



**MOBILE  
VACUUM  
SYSTEMS**



- + Increased Production Capacity
- + On-time Delivery
- + Custom Engineering and Manufacturing





# 39 YEARS OF EXCELLENCE

Founded in 1979, Supervac manufactures vacuum and specialized equipment. Our team of professionals excels in all fields pertaining to the environment. We develop and build products tailored to the needs of companies in the municipal utility, petroleum, industrial and construction sectors.

Sustained effort and hard work have made Supervac a reference in the field. For us, quality and customer satisfaction are top priorities.



# PERFORMANCE ON THE FIELD



## CONSTRUCTION

In the construction field, our hydro and air excavators are mainly used to aspirate materials of all kinds both liquid and solid. They are used particularly when digging trenches and holes for poles (polarization) and for digging in hazardous or restricted environments. We propose two alternatives: hydro-excavation or air-excavation. Hydro-excavation is a digging technique from 3,000 PSI to 6,000 PSI, using water at ambient temperature or heated with a burner of more than 800,000 BTU. One of the strengths of our equipment is our insulated and heated cabs which allows us to work at temperatures  $-40^{\circ}\text{C}$ . This technique is extremely efficient and fast, even in frozen ground. Air-excavation offers an air jet, without water. Thus, the collected material is dry and can be reused on site rather than having to be relayed to a deposit of liquid materials. Air-excavation is generally used in less compact soil. A major asset to using air-excavation is that water supply is not required to perform the digging.



## MUNICIPAL

The equipment used for municipal works are mainly combined, low pressure equipment and hydro/air-excavators. The importance of reducing impacts on the environment and the community are realities that equipment must adapt to. Our equipment is designed to meet the highest requirements of municipalities both to minimize the noise of the equipment and the configurations adapted to restricted environments. The cabs are also designed to meet local and international standards and requirements. Whether for large-scale projects or surgical operations such as burying optical fibers, telephone lines or gas, we manufacture custom-made equipment. Our new wastewater filtration technology called Triton is integrated into our equipments handsets. This system allows water to be reused in the equipment to avoid wasting time and money. Our water and air-excavation techniques offer digging pressures that meet the safety standards of high-tech industries. The work is done quickly and with a minimum of staff and equipment.




## INDUSTRIAL

Our semi-trailers or vacuum trucks are perfect for companies that recover hazardous materials from oil fields or oil spills. Our vacuum trucks are also used in many industrial sectors to clean, decontaminate and recover any type of liquid or solid residues from industrial waste. This equipment is also convenient to execute different tasks on mine sites. We offer tanks of varying sizes up to 7000 Gallons (US).

## SANITARY

Supervac has designed a revolutionary system for septic applications. The Juggler™ is a unique patented pumping and liquid-solid separating system that services grease traps and septic tanks without requiring chemicals. This technology returns a liquid that is almost free of solids, being safe for the bacterial flora if discharge into nature. Paring this unit with a custom built truck to meet your business needs, the result will provide you with an equipment ready to successfully accomplish tasks in the roughest conditions.



**Supervac** is renowned for its professionalism and good business practices. Thanks to our carefully researched and developed fabrication processes, we provide high quality products that exceed customer expectations.

Our certifications are proof that we have the knowledge and skills required to handle even the most complex challenges.

We are committed to continually improving our products, design and fabrication processes, facilities and equipment.

#### OUR ACCREDITATIONS AND CERTIFICATIONS

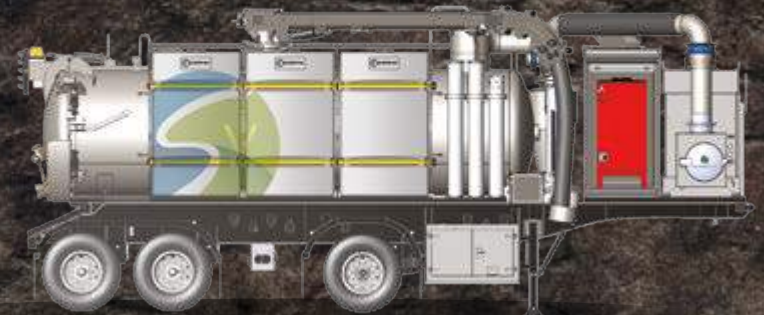
- Motor Vehicle Safety Standard CMVSS
- CSA B620 Standard from Transport Canada
- CSA B51 Standard
- ASME (American Society of Mechanical Engineers) - Section VIII, Division 1
- U-Stamp and R-Stamp Certificates of Authorization from the National Board of Boiler and Pressure Vessel Inspectors
- Code of Federal Regulations, Title 49, from the United States Department of Transportation (DOT)



