



MC
series

OVERVIEW
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GapVax MC Series Combination JetVac



GapVax, Inc. has been custom-building industrial vacuum and municipal equipment since 1989.

When you choose GapVax, you are choosing top quality equipment.

GapVax is comprised of skilled craftsmen and knowledgeable team members who strive to give the customers the best product available.



The MC Series Combination JetVac is built on a chassis with an extended front frame rail. This extension provides rigid support for the front hose reel, maximizing stability. A full length 6" subframe reinforces the strength of the frame and allows for tube trays. Our units are built to increase the truck's capabilities and last a long time.

Designed by the operator, for the operator. Our units are easy to operate and maintain.

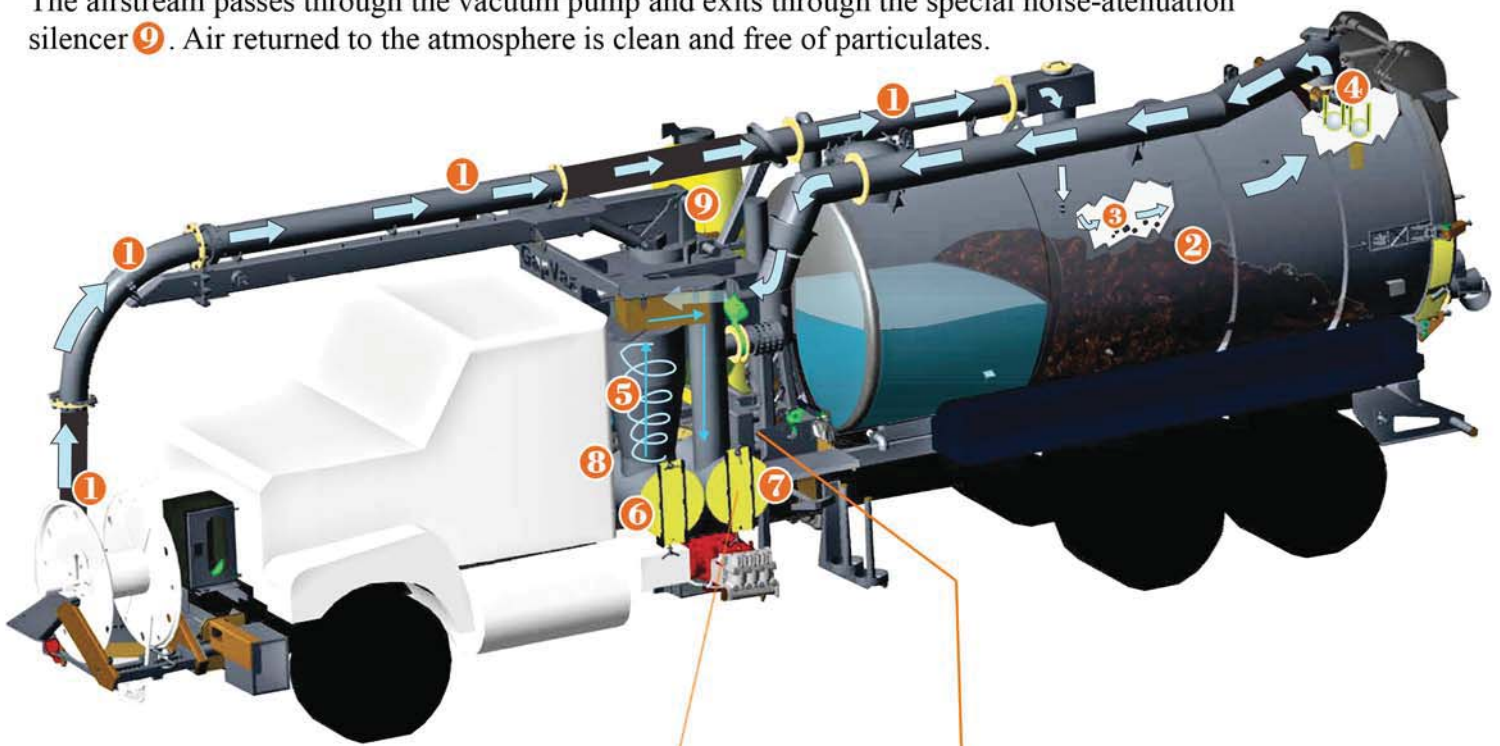
POSITIVE DISPLACEMENT VACUUM SYSTEM OPERATION

In operation, vacuum conveys liquid material, sludge, rocks, gravel, sand, etc. through the vacuum tubes and boom **1** into the debris body **2**. The material is top-loaded into the front of the debris body where the majority of the debris drops out of the airstream **3** due to gravity and air-flow velocity reduction. A debris body semi-baffle is incorporated to knock down material from the airstream. Dual 10" automatic stainless steel floatballs **4** are built-in to shut off liquids from overfilling the system.

The airstream moves into a specialty engineered cyclone separator **5** to centrifugally force mist from the airstream. The material drops out of the cyclone and into the collector box **6** located directly below the cyclone.

The airstream exits through the top of the cyclone and passes through a final micro-screen strainer **7** which collects any material remaining in the airstream before it enters the vacuum pump **8**.

The airstream passes through the vacuum pump and exits through the special noise-attenuation silencer **9**. Air returned to the atmosphere is clean and free of particulates.



Heavy-duty Dual
10" Floatballs



300 Micron Stainless
Steel Safety Screen



Kunkle Valves (4)
Allow cooling air
