Vactor's Advanced Options Enhance Productivity With Vactor's Advanced Options

- Highly reliable, 900 MHz, Wireless Remote Control System
- Hazardous situations can be responded to immediately with advanced signal processing
- License–free wireless control allows the operator to work outside the cab
- Improved job control – operators can get in, out and on to the next job even faster
- On-site and off-site training
- Operators can get the job done faster, safer and more efficiently than without it
- Operators work more productively, reducing wear and tear on themselves, the equipment, and the environment
- Designed to last through harsh conditions, the most efficient, high-performance cleaning system in the industry

Dimensions

<table>
<thead>
<tr>
<th>Model 2115</th>
<th>Model 2120</th>
</tr>
</thead>
<tbody>
<tr>
<td>GVWR</td>
<td>60,000 lb min. (27,216 kg)</td>
</tr>
<tr>
<td>AF</td>
<td>75 in min. (1,905 mm)</td>
</tr>
<tr>
<td>CA</td>
<td>174 in (4,419 mm)</td>
</tr>
<tr>
<td>WB</td>
<td>243 in (6,172 mm)</td>
</tr>
<tr>
<td>Tandem rear axle</td>
<td></td>
</tr>
<tr>
<td>Rated rear axle/tire rating</td>
<td></td>
</tr>
<tr>
<td>Rated front axle/suspension/tires</td>
<td></td>
</tr>
<tr>
<td>Liquid debris pump-off system</td>
<td></td>
</tr>
<tr>
<td>Multi-flow Jet Rodder® system</td>
<td></td>
</tr>
<tr>
<td>Exclusive Jet Rodder® Water Pump</td>
<td></td>
</tr>
<tr>
<td>Flex Drive Transfer Case</td>
<td></td>
</tr>
<tr>
<td>Positive Displacement</td>
<td></td>
</tr>
<tr>
<td>Vactor 2115 Positive Displacement</td>
<td></td>
</tr>
<tr>
<td>W 2115 m/a</td>
<td>W 2120 m/a</td>
</tr>
<tr>
<td>265 ft/min (77.1 m/min)</td>
<td>265 ft/min (77.1 m/min)</td>
</tr>
<tr>
<td>270 ft/min (82.3 m/min)</td>
<td>270 ft/min (82.3 m/min)</td>
</tr>
<tr>
<td>265 ft/min (77.1 m/min)</td>
<td>265 ft/min (77.1 m/min)</td>
</tr>
<tr>
<td>1,000 ft/min (305 m/min)</td>
<td>1,000 ft/min (305 m/min)</td>
</tr>
<tr>
<td>1,000 ft/min (305 m/min)</td>
<td>1,000 ft/min (305 m/min)</td>
</tr>
<tr>
<td>Vactor's commitment to the customer</td>
<td></td>
</tr>
<tr>
<td>Value-Added Services</td>
<td></td>
</tr>
<tr>
<td>Customized leasing and financial services</td>
<td></td>
</tr>
<tr>
<td>Genuine Performance Matched Parts™</td>
<td></td>
</tr>
<tr>
<td>On-time delivery</td>
<td></td>
</tr>
<tr>
<td>Factory-trained worldwide dealer network for assistance with service and warranty issues</td>
<td></td>
</tr>
</tbody>
</table>

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 purchaser; 1 year on the blower, 5 years on the debris tank and 10 years on the water tanks. Optional equipment and water capacity. Effective 10/04 P/N 00004D ©2004 Federal Signal Corporation. Specifications subject to change without notice.
Enhance Productivity With Vactor’s Advanced Options

High-Dump
• Full rear splash shield
• Provides 66 inches of clearance
• Tilts up to a 50-degree dump angle without needing a lift or ramp

Vactor's Advanced Options
Enhance Productivity With

• Highly reliable, 900 MHz, Wireless Remote Control System
• Control the blower from Hot-Shift Transfer Case
• Hazardous situations can be responded to immediately with an emergency shutdown feature
• Improved job control – operators have an enhanced view of the job
• Operators can get in, out and on to the next job even faster
• Permanent 900 MHz control
• Engine and transmission wear are reduced
• Blower won’t engage, or consume fuel, when it's not necessary

3700 Series machines offer Vactor’s proprietary system of integrated components, specifically designed for sewer cleaning applications. These components work together to deliver maximum cleaning power and efficiency where it counts, at the worksite.