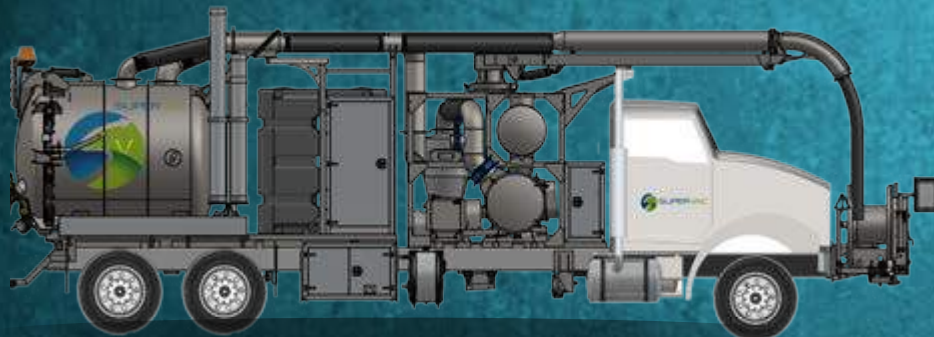
# OUR BRAND NEW STANDARD SERIES



**HERCULES**



**ATLAS**



**BRIZO**



**LETO**





***Juggler***



**AEOS**



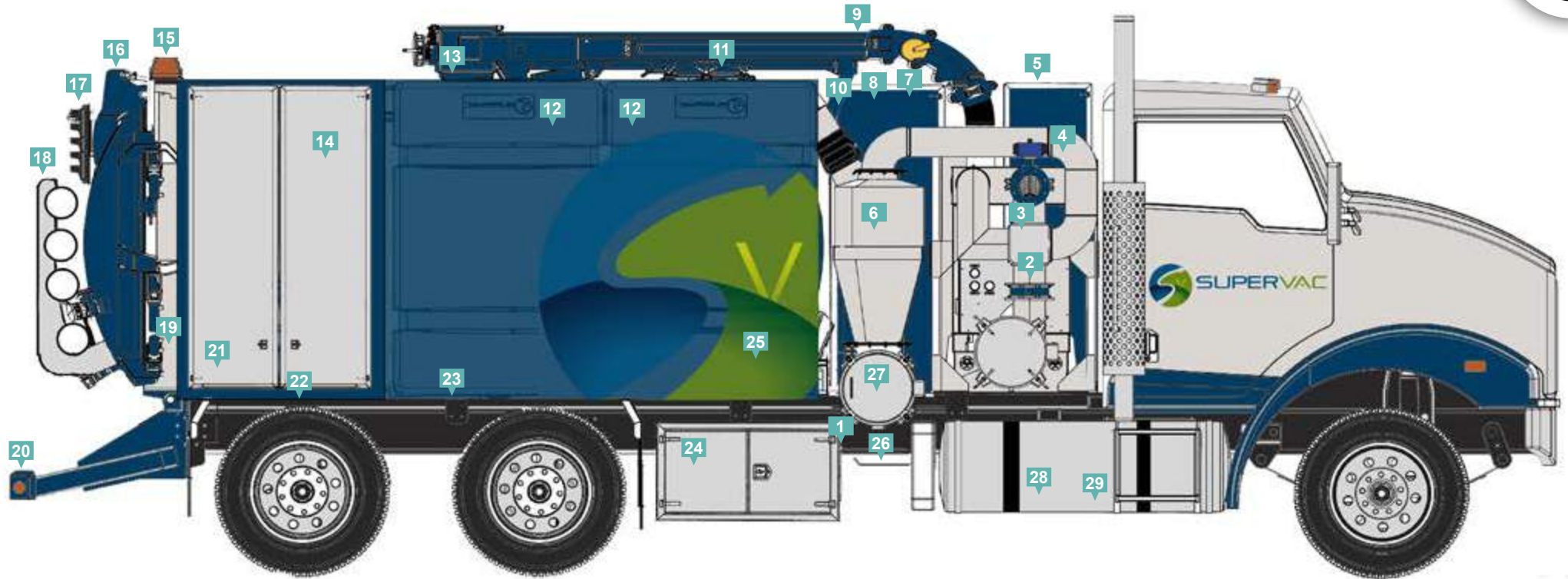
**Triton**



**ENYO**



# HERCULES



- 1 2400 CFM/ 27" HG Tri-lobe Blower;
- 2 10" check valve;
- 3 4-Way valve Pressure/Vacuum system;
- 4 8" piping;
- 5 22" x 72" x 32" Aluminum cabinet;
- 6 3/16" Carbon steel cyclone with drop out box;
- 7 Multiplexing 8" color display controller;
- 8 Heated enclosure (32" x 72" x 32") for 10 GPM-3000 PSI water pump and 525K BTU Boiler;
- 9 220 Rotation Hydraulic boom - 20' extensible - 6" Boom flex hose;
- 10 50' - 1/2" hose & hose reel (inside heated enclosure);

- 11 20" Man hole & Primary float valve;
- 12 (4) 250 Gallons (US) plastic water tanks — 1000 Gallons (US) total;
- 13 Direct top access boom box with elbow;
- 14 (2) aluminum cabinet 48" x 60" x 20";
- 15 Flashing beacon;
- 16 Full opening rear door;
- 17 LED Traffic Arrow light;
- 18 Mechanical level indicator (debris tank) -Aluminum extension rack -6" Decant valve -6" Discharge valve;
- 19 Ladder (side of toolbox— rear position);
- 20 Heavy duty bumper;

- 21 2400 Gallons (US) (12cy) Carbon steel debris tank;
- 22 Hydraulic vibrator for easy unloading;
- 23 Digital level indicator (water tanks);
- 24 20" x 20" x 36" Aluminum Tool Box;
- 25 20 Ton Hydraulic front hoist;
- 26 Hydrostatic drive & load sensing system;
- 27 Final filtration washable cartridge (10 microns);
- 28 75 Gallons (US) Hydraulic Aluminum tank on passenger side;
- 29 185 CFM - 110 PSI Air compressor on passenger side.



