

VACMASTERS SYSTEM 1000

Low Cost, Small Size, High-Performance Air-Vacuum Excavation System



Now You Can Pothole With Air Without Digging a Hole in Your Pocket!

The VACMASTERS SYSTEM 1000 is a trailer or truck-mounted system that also has water on board. With the SYSTEM 1000, you can dig effectively in any kind of soil, using air 95% of the time.

SYSTEM 1000 Benefits

SELECTABLE AIR OR WATER DIGGING

- Allows crews to use air 95% of the time, with water available when needed.
- Effective digging in all soil conditions.

SKID MOUNT DESIGN

- Allows installation on a trailer or truck.

COST EFFECTIVE

- Low initial cost, low operating cost.

SINGLE ENGINE DESIGN

- Powerful John Deere diesel engine drives all systems: vacuum, air and water.
- One engine to operate and maintain.
- Quality components mean readily available service.

CYCLONIC FILTRATION SYSTEM

- Highly effective for wet or dry applications.
- Fast and easy cleaning.

HYDRAULIC POWERED DUMPING

- Quick, easy emptying of large 300-gallon or optional 500-gallon spoils tank.

SUPERVISORY CONTROL PANEL

- Automatic monitoring of all systems with auto-shut-down allows a 2-man crew to operate the system.

REMOTE OPERATION

- Operate up to 200 feet away for areas difficult to access. Our optional Barrel-Top Interceptor keeps the spoils at the digging site.

QUIET OPERATION

- High efficiency absorption chamber silencer and enclosed power head minimize noise levels enabling you to be a good neighbor.

LOW-MAINTENANCE DESIGN

- Monitor and maintain oil levels, follow recommended checks and adjustments, and occasionally clean the polyester filter -- that's it!

ADDITIONAL BENEFITS OF POTHOLING WITH AIR

- Digs faster than water in most soils
- Collected spoils remain dry for fast, efficient backfilling
- Eliminates mud disposal problems
- Safer for utilities and operator
- Air won't damage roadbase

SYSTEM 1000 Specifications

POWER SOURCE

Engine Type: 4-Cylinder Diesel

Model: John Deere 4045D

Power Rating: 68 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"
GVW:	N/A	14,900
Empty Wt. (lbs.):*	5,450	6,850
Full Wt. (lbs.):*	9,430	10,850

*Based on 300-Gallon Spoils Tank.

HOSES

(2) 33' lengths 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
- Spare Nozzles
- Flashing Beacon
- Face Shields

OPTIONAL EQUIPMENT

- Traffic Direction Board
- Storage Boxes
- Work Lights, 12V DC Spotlight
- Vacuum Hose Rack
- 500-Gallon Spoils Tank
- Barrel-Top Interceptor