Exclusion Jet Rodder® Water Pump
• Juli® pump; center drive design and hydraulic drive for longer life and less maintenance
• Lanced 100% before the main supply for greater power and efficiency

Teleconveying, Rotating Hose Reel and Hydraulic Boom
• Boom and reel work together to ensure outstanding maneuverability and productivity
• Allow mixing of multiple solutions without relocating truck
• Contains leak detection and solvent flushing
• Optional mast stops helps prevent contamination on the worksite, instead of the worksite

Fiber Optic Telescoping Hose Reel
• Excellent maneuverability and productivity
• Low-profile design provides outstanding maneuverability and productivity
• Maintains better hose kink resistance
• Flexible, low-friction control
• Hose is higher in durability, lasts up to 5 years longer than hose

High-Performance Nozzle (Option)
• Optimizes water and pressure use (more than 22% more efficiently than standard nozzles)
• Chemically moderated productivity, reduces member of raw, mane and lead contamination
• Enables a 3 to 10 lb. lower force on the worksite, higher performance cleaning systems for the industry

Dimension Specifications
Note: Dimensions are dependent on chassis options, optional equipment and water capacity.

Vactor 2100 Series Positive Displacement

<table>
<thead>
<tr>
<th>Basic Model</th>
<th>2100</th>
<th>2110</th>
<th>2115</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow Rate</td>
<td>100</td>
<td>150</td>
<td>200</td>
</tr>
<tr>
<td>Rated Horsepower</td>
<td>250</td>
<td>300</td>
<td>350</td>
</tr>
<tr>
<td>Rated Torque</td>
<td>300</td>
<td>350</td>
<td>400</td>
</tr>
<tr>
<td>Rated RPM</td>
<td>1800</td>
<td>1800</td>
<td>1800</td>
</tr>
<tr>
<td>Efficiency</td>
<td>90%</td>
<td>90%</td>
<td>90%</td>
</tr>
</tbody>
</table>

Addendum Services
Value-Added Services

• Factory-trained worldwide dealer network
• Genuine Performance Matched Parts™
• On-time delivery

Warranty

• 5 years on the blower, 5 years on the debris tank
• 90 days on the nozzles, 1 year on the water tanks, 3 year on the blower, 10 years on the water tanks. Optional extended warranty packages are available. Consult your Vactor dealer for complete warranty information.

For Vactor Data in:

www.vactor.com
(815) 672-2779 Fax
(815) 672-3171 Phone
Streator, Illinois, U.S.A. 61364
1621 South Illinois Street

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Specifications subject to change without notice.

Rated Rear Suspension
24,500 lb min. (11,113 kg)
Rated Rear Axle/Tire Rating
23,000 lb min. (10,433 kg)
Rated Front Axle/Suspension/Tire Rating
18,000 lb min. (8,165 kg)
GVWR
41,000 lb min. (18,598 kg)
WB
243 in (6,172 mm)
Tandem Rear Axle
Positive Displacement
Vactor 2110
Positive Displacement
Vactor 2115
Positive Displacement
Vactor 2100
Positive Displacement
Vactor 2105
Positive Displacement
Vactor 2110
Positive Displacement
Vactor 2115

Federal Signal Corporation is listed on the NYSE by the symbol FSS.
Effective 10/04    P/N 00004D

Over 100 precision-engineered safety devices and technology to reduce injuries and enhance productivity.
All of the many options are available and available for a period of 12 months from the date of delivery.
If your product is not delivered on time, your dealer will be notified and the dealer will be informed of the delivery start date.