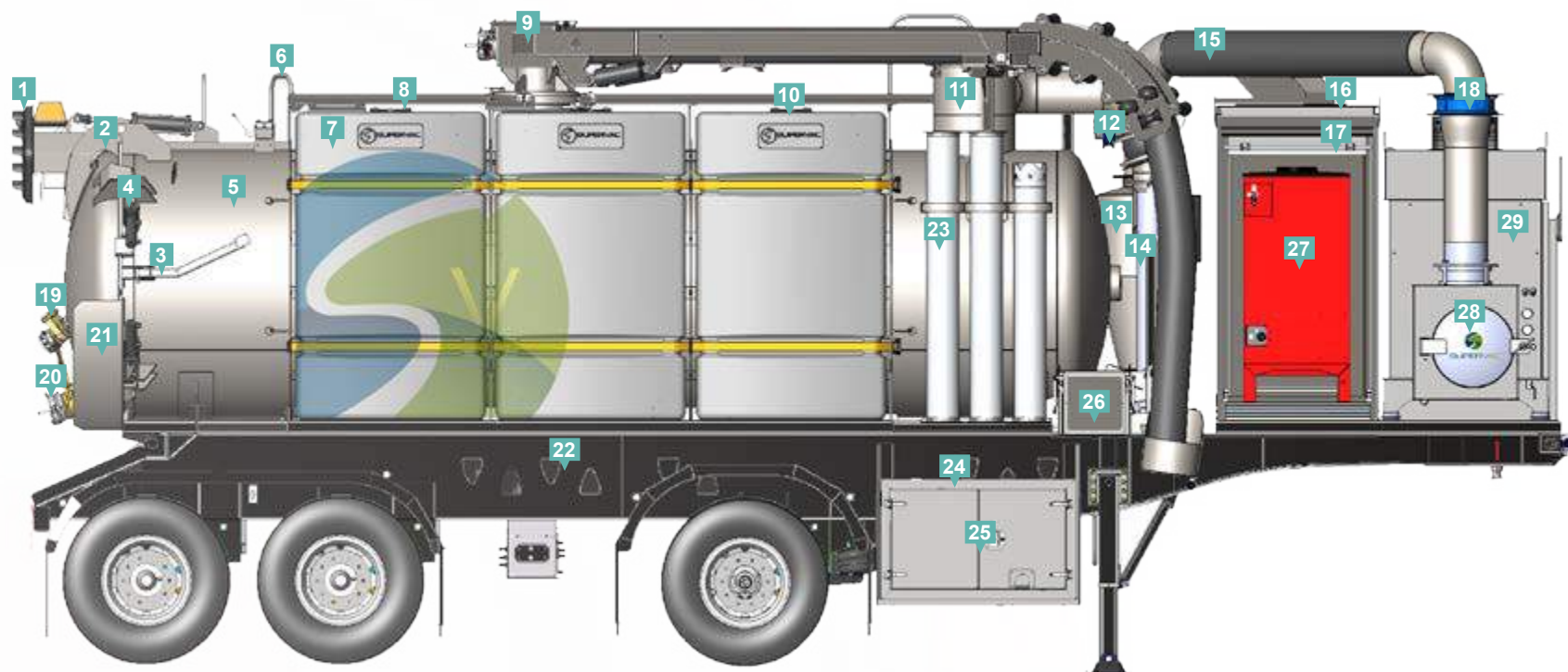


- 1 6400 CFM/27" HG Tri-lobe Blower;
- 2 (3) 430 Gallons (US) plastic water tanks (1290 Gallons (US) total);
- 3 Two 3/16" carbon steel cyclone with drop out box;
- 4 Ladder & Catwalk on driver side;
- 5 20 Ton Hoist;
- 6 20" Man hole & Primary float valve;
- 7 Sampling Port;
- 8 220 deg. Rotation Hydraulic boom - 20ft extensible - 6" Boom Flex hose;
- 9 Direct top access boom box with elbow;
- 10 Overturn protection (DOT option);
- 11 Full opening rear door;
- 12 Flashing beacon;

- 13 LED Traffic Arrow light;
- 14 Hose tray on driver side;
- 15 6 Hydraulic door locks;
- 16 6" Decant valve;
- 17 6" Discharge valve;
- 18 Extensions rack;
- 19 Heavy duty bumper;
- 20 Hydraulic vibrator for easy unloading;
- 21 Two 48" x 18" x 18" Aluminum Tool Box;
- 22 Mechanical level indicator (debris tank);
- 23 2400 Gallons (US) (12 cy) Carbon steel debris tank;
- 24 Multiplexing 8" color display controller; Digital level indicator (water tanks);

- 25 Transfer Case in driveline for Vacuum Blower and Water Pump;
- 26 Insulated Water Pump Cabinet 20" x 20" x 36" 50' - 1/2" hose & hose reel (inside heated enclosure) -20 GPM - 3000 PSI water pump;
- 27 Fully Insulated and Heated Acoustical Enclosure;
- 28 75 Gallons hydraulic aluminum tank on passenger side (2 possible locations);
- 29 Two 26" dia. Silencer with drain plug Final filtration washable cartridge (10 microns) 12" check valve;
- 30 8" piping.



