STAGE FAN MODEL

Vactor's fan system is the right choice for all-around sanitary and storm sewer cleaning. Whether equipped with a single or dual (for greater vacuum) fan system, our lightweight, perfectly balanced aluminum fan provides superior performance to handle your toughest jobs. Our unique system also minimizes energy consumption while maximizing performance.

CENTRIFUGAL CYCLONES

Designed and located to improve air filtration and permit easier cleaning. The air enters the top side of the cyclone causing a vortex and any airborne particles to drop and be "dumped" with the rest of the load.



CUSTOMIZE YOUR 2100i WITH PERFORMANCE DRIVEN OPTIONS



RAPID DEPLOYMENT BOOM

Our revolutionary RDB boom telescopes 10 feet out and extends the debris hose down 15 feet speeding work, and, in many cases, eliminating the need for additional tubes, reducing operator fatigue. The RDB 1015 offers you:

- Dramatic reduction in set-up and tear-down time with boom's ability to pay-in and pay-out 15 feet of vacuum hose
- Reach greater depths without raising the position of the boom to enhance speed and efficiency
- The ability to work in areas of low overhead clearance without raising the boom and still reach needed depths



WIRELESS CONTROLS

Vector has enhanced its wireless controls with a belly pack and handheld remotes that feature two-way data transmission, including active pressure and flow information for the water and the ability to monitor hose footage being paid out or retracted. Our wireless controls also allow:

- Extensive operation with greater control away from the fixed operator station
- Multiple control functions including hose reel control, boom control, e-stop and more

OVER 100 PRECISION-ENGINEERED 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 gallons (5,678 L)
- Pump delivery system up to 100 gpm
- Hose reel capacity up to 1,000 ft. (305 m)
- Automatic hose level wind guide
- Safety warning lighting packages
- Hydro-Excavation Kits

VACTOR WATER RECYCLERS

CAN HELP YOU MINIMIZE COSTS AS YOU MAXIMIZE RESOURCES



You can maintain and repair sewer lines and save hundreds of thousands of gallons of fresh water every year with a Vactor Water Recycler. Beyond water savings, by eliminating the need to refill water tanks, you drive up productivity, cutting time, effort, and expense. Designed to work exclusively with our 2100i Series combination sewer cleaners, our Water Recyclers offer you:

- Continuous operation without stops
- 5-step water filtration process combining settling, centrifugal separation, and absolute filtration to 100 microns
- No need to enter the debris body for maintenance
- No moving parts inside the debris body
- Ground level access for washing coarse screen filter
- Automated back flush every 30 seconds
- Self-monitoring filter with low and high pressure shutdowns
- Water source selection—clean water, recycled water or both



5-Step Water Filtration Process

1. Initial Separation (inside the debris body by the deflector plates)
2. Coarse Screen Filter
3. Centrifugal Separation
4. Classification Filter
5. Final Settling

VACTOR SERVICE AND SUPPORT



VACTOR REBUILD PROGRAM

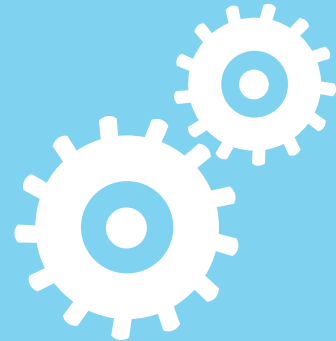
This comprehensive service program is designed to keep your Vactor equipment operating at top performance.

Including:

- An all-points vehicle inspection
- Genuine OEM replacement parts
- All work done by factory-trained technicians
- 10% parts discount
- Engineering improvements and retrofit options
- Equipment testing to factory specifications

PERFORMANCE UPGRADES

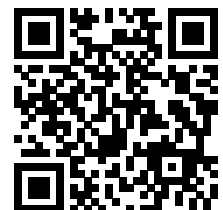
Your equipment represents a significant investment for your community or business. With our Performance Upgrades you can maximize the life, long-term value, versatility and performance of your equipment. Retrofit options include updates to add new safety, productivity and performance features.



OPERATOR, MAINTENANCE & SERVICE TRAINING

To help you and your team get the most from all the performance features we build into our equipment Vactor offers a comprehensive training program that includes hands-on classes on operation, maintenance and service.