Vactor’s commitment to the customer continues long after the sale.
Maintenance is available at no cost for 2 years or 2,000 hours, whichever comes first.
If your dealer is not willing to provide the service, you have the option of having Vactor provide the service at an agreed upon rate.

Note: These information are dependent on chassis options, optional equipment and water capacity.

Special Features
• Customized leasing and financial services
• Genuine Performance Matched Parts™
• Factory-trained worldwide dealer network
• On-time delivery
• Light-duty wheeled non-tilting nozzle for maximum maneuverability
• Fail-safe hydraulic door locking system
• Debris flush-out system
• Liquid debris pump-off system
• Cold weather recirculation system
• Multi-flow Jet Rodder® system
• Vactor Water Pump
• Single-piston, slow-stroke design and hydraulic drive for longer life and less maintenance
• Lanced 100% before the main supply for greater power and efficiency
• 90% efficiency

Wireless Remote Control System
• High reliability, 900 MHz, Wireless Remote Control System
• Advantages: no wires, no conduit or tubing, no need to wear a harness
• Operators can get the job done, saving money, time and resources, especially in tight spaces
• Improved Light-duty wheeled non-tilting nozzle for maximum maneuverability
• Commonwealth of Kentucky has successfully utilized our products in a demonstration project with the Department of Transportation.

Volume Specifications
Accumulator
Water Tank Capacity
Hose Reel Capacity
Pump Delivery Systems
Fail-safe Hydraulic Door Locking System
Debris Flush-out System
Liquid Debris Pump-off System
Cold Weather Recirculation System
Multi-flow Jet Rodder® System
Vactor Water Pump
No cavitation
and less maintenance
and productivity
and maneuverability
and maintenance
and productivity
and productivity
and productivity
and productivity
and productivity
and productivity
**The World’s Most Powerful Cleaning System**

- Dumps debris into roll-offs five-feet high
- High-Dump
- Full rear splash shield
- Provides 66 inches of clearance
- Tilts up to a 50-degree dump angle without needing a lift or ramp

**Vactor’s Advanced Options**

Enhance Productivity With Vactor’s Advanced Options

**High Pressure Nozzle (Option)**
- Concentrates waterjet power into precise 0.25% more efficiently than rotator nozzles
- Hydraulically powered rotator, adjustable to specified degrees, with rotating spray patterns
- Ideal for backfilling, concrete, and high-pressure applications
- High-performance cleaning system for the industry