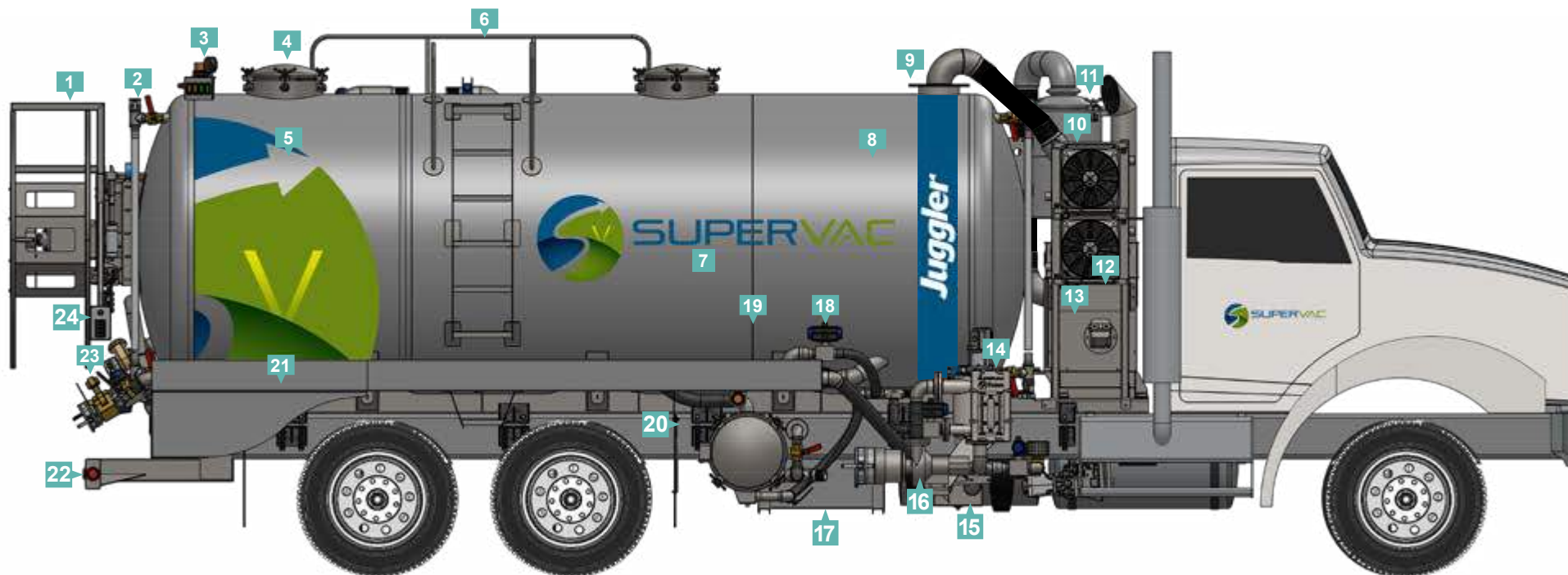


- 1 Flashing arrow and LED working light;
- 2 Full opening rear door;
- 3 Protection arm and LED light;
- 4 Hydraulic door lock;
- 5 3600 Gallons (US) (18 yd<sup>3</sup>), carbon steel debris tank and baffle;
- 6 Cat walk access ladder and handrail;
- 7 Six (6) plastic water tank total capacity 1500 Gallons (US);
- 8 8" Sample port and camlock;
- 9 Top loading boom 320° rotation, 21' extension 8" flexhose, top access door, protection elbow;
- 10 20" Man hole;

- 11 Primary shutt-off valve, 14" stainless steel float ball;
- 12 6" Vacuum relief valve;
- 13 Carbon steel cyclone and dropbox;
- 14 30 Tons hydraulic dump;
- 15 10" Flex pipping;
- 16 Fully insulated enclosure (101" x 40" x 78") webasto diesel heater;
- 17 Roll-up door;
- 18 12" Check valve;
- 19 4" Decant valve, screen basket;
- 20 6" Discharge valve;
- 21 Splash guard;
- 22 Deloupe heavy duty trailer

- option 1: triaxle
- option 2: tandem and lift axle;
- 23 Aluminum extension;
- 24 Fully insulated and heated water box;
- 25 Pratissoli water pump 20 GPM / 3000 PSI, Hose reel 100' - 1/2" hose gun / lance, 12 V recirculation pump Flush line, Winter package (Air purge);
- 26 Multiplexing, 8" color display controller and weight scale;
- 27 Dynablast boiler 680 000 BTU, 12 V;
- 28 Final filtration cartridge;
- 29 Robuschi blower 3800 CFM, 27" HG Hydrostatic drive.



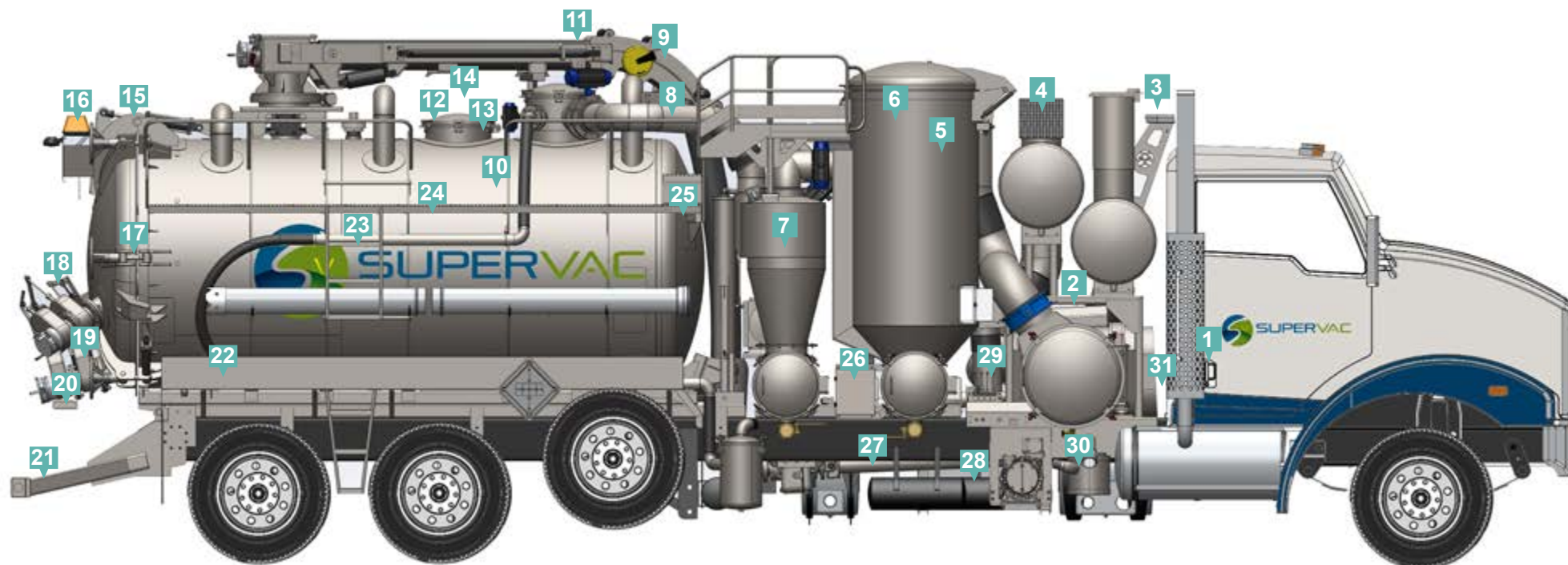


- 1 Hose reel 36" with remote control operation;
- 2 Water and solid level;
- 3 Working lights at rear and sides of unit;
- 4 2 x 20" man holes;
- 5 1200 Gallons (US) grey water capacity;
- 6 Ladder & Handrail on curbside;
- 7 Main control panel (on driver side);
- 8 3600 Gallons (US) solids capacity;
- 9 Primary shut-off valve inside top of tank;
- 10 Two (2) separate hydraulic cooler;
- 11 Secondary shut-off valve outside protection;
- 12 4-way valve on blower (driver side);

