

1000



Put the Power of Air
to Work for You!



SYSTEM

VACMASTERS SYSTEM 1000

AIR-VACUUM EXCAVATION

VACMASTERS SYSTEM 1000

Reduce Potholing Costs • Increase Production • Reduce Damage Claims



Low Cost, Small Size, High Performance!

State-of-the-Art Air-Vacuum Excavation

There's no better way to expose buried utilities for verification and repair than air-vacuum excavation. Working from above ground through a small hole is the accepted method for reducing cost, manpower, and damage to utilities. Now VACMASTERS is making state-of-the-art air-vacuum excavation cost-effective for smaller contractors and public works departments with their SYSTEM 1000, a trailer or truck mountable air/water excavation system. Potholing with high-pressure air breaks up the soil for easy removal by the powerful vacuum, keeping the spoils dry for backfilling.

The Advantages of Air

The SYSTEM 1000 is the next-generation in vacuum excavation technology from VACMASTERS, the leader in air-vacuum excavation. When compared to water, the SYSTEM 1000 with air offers you higher performance in most soils, greater efficiency, lower costs, and is less invasive than water, reducing your damage claims. The SYSTEM 1000 also has high-pressure water on board for those rare instances when you might be potholing in sticky, wet clay or hard caliche.

Experience the benefits of potholing with air

- Air is faster in most soils, averages 7 to 8 minutes
- Air eliminates mud disposal problems
- Air is much safer (for you and utilities)
- Air won't damage roadbase (DOT friendly)
- With air, spoils stay dry for backfilling

Making the Transition from Water to Air is Easy

The SYSTEM 1000 is small and compact, designed for truck, trailer, or skid mounting. It's perfect for potholing in tight places with plenty of power to take care of your potholing requirements. It has most of the features of VACMASTERS larger, heavy-duty models, including water, without sacrificing convenience and performance. And its lower price makes it ideal if you are now potholing with water and want to step up to air.

Air Power Gets the Job Done

Join the VACMASTERS Air Force. There are now more than 450 VACMASTERS systems serving companies throughout North and South America and Australia. Now's the time to stop wallowing in the mud and start potholing aerodynamically.

There's a VACMASTERS System* designed to do your jobs, big or small.

SS1EM4000 – Largest and most powerful, digs in all soil conditions

SS1EM3000 – Powerful, compact and maneuverable

SS1EM1000 – Affordable, trailer, truck, or skid mounted

* All have water on board as a backup

To see VACMASTERS air in action, view our demo at www.vacmasters.com or for more information, call 1-800-466-7825 or e-mail us.

VACMASTERS

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SSIEMICO Benefits

VERSATILE - WORKS IN ALL SOILS

- Allows access to over 90-95% of the area, with more available when needed.
- Effective digging in all soil conditions.

TRUCK OR SKID MOUNTED

- Allows installation into a trailer or truck.

LOW OPERATING COST

- Low initial cost, low operating cost.

PERFORMS UNDER PRESSURE

- Powerful John Deere Diesel engine drives all systems - vacuum, air and water.
- One engine to operate and maintain.
- Quality components ensure trouble-free, available service.

EASY TO OPERATE

- Highly effective for use in dry applications.
- Fast and easy cleaning.

HEAVY DUTY CONSTRUCTION

- Quick easy changing of hose, 300 or 400-gallon spoils tank.

EXHAUSTIVE SPOILS TANK

- Automatic monitoring of E-Systems with auto shut-down.

VERSATILE USE

- Capacity up to 200 ft. away from access, difficult to access.

QUALITY SERVICE

- High efficiency absorption chamber - vacuum and suction power head - maintain water levels.

EXHAUSTIVE SPOILS TANK

- Efficient and automatic level, filter, maintenance checks and adjustments, and occasionally clean the polymer filter... that's it!

EXHAUSTIVE SPOILS TANK

- This filter has never in event fails.

- Collected spoils remain dry, fast, efficient backfilling.

- Eliminates need to deal with problems.

- Safe for utility and operator.

- Air won't damage roadbase.

SYSTEM1000 Features

Integral Power Head.
Single diesel engine
drives vacuum,
compressor, and
high-pressure water

High-Pressure
Water Selector

Quick-Disconnect
Vacuum Inlet

Enclosed Power Head
with High-Efficiency
Absorption Chamber
Silencer

Cyclonic
Filtration System,
dual-stage
with washable
element

Fully
Supervised
and Lockable
Control Panel

Filter Condition
Indicator

Posi-Seal
Manway

Spring
Retractable
Hose Reel

Compressed Air
Selector Switch
150 psi/100 psi

Flashing
Beacon

Lockable
Access Doors
for Easy
Maintenance



SYSTEM1000 Specifications

POWER SOURCE

Engine Type: 4-Cylinder Diesel
Model: John Deere 4045T
Power Rating: 74 hp
Fuel Tank: 30-gallon
Power Transfer: Belt Drive

OPERATIONAL DATA

Vacuum: 780 cfm, 15" Hg, 4" hose
Compressor: 100 cfm @ 150 psi (Air Lance)
100 cfm @ 100 psi (Air Tools)
High-Pressure Water: 0-3000 psi @ 3 gpm
Low-Pressure Water: 0-1000 psi for clean-up

TANK CAPACITIES

300 or 500-Gallon Spoils Tank with
Hydraulic Hoist
85-Gallon Water Tank

OPERATOR CONTROL PANEL INSTRUMENTATION

Fully Supervised, Automatic Shut-Down
• Engine RPM • Temperature • Oil Pressure
• Vacuum • Air Pressure

DIMENSIONS and WEIGHTS

	SKID MOUNTED	TRAILER MOUNTED
Length:	13'	20' 6" (14' bed)
Width:	6' 8"	7' 10" (6' 2" bed)
Height*:	5' 10"	7' 4"
GW:	N/A	14,920
Empty Wt. (lbs.):	5,450	7,000
Full Wt. (lbs.):	9,430	11,000

*Based on 300-Gallon Spoils Tank

HOSES

33' of 4" Smooth-Bore Vacuum Hose
50' of 3/4" High-Pressure Air Hose
50' of 3/8" High-Pressure Water Hose

STANDARD EQUIPMENT

- Fiberglass Air Lance w/Nozzle
- High-Pressure Water Wand w/Nozzle
- Low-Pressure Water Wand (for clean-up)
- Spring-Retractable Hose Reel
- Winterizing Kit
- Flashing Beacon
- Spare Nozzles
- Face Shields

OPTIONAL EQUIPMENT

- Traffic Direction Board
- Work Lights, 12V DC Spotlight
- Vacuum Hose Rack
- 500-Gallon Spoils Tank
- Barrel-Top Interceptor (shown at right, barrel not included)
- Storage Boxes