**Additional Options**

- Extended warranty packages are available.
- 12-month period from the date of delivery
- 3 years on the debris tank
- 10 years on the water tanks
- Optional auto-wind helps operator concentrate on his work, instead of handling the hose
- Complete controls located at reel for safety and efficiency
- Allows cleaning of multiple inlets without relocating truck
- Telescoping, Rotating Hose Reel & Hydraulic Boom
- Booms and reels together to ensure outstanding maneuverability and performance
- Single-piston, slow-stroke design and hydraulic drive for longer life and maintenance
- Ensures totalهل تدرك أن الحيوانات لها دور مهم في الحياة على الأرض؟ التحصيل العلمي يظهر أن الحيوانات تلعب دوراً حيوياً في التهوية، توليد الأكسجين، والحفاظ على الكربون، وكمية الأغذية والمواد الكيميائية. كما أنها تساهم في تكوين الرمل، وتقليل التلوث الجوي، والتحكم فيьян. ومع ذلك، فإن هناك تهديدات لبعض أنواع الحيوانات، الأمر الذي ي нужد في تطبيق قوانين وقوانين حماية البيئة. هل تعلم أن النباتات لها تأثير على البيئة؟ النباتات تلعب دوراً هاماً في توليد الأكسجين، وتقليل تأثير الانبعاثات الكربونية، وتقليل التلوث الجوي. كما أنها تساهم في تكوين الرمل، وتقليل التلوث الجوي، وتساعد في التحكم في الأمراض. ومع ذلك، فإن هناك تهديدات لبعض أنواع النباتات، الأمر الذي ي нужد في تطبيق قوانين حماية البيئة. كيف يمكننا تحسين حماية البيئة؟ يمكننا تحسين حماية البيئة عن طريق التثقيف، وتطبيق قوانين حماية البيئة، وتجنب استخدام المواد الكيميائية الضارة، وتعزيز الموارد الطبيعية، وحماية الحياة البرية، وتعزيز حماية البيئة. هل تعلم أن البيئة لها دور مهم في حياتنا؟ البيئة تلعب دوراً حيوياً في توليد الأكسجين، وتقليل تأثير الانبعاثات الكربونية، وتقليل التلوث الجوي، وتساعد في التحكم في الأمراض. ومع ذلك، فإن هناك تهديدات لبيئتنا، الأمر الذي ي нужد في تطبيق قوانين حماية البيئة. كيف يمكننا تحسين حماية البيئة؟ يمكننا تحسين حماية البيئة عن طريق التثقيف، وتطبيق قوانين حماية البيئة، وتجنب استخدام المواد الكيميائية الضارة، وتعزيز الموارد الطبيعية، وحماية الحياة البرية، وتعزيز حماية البيئة.
Fully Hydraulic Boom
Provides effortless in/out and up, down, left and right motion with full 180° rotation, for easy positioning and hard-to-reach areas. Eliminates belts, pulleys, chains, drive for flap and maintenance, while reducing the chance of hose or chain breaking, saving time and money.

Front-Mounted Hose Reel
There is a great deal of integration with the workstation. Includes a safety hose reel with a 15 in (381 mm) telescopically extendable, forward-reversing hose reel for improved visibility and ease of use. To improve the safety of the operator, the reel is located behind the driver for a safe working environment.

Complete Operator Control
Every control necessary for operation (booms, start/stop, rpm, hose reel functions, and chassis throttle) is located right at the hose reel, for maximum safety and productivity. Dual controls (both sides of reel) are standard.

Direct-Driven Hydraulic Water Pump
The hydraulic water pump is direct-driven through a heavy-duty transfer case. Optional Multi-Flow control allows operator to adjust flow and pressure while maintaining a full and constant vacuum.

Multi-Stage Blower Filtration System
Exclusive Vactor design provides unmatched blower protection to ensure optimum service life and productivity: a) Dual air ports maximize material separation in the debris body; b) Stainless steel ball shutoffs prevent liquid debris carryover; c) Centrifugal cyclone (optional) for severe and dusty environments, removes any escaping particles and condensation from the airstream; d) Final stainless steel screen strainer removes particles as small as 10 microns to provide ultimate blower protection.

Easy Load, Fast Dump Debris Body
Safe and efficient design shields the operator from potential contamination. Made of 5/16 in (4.76 mm) Ex-Ten® corrosion- and abrasion-resistant steel, the full 50° dump angle is achieved with a single, double-acting hydraulic cylinder. Capacities available from 5 to 16 yd³ (4 to 12 m³).

Power Plus Positive Displacement Vacuum
Booster is a proven design that delivers 180 HP through a drive train to the booster and 170 HP to the vacuum motor. Optional Dual-Check Valve control allows operator to maintain full and constant vacuum.

Aluminum Water Tanks
Corrosion-, rust- and crack-resistant design backed by 10-year warranty. Baffled cylindrical shape adds high strength and durability.

Jet Rodder® Water Pump
Exclusively designed for sewer cleaning applications, the Jet Rodder® action pounds through blockages and virtually scours pipes clean. The slow stroke action delivers maximum continuous flow and pressure with minimal wear. Superior beltless hydraulic drive with instant on/off at operator’s station. 5-year warranty available.