into the vacuum pump



*Optional Filter Screen
on decant

TRI-PLEX WATER SYSTEM WITH MULTI-FLOW

Water is stored in the stainless steel water tank **1**. The filtered water enters the water tank via water fill, which is filtered through a 400 micron water filter **2** before entering the water tank. High pressure water from the water pump **3** is directed to the front hose reel **4**, the body washout system **5** or the handgun. Precise control of water pressure and flow is accomplished with the multi-flow valve **6** via the multi-flow control valve located on the front control box panel **7**.



GapVax MC Series Technical Specs



A Body Built to Last

- Unitized, cylindrical water / debris tank with full longsill sub-frame
- 3/16" Non-corroding stainless steel water compartment
- 3/16" High strength exten steel debris compartment
- Two (2) heavy-duty body reinforcement rings
- Full opening rear door
- Liquid tight seal of the rear door is always assured by a non-corroding stainless steel ring
- Four independent, field-adjustable rear door locks
- Adjustable rear door hinges
- Dual lift cylinders to open the rear door
- Material-backed air inlet
- Top-loaded debris compartment for maximum debris capacity
- Material loaded at the front of the debris compartment for better separation
- Debris compartment inlet diffuser significantly reduces material carryover



The Smoothest Drive System:

- Mid-ship transfer case directs the power of the engine to the blower and hydraulic system
- Transfer case rated at 550 continuous horsepower
- Transfer case mount is vibration isolated with four isolators
- Oil level sight glass



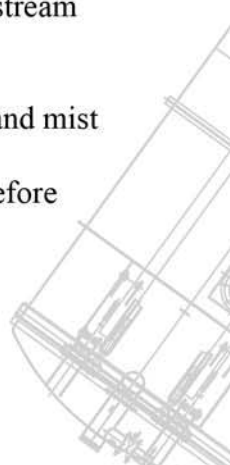
Power Vacuum Performance:

- Rotary lobe positive displacement blower
- Minimum air slippage under vacuum
- Direct shaft drive
- Blower mount is vibration isolated with four isolators
- Ultra quiet specifically engineered absorption silencer
- Blower air connections isolated by rubber couplings
- Silencer supports independent of blower
- Oil level sight glass
- Rated at 4,500 CFM and 18" of Vacuum
- Upgradable to 5,000 CFM or 4,000 CFM, 27" Hg
- Operator-friendly vacuum relief valves



Filtration:

- Top-loading body
- Debris compartment inlet diffuser directs material from the airstream
- Dual 10" Floatballs to shut off liquids from overloading
- 10" Low friction pipework
- Specifically engineered centrifugal separator to force the dust and mist from the airstream into a large capacity compartment
- Air passes to final 300 micron stainless steel vee wire screen before entering the blower



GapVax MC Series Technical Specs

GapVax Boom

- Boom support works as one with the chassis
- Heavy-duty dual lift cylinders
- 180° Rotation
- Full 8" Flow capacity
- 3/16" Tube design for minimum friction and very long compartment life
- Field-adjustable seal
- Standard 9' extension, 26' reach from center of the truck

Put It Together:

- The heavy-duty sub-frame is bolted to the chassis
- 4" cross I-beams for maximum rigidity
- Full body pivot pin through rear of sub-frame for the excellent dumping stability
- Double acting 3-stage dump cylinders substantially extends the life of the chassis suspension
- Torque stabilization system

Jetting System:

- High pressure water pump designated to use water up to 300 micron
- Rated at 50-100 GPM at 2,000-3,000 PSI
- Positive displacement tri-plex plunger style pump
- Uses "chevron" seals, no rope packing
- Direct shaft drive from 8 to 10-bolt transmission PTO
- Can operate independent of the vacuum system

Front Hose Reel:

- Hydraulically powered direct-drive gearbox
- Variable speed control
- Heavy-duty (hardened steel) water swivel
- Positive action spooler lock
- 4' (passenger side) articulation from center of bearing
- 180° rotation
- Mounted on a heavy-duty 12" bearing with external grease fittings
- Air operated brake
- Operator-friendly control station
- Easy and full engine access for maintenance
- Integrated docking station allows full hose reel operation without moving the boom



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GapVax MC Series OPTIONS

- 6" Decant
- Liquid Level Load Indicator
- Tube Rack
- Auto Level Wind on front hose reel
- Body Washout
- Filter screen on decant
- Wireless remote
- 3" Trash Pump
- 6" Remote operated vacuum break
- Rear ladder (redesigned / curbside)
- Front strobe warning beacon
- Boom worklights
- Hydraulic tool hose reel
- Washdown hose reel
- Hydro Excavation pump
- Hydraulic controls
- Mud flaps

*CNG & Advanced systems available



B e s t T r u c k i n t h e B u s i n e s s



**CALL
TODAY**

DEMO

GapVax

G2x

NEXT GENERATION MC



- QUICK AND EASY ENGAGEMENT OF ALL COMPONENTS AT THE FRONT CONTROL SCREEN
- LARGE EASY TO READ DISPLAY SCREEN IN BOTH THE CAB (OPTIONAL) AND FRONT CONTROL BOX
- PUSH-BUTTON OPERATION WITH ON-SCREEN GUIDANCE
- SMOOTH OPERATION WITH JOYSTICK AND WIRELESS CONTROLS
- CURBSIDE DUMP CONTROLS
- CAPABILITY TO ROTATE THE FRONT HOSE REEL FROM INSIDE THE CAB FOR FASTER SETUP
- DUMP & WASHOUT FUNCTIONS FROM WIRELESS REMOTE FOR SAFE OPERATIONS
- FUEL CONSUMPTION TRACKER
- WATER CONSUMPTION TRACKER
- ACCUMULATED FOOTAGE COUNTER WITH 10 STORED DISTANCE COUNTS
- LOG JOB CARD, DATE & TIME, CURRENT, ACCUMULATED, AND TOTAL FOOTAGE, TOTAL GALLONS USED, AVERAGE JETTER PRESSURE, PEAK PRESSURE, FUEL USED AND FUEL RATE
- USB PORT ALLOWS FOR EASY DOWNLOADABLE DATA TO EXCEL FORMAT
- COMPLETE SYSTEM & CHASSIS DIAGNOSTICS

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AND PERFORMANCE YOU EXPECT
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