LEARN
MORE



2100i SPECIFICATIONS

Model	2100i - FAN	2100i - PD
DESIGN	Exclusive Vactor Modul-Flex®	Exclusive Vactor Modul-Flex®
Air Mover	Single or Dual Stage Hydrostatic Fan	Roots / positive displacement
VACUUM RATING	--	Up to 18 in (457 mm) Hg
INLET VOLUME	--	Up to 5000 CFM
DRIVE	Chassis driven, direct drive	Chassis driven, direct drive
OMSI TRANSFER CASE	Hydrostatic	Direct driven off of chassis
FULLY HYDRAULIC BOOM	Proportional Boom Controls with 180° rotation	Proportional Boom Controls with 180° rotation
PICKUP HOSE	7" or 8" Diameter	7" or 8" Diameter
DEBRIS BODY CAPACITY	5 yd3 - 15 yd3 (3.8 m3 - 11.5 m3)	5 yd3 - 15 yd3 (3.8 m3 - 11.5 m3)
WATER TANK CAPACITY	1,000 gal - 1,500 gal (3,785 L - 5,678 L)	1,000 gal - 1,500 gal (3,785 L - 5,678 L)
WATER TANK CONSTRUCTION	Aluminum (10-year warranty)	Aluminum (10-year warranty)
WATER PUMP	Vactor Jet Rodder® Multi-Flow system	Vactor Jet Rodder® Multi-Flow system
WATER DELIVERY	60 gpm - 100 gpm at 2,000 psi - 3000 psi	60 gpm - 100 gpm at 2,000 psi - 3000 psi
PUMP ACTION	Continuous flow or Jack Hammer®	Continuous flow or Jack Hammer®
HOSE REEL	15" Telescope, 270° rotation 800 ft x 1 in capacity (244 m x 2.5 cm)	15" Telescope, 270° rotation 800 ft x 1 in capacity (244 m x 2.5 cm)
REAR DOOR	Flat, hydraulically opening with fail safe locks	Flat, hydraulically opening with fail safe locks
SMART TRUCK FEATURES	E-stops at all operator stations Flow / footage meters Smart messages	E-stops at all operator stations Flow / footage meters Smart messages
HAND GUN SYSTEM	35' of hose High Pressure Washdown gun	35' of hose High Pressure Washdown gun
CUSTOM CONFIGURATIONS		
Hose Reel	Up to 1,000 ft capacity (305 m)	Up to 1,000 ft capacity (305 m)
Multiple Boom Options	RDB 1015 10' Extendable Boom 10' Tele Boom 5x5 Boom	RDB 1015 10' Extendable Boom 10' Tele Boom 5x5 Boom
Axles	Single or Tandem Tri-Drive and Drop axles also available	Single or Tandem Tri-Drive and Drop axles also available
Controls	Wireless Belly pack Handheld Wireless Corded Pendant	Wireless Belly pack Handheld Wireless Corded Pendant
WATER RECYCLING AVAILABLE	NO	YES



OUR COMMITMENT TO QUALITY ONLY BEGINS WITH OUR EQUIPMENT

The Vactor 2100i is manufactured in an ISO 9001 certified, advanced industrial plant. We employ the latest technology to build the most reliable equipment, including high-precision laser cutters, robotic welding, efficient, accurate computer numerical controls, and a sophisticated powder coating system.

When you build a quality product you can back it up with a full one-year, unlimited hours warranty. Vactor also backs up your investment with superior local service and support. Our goal is to keep your machine—and your entire operation—up and running.

The 2100i can be customized to your unique requirements to meet local standards and regulations by means of a broad selection of configurations, options and accessories.

Through our international dealer network, we maintain a vast inventory of spare parts and offer fast shipment to any region of the world.

Altogether, the rugged, reliable Vactor 2100i is easy to operate, easy to maintain, and an easy choice when you are looking for quality equipment that is built to last.



VACTOR

BRINGING YOU THE POWER YOU NEED TO PERFORM

Vactor Manufacturing, the world leader in sewer cleaning equipment, with more than 20,000 specialty vehicles sold worldwide in the last 15 years, is part of Federal Signal, a leader in integrated solutions for governments and industries worldwide.

Our mission is to provide you with not only the best equipment, but the best aftermarket service and support in the industry. Together, we can offer you comprehensive operator training and a vast parts inventory to cut downtime and keep your operation up and running.



VACTOR®

Subsidiary of Federal Signal Corporation

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