Direct-Driven Vacuum Pump
Eliminates belts, pulleys, clutches, drive line slip and maintenance, while increasing efficiency and reliability. Inlet volume up to 5,000 cfm and 18 Hg significantly increases velocity pull of debris at greater working depths.

Eagle Lean™ Vactor® Debris Body
Hose and collection tank design enhance the appearance and ease of maintenance. Made of 5/16 in (4.76 mm) Ex-Ten® corrosion- and abrasion-resistant steel, the 90° slant angle is achieved with a single, double-acting hydraulic cylinder. Capacities available from 5 to 16 yd³ (4 to 12 m³).

1. Direct-Driven Vacuum Pump
2. Eagle Lean™ Vactor® Debris Body
Fully Hydraulic Boom
Provides effortless in/out and up, down, left and right movement with full 180° rotation for easy positioning into hard-to-reach areas. Trouble-free hydraulic power eliminates adjustment and maintenance problems common to sprocket and chain systems.

Front-Mounted Hose Reel
Front mount provides the operator with a safe, efficient workstation. Optional compact design improves driver visibility. Heavy-duty high capacity reel with hydraulically powered forward and reverse. Optional telescopic action adds 15 in (381 mm) of reach and 270˚ rotation.

Complete Operator Control
Every control necessary for operation (boom, start/stop, rpm, hose reel functions and chassis throttle) is located right at the hose reel, for maximum safety and productivity. Dual controls (both sides of reel) are standard.

Direct-Driven Hydraulic Water Pump
The hydraulic water pump is direct-driven through a heavy-duty transfer case. Optional Multi-Flow control allows operator to adjust flow and pressure while maintaining a full and constant vacuum.

Aluminum Water Tanks
Corrosion-, rust- and crack-resistant design backed by 10-year warranty. Baffled cylindrical shape adds high strength and durability.

Multi-Stage Blower Filtration System
Exclusive Vactor design provides unmatched blower protection to ensure optimum service life and productivity:

- Dual air ports maximize material separation in the debris body
- Stainless steel ball shutoffs prevent liquid debris carryover
- Centrifugal cyclone (optional) for severe and dusty environments removes any escaping particles and condensation from the airstream
- Final stainless steel screen strainer removes particles as small as 10 microns to provide ultimate blower protection

Easy Load, Fast Dump Debris Body
Safe and efficient design shields the operator from potential contamination. Made of 3/16 in (4.76 mm) Ex-Ten® corrosion- and abrasion-resistant steel, the full 50° dump angle is achieved with a single, double-acting hydraulic cylinder. Capacities available from 5 to 16 yd³ (4 to 12 m³).

Powerful Positive Displacement Vacuum Blower
Directly driven through a 475 hp rated continuous-duty transfer case. Eliminates belts, pulleys, clutches, drive line slip and maintenance, while boosting efficiency and reliability. Inlet volume up to 5,000 cfm and 18 Hg significantly increases velocity pull of debris at greater working depths.

Jet Rodder® Water Pump
Exclusively designed for sewer cleaning applications, the Jack Hammer® action pounds through blockages and virtually scours pipes clean. The slow stroke action delivers maximum continuous flow and pressure with minimal wear. Superior beltless hydraulic drive with instant on/off at operator’s station. 5-year warranty available.

Ringed suction tubes prevent debris carryover and significantly increase the debris body’s useful capacity.

Picture illustrations on this page include optional components.