- 13 1400 CFM Blower - Hot shift PTO Driven;
- 14 100 microns Juggler filtration unit, auto-cleaning (option 200 microns available);
- 15 80 Gallons (US) Hydraulic tank with dual return filters;
- 16 Circulation pump, hydraulic driven;
- 17 Toolbox - Driver side;
- 18 Pneumatic actuated valves;
- 19 Electro-Hydraulic control valve (driver side);
- 20 Pre-filtration unit;
- 21 Hose trays on both sides;

- 22 Rear bumper;
- 23 Suction and discharge valve;
- 24 Rear control pad.



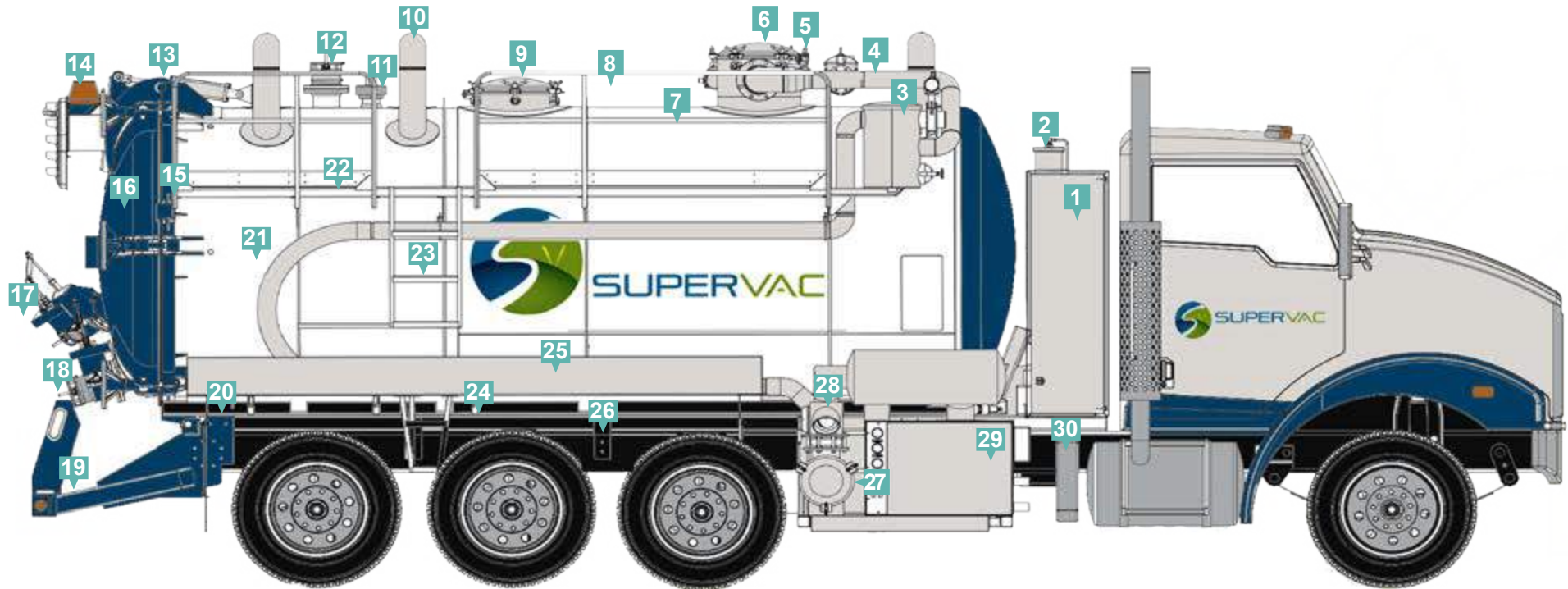


- 1 Tri-lobed Blower, 6400 CFM, 27" HG;
- 2 Check valve;
- 3 Two (2) 26" Silencer with Drain Plug;
- 4 Two (2) Multi-bags filtration system (30 bags x 2);
- 5 Two (2) Carbon steel cyclone (24x56)
- 6 6" Vacuum breaker;
- 7 20 Ton Hydraulic hoist;
- 8 Primary shut-off valve - 14" S/S floating ball;
- 9 Isolation valve (DOT);
- 10 3500 Gallons (US) (17cy) carbon steel debris tank;

- 11 Hydraulic telescopic boom;
- 12 20" Man hole;
- 13 Overturn protection bar (DOT);
- 14 «GIRARD» valve;
- 15 Full opening rear door;
- 16 Signal light (Arrow/Flashing);
- 17 Six (6) wheel clamps;
- 18 Suction Betts valve;
- 19 Decant Betts valve;
- 20 Discharge Betts valve;
- 21 Heavy duty bumper (DOT);
- 22 Two (2) hose trays;
- 23 Ladder;

- 24 Catwalk with handrail;
- 25 Mechanical level indicator (passenger side);
- 26 Cyclone debris box;
- 27 Load sense hydraulic system;
- 28 OMSI transfer case;
- 29 Bag house debris box;
- 30 250 CFM auxiliary pump (vacuum pressure);
- 31 Final filtration cartridge (10 microns).