Outstanding Maneuverability

• Fully Hydraulic Boom Provides effortless in/out and up, down, left and right movement with full 180° rotation for easy positioning into hard-to-reach areas. Minimum 90°, 130°, 170°, or 260° rotation available.
• Front-Mounted Hose Reel Front mount provides the operator with a safe, efficient workstation. Optional compact design improves driver visibility. Heavy-duty high capacity reel with hydraulically powered forward and reverse. Optional telescopic action adds 15 in (381 mm) of reach and 270˚ rotation.
• Complete Operator Control Every control necessary for operation (boom, start/stop, rpm, hose reel functions and chassis throttle) is located right at the hose reel, for maximum safety and productivity. Dual controls (both sides of reel) are standard.
• Direct-Driven Hydraulic Water Pump The hydraulic water pump is direct-driven through a heavy-duty transfer case. Optional Multi-Flow control allows operator to adjust flow and pressure while maintaining a full and constant vacuum.
• Multi-Stage Blower Filtration System Exclusive Vactor design provides unmatched blower protection to ensure optimum service life and productivity:
- Dual air ports maximize material separation in the debris body
- Stainless steel ball shutoffs prevent liquid debris carryover
- Centrifugal cyclone (optional) for severe and dusty environments removes any escaping particles and condensation from the airstream
- Final stainless steel screen strainer removes particles as small as 10 microns to provide ultimate blower protection
• Easy Load, Fast Dump Debris Body Safe and efficient design shields the operator from potential contamination. Made of 3/16 in (4.76 mm) Ex-Ten® corrosion- and abrasion-resistant steel, the full 50° dump angle is achieved with a single, double-acting hydraulic cylinder. Capacities available from 5 to 16 yd³ (4 to 12 m³).
• Jet Rodder® Water Pump Exclusively designed for sewer cleaning applications, the Jack Hammer® action pounds through blockages and virtually scours pipes clean. The slow stroke action delivers maximum continuous flow and pressure with minimal wear. Superior beltless hydraulic drive with instant on/off at operator’s station. 5-year warranty available.
Fully Hydraulic Boom
Provides effortless in/out and up, down, left and right movement with full 180° rotation for easy positioning into hard-to-reach areas. Trouble-free hydraulic power eliminates adjustment and maintenance problems common to sprocket and chain systems.

Front-Mounted Hose Reel
Front mount provides the operator with a safe, efficient work station. Optional compact design improves driver visibility. Heavy-duty high capacity reel with hydraulically powered forward and reverse. Optional telescopic action adds 15 in (381 mm) of reach and 270˚ rotation.

Complete Operator Control
Every control necessary for operation (boom, start/stop, rpm, hose reel functions and chassis throttle) is located right at the hose reel, for maximum safety and productivity. Dual controls (both sides of reel) are standard.

Direct-Driven Hydraulic Water Pump
The hydraulic water pump is direct-driven through a heavy-duty transfer case. Optional Multi-Flow control allows operator to adjust flow and pressure while maintaining a full and constant vacuum.

Multi-Stage Blower Filtration System
Exclusive Vactor design provides unmatched blower protection to ensure optimum service life and productivity:

a) Dual air ports maximize material separation in the debris body
b) Stainless steel ball shutoffs prevent liquid debris carryover
c) Centrifugal cyclone (optional) for severe and dusty environments removes any escaping particles and condensation from the airstream
d) Final stainless steel screen strainer removes particles as small as 10 microns to provide ultimate blower protection

Easy Load, Fast Dump Debris Body
Safe and efficient design shields the operator from potential contamination. Made of 3/16 in (4.76 mm) Ex-Ten® corrosion- and abrasion-resistant steel, the full 50° dump angle is achieved with a single, double-acting hydraulic cylinder. Capacities available from 5 to 16 yd³ (4 to 12 m³).

Power Positive Displacement Vacuum
Robust vacuum system delivers through a CVT and inboard components throughout the entire 50° dump angle. Optional stoker configuration allows operation in either forward or reverse while maintaining full and constant vacuum.

Jet Rodder® Water Pump
Exclusively designed for sewer cleaning applications, the Jack Hammer® action pounds through blockages and virtually scour pipes clean. The slow stroke action delivers maximum continuous flow and pressure with minimal wear. Superior beltless hydraulic drive with instant on/off at operator's station. 5-year warranty available.