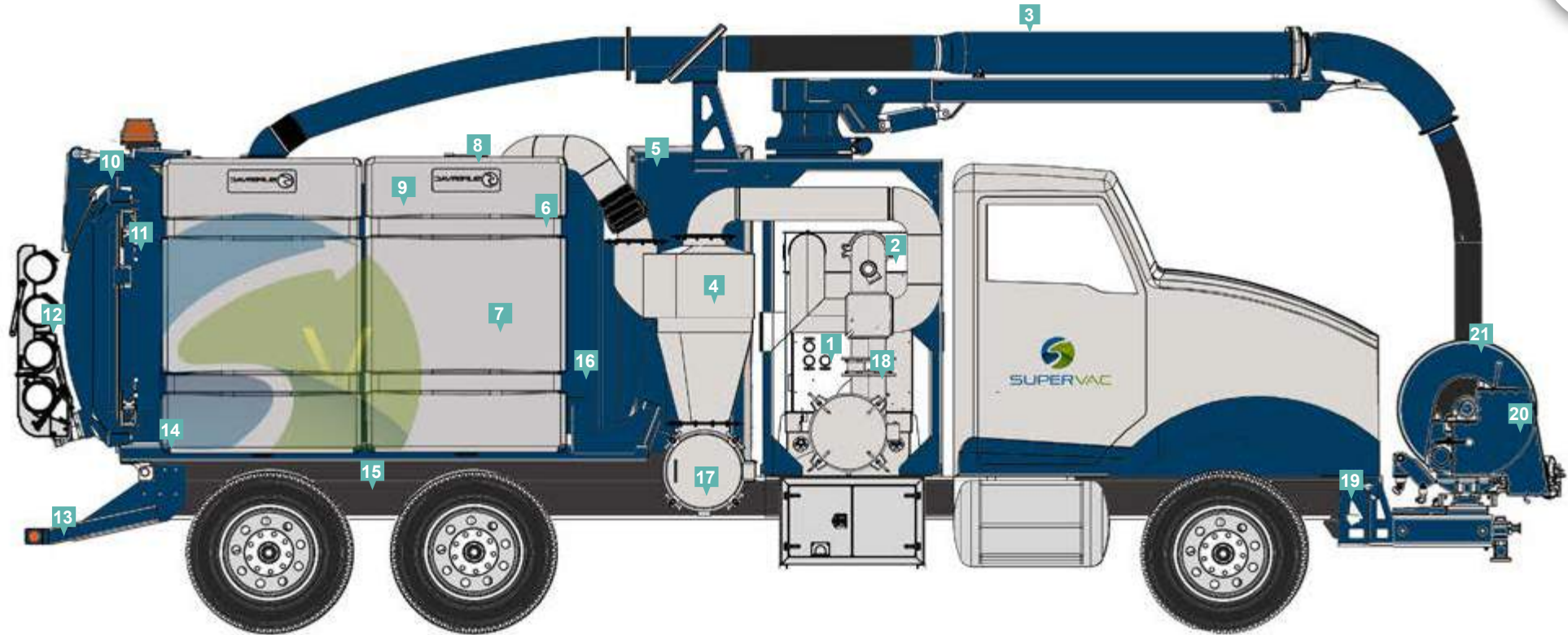


- 1 Two (2) 24" x 48" Aluminum Tool Box;
- 2 23 ton Hydraulic Hoist;
- 3 Secondary shut off - Moisture trap;
- 4 6" piping;
- 5 Primary shut off - 8" S/S floating ball & 12" man hole;
- 6 6" isolation valve;
- 7 4200 Gallons (US) (21cy) - 1/4" carbon steel debris tank;
- 8 Safety grab handrail;
- 9 20" man hole;
- 10 5" Overturn protection (TC 407/412);
- 11 4" Pressure relief valve (Girard S/S);

- 12 6" check port (Cam lock);
- 13 Full opening rear door;
- 14 Flashing arrow / Beacon & working lights;
- 15 Six (6) wheel locking clamps & door safety brace;
- 16 Liquid level indicator - 8" float ball;
- 17 6" Betts suction valve - Air operated - Heat jacket;
- 18 6" Betts discharge valve - Air operated - Heat jacket;
- 19 Rear bumper (TC 407/412);
- 20 Two (2) rear dump greasable pivots;
- 21 Stainless Steel liner inside tank - 60" dia.;

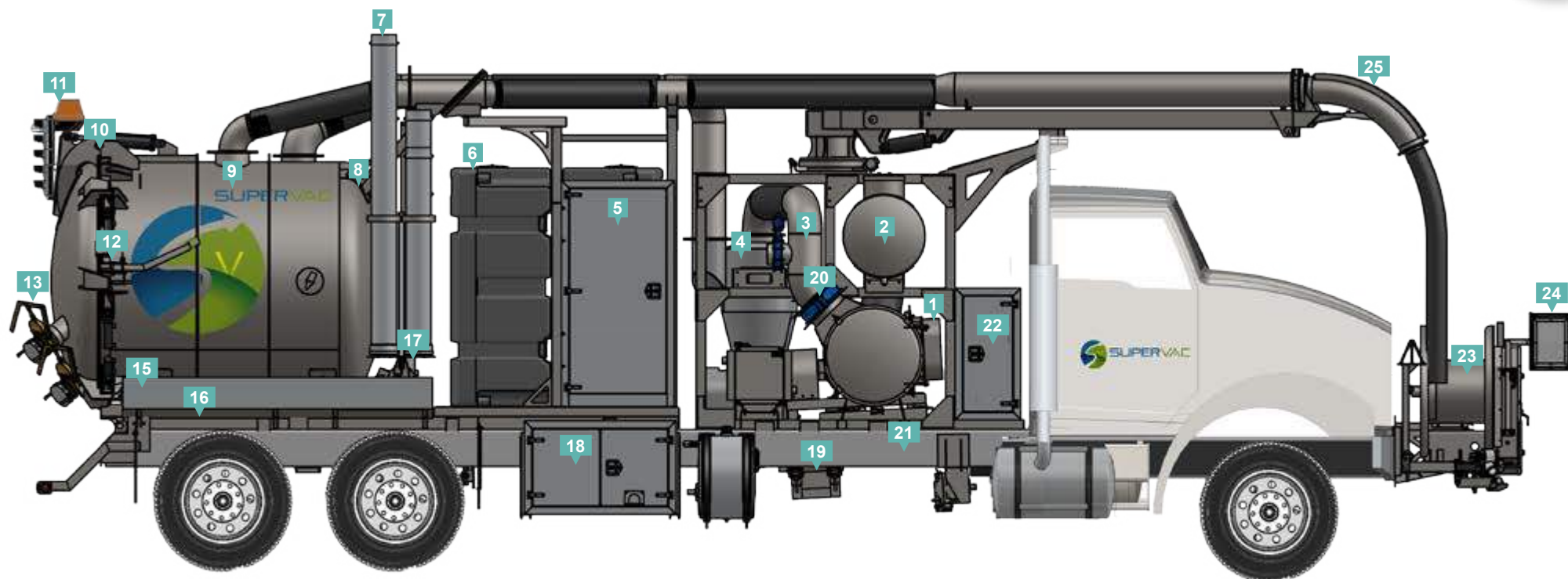
- 22 Grip strut sidewalk;
- 23 Anti-slip ladder;
- 24 Hydraulic vibrator;
- 25 Two (2) Aluminum Hose tray;
- 26 TC 407/412 chassis locking device;
- 27 Final Filtration Cartridge;
- 28 4-way valve (pressure/vacuum);
- 29 Tri-lobe 1600 CFM / 27" HG blower Bolt&Go w/ exhaust and manifold PTO belt and pulley drive;
- 30 Two (2) PTO for accessories & blower





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|---|---|
| <p><b>1</b> 3800 CFM - 27" HG positive displacement blower - hydrostatic driven;</p> <p><b>2</b> Pre-built silencer;</p> <p><b>3</b> 8" Top loading boom - 180° rotation - 21' extension;</p> <p><b>4</b> Carbon steel cyclone;</p> <p><b>5</b> Aluminum enclosure, 50' - 1/2" hose, Hand gun 20 GPM - 600 PSI, 12 V recirculation pump;</p> <p><b>6</b> Electronic level indicator;</p> <p><b>7</b> 1200 Gallons (US) Polyethylene water tank;</p> <p><b>8</b> Pressure water pump 35 GPM - 3000 PSI (passenger side);</p> | <p><b>9</b> 6" access sampling port;</p> <p><b>10</b> Full opening rear door;</p> <p><b>11</b> Four (4) Heavy duty hydraulic rear door lock;</p> <p><b>12</b> Four (4) aluminum extensions</p> <p><b>13</b> Standard Heavy duty bumper;</p> <p><b>14</b> Ladder;</p> <p><b>15</b> Hydraulic vibrator;</p> <p><b>16</b> 1800 Gallons (US) (9cy) debris tank 1/4" carbon steel</p> <p><b>17</b> Drop out box 20" dia.;</p> <p><b>18</b> 8" Electropneumatic Vacuum breaker;</p> <p><b>19</b> Load sense hydraulic system For accessories</p> <p><b>20</b> Control panel and display for electronic multiplex system;</p> <p><b>21</b> Hose reel for 1000' - 3/4" hose -180 deg. hydraulic pivot and planetary hydraulic rotation.</p> |
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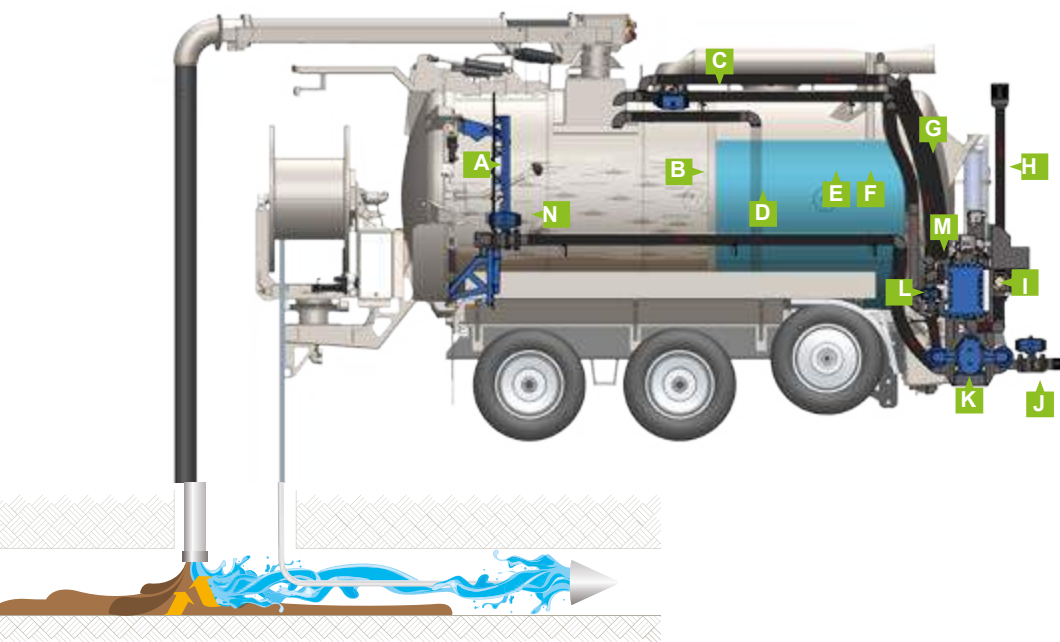
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| <p>1 Tri-lobe Blower 5000 CFM - 27" HG;</p> <p>2 Two (2) 26" dia. Silencer;</p> <p>3 6" Vacuum breaker (electro-pneumatic);</p> <p>4 Carbon steel cyclone + Drop Box;</p> <p>5 Aluminum enclosure:<br/>90000 BTU boiler<br/>12 V recirculation pump (optional);</p> <p>6 1290 Gallons (US) water tanks;<br/>(3 x 430 Gallons US) polyethylene water;<br/>tank with electronic water level indicator;</p> <p>7 Four (4) aluminum extensions;</p> <p>8 Extensions rotative holder;</p> <p>9 2000 Gallons (US) (10cy) debris tank<br/>1/4" carbon steel;</p> | <p>10 Full opening rear door;</p> <p>11 Arrow board &amp; Rotative beacon;</p> <p>12 Four (4) heavy duty hydraulic door locks;</p> <p>13 6" Decant valve;</p> <p>15 Aluminum hose tray;</p> <p>16 Hydraulic vibrator;</p> <p>17 23 Ton Hydraulic front hoist;</p> <p>18 20" x 20" x 36" Tool box;<br/>Water pump 65 GPM;<br/>2000 PSI, 3/8" hose &amp; manual hose reel,<br/>12 V recirculation pump;</p> <p>19 Driveline Transfer case for blower and water<br/>pump;</p> | <p>20 12" check valve;</p> <p>21 Load sense hydraulic system;</p> <p>22 18" x 42" x 96" Tool box;</p> <p>23 Front Hose Reel - 600' - 1" hose capacity,<br/>180° hydraulic pivoting, hydraulic motor and<br/>planetary gears rotation, manual hose guide,<br/>level wind guide;</p> <p>24 Control panel and Multiplex display screen<br/>Electronic level indicator<br/>Pendant and wireless remote;</p> <p>25 Top loading boom (8"), 180° rotation,<br/>21' telescopic stainless steel extension.</p> |
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| <p><b>1</b> Hose reel, 700', 1-¼' hose 2500 PSI, hydraulic operation, 180° rotation, hose guide;</p> <p><b>2</b> Full opening rear door;</p> <p><b>3</b> Six (6) heavy duty hydraulic door lock;</p> <p><b>4</b> Top opening heavy duty boom box, air actuator vacuum controller;</p> <p><b>5</b> 2300 Gallons (US), carbon steel debris tank</p> <p><b>6</b> Top loading boom (8"), 220° rotation, 19' long (stainless steel/ carbon steel);</p> <p><b>7</b> 1500 Gallons (US) carbon steel water tank, epoxy coating</p> | <p><b>8</b> Water tank decant material flush out sytem;</p> <p><b>9</b> 3/16" carbon steel cyclone;</p> <p><b>10</b> Two (2) 26" silencer;</p> <p><b>11</b> 12" check valve;</p> <p><b>12</b> Robuschi RBDV-125 blower, 3800 CFM, 27" HG;</p> <p><b>13</b> Final filtration washable cartridge (10 microns);</p> <p><b>14</b> Omsi transfer case;</p> <p><b>15</b> Pratissoli MW50R water pump 80 GPM / 2000 PSI;</p> <p><b>16</b> Drop out box 20", full opening;</p> <p><b>17</b> Load sense hydraulic system;</p> | <p><b>18</b> 23 Ton hoist;</p> <p><b>19</b> Rotary Tri-lobe feeding pump;</p> <p><b>20</b> T200 filtration system;</p> <p><b>21</b> Hydraulic vibrator;</p> <p><b>22</b> Hose tray;</p> <p><b>23</b> Liquid level indicator;</p> <p><b>24</b> Security arm;</p> <p><b>25</b> Splash guard;</p> <p><b>26</b> 6" decant valve;</p> <p><b>27</b> Multiplexing, 8" color display.</p> |
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- A** Pre-filtration screen, 16" from rear of debris tank, a retractable grid, filter any large material as tissues, rocks, branches, perforated grid and grating plate, top hinge movement when door is lifted;
- B** Isolation valve (actuator);
- C** Safety over pressure line and relief valve;
- D** Decant debris flush out;
- E** Debris (continuous) return line;
- F** Debris (cleaning cycle) return line;
- G** Filtered water return line;
- H** T200 – liquid/solid ultrasonic separation filter with high-speed rotating, self-cleaning, clog safe in sewer application where high concentration of fiber, hair or grease are present, heavy gauge stainless steel, electron beam perforated membrane (100 or 200 Microns);

- I** Air inlet on purge cycle;
- J** Automatic air wash out valve end-of-day cleaning maintenance cycle, air flow clean sludge inlet and pre-filtration screen;
- K** Boerger PL-300, rotary Tri-lobes feeding pump, reliable, powerful, robust, capable of handling solids, self-priming;
- L** Automated cleaning cycle valve (CLEANING / PURGE)
- M** Filter sludge inlet;
- N** Sludge line and isolation valve.

Another benefit of our equipment is that it cuts dumping needs by retracting up to 80% of water in debris material sucked in debris tank by transferring filtered water in water reservoir.

Water from any source including ponds, rivers and hydrants can be used through our jetting system after being filtered by Triton™ liquid and solid separator.

All of Supervac equipment are custom made to meet the specific needs of each customer. We pride ourselves in offering cutting edge technology so it can exceed the utmost aggressive goals set by our customers and maintain a high level of satisfaction.

Daily operation	Savings for a year
4 x tank of 2000 Gallons (US)	1 300 000 Gallons (US)
Fuel for disposal and water supply	20 000 \$
Disposal charges	90 000 \$
Water consumption	40 000 \$
Labor	45 000 \$

#### WHAT THIS MEANS FOR YOU:

- Reduced billable hours by as much as 40 %
- Reduced water usage
- Save on dumping and waste treatment
- Reduced permit needs for water source supply
- Better risk management
- Higher level of customer satisfaction



# BETTER BY DESIGN



## CUSTOM ENGINEER





**RING**

**MANUFACTURING**  
TC/DOT CERTIFICATION



NEED ASSISTANCE  
**IN CHOOSING**  
THE RIGHT EQUIPMENT?

CONTACT US TODAY  
**1-866-839-5702**



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