



High-Performance

## Hydro Excavator

# All Excavate VACALL™

## With High Pressure and Vacuum System

All Excavate models reflect the superior water pressure and vacuum forces that have established Vacall as an industry leader. All Excavate models have dedicated systems that are designed for efficient operation and superior performance over the long life of the machines.

### FEATURES & BENEFITS

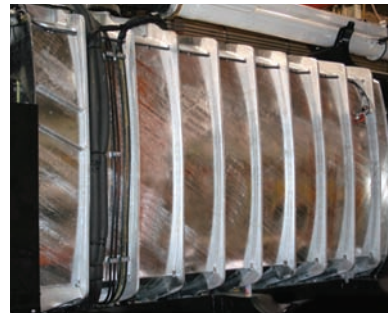
#### High pressure water system

A hydraulically driven variable speed system has rheostat control to vary the water volume and capacity output, conserving water usage and minimizing refill time. Available variable water pumps have 10, 15 and 20 gpm with 3,000 to 3,500 psi. The system powers a wand, delivering a high pressure stream to break up material. A self-wind reel has 75 feet of high pressure hose.



#### Water system enclosed in heated compartment

To protect the components against freezing, the water system is enclosed in a heated compartment. In addition to pumps, hose and reel, the compartment holds the wand, control panel, tools and worker apparel.



#### Rugged debris bodies that are built to last

An oval shape with cylindrical sides create extra strength and efficient material dumping. An optional flush system cleans the entire interior without requiring operator spraying assistance. Powder coat paint creates a heavy-duty, durable finish, while the optional galvanized tanks carry a lifetime warranty.

#### Water tanks have lifetime warranty

Water tanks are fabricated with aircraft quality aluminum for extra strength with a lifetime warranty. Tanks are mounted high on the chassis, reducing the possibility of damage from highway debris, rocks and stones. The location also eliminates any relocation need in order to dump the debris tanks.



### AIISmartFlow™ intelligent control system



AIISmartFlow™ is an innovative CAN bus control system, located inside a protective cabinet, allowing operators to efficiently make more precise adjustments in boom movement. The programmable color LCD display provides detailed information about engine performance, water flow and vacuum functions. A fully proportional pendant, either wired or using wireless capability, is programmable for productive control away from the chassis.



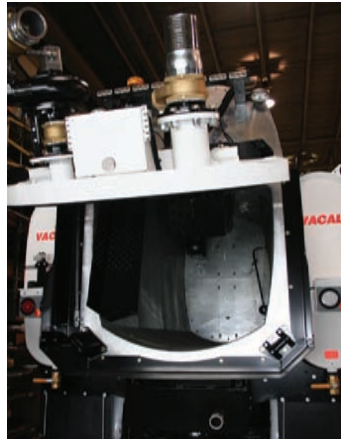
### Double-cyclone filtration

A multi-stage vacuum filtration system has a simplified design to reduce maintenance, extend performance and increase working life. As material is deposited into the debris body, air continues to move through a dual cyclone separator where more material particles and moisture are removed. Air then passes through a final mesh screen en route to the blower and exhaust through a silencer.



### Tailgate design you'll appreciate

A simple, rugged design with a single control allows the operator to open, close and lock the tailgate. Reverse slope lock wedges actually tighten under the weight of the load. A D-ring gasket and shimmed hinge points create a superior seal and performance.



### Rear-mounted boom front-loads debris

The standard 8-foot, 6-inch telescoping boom is located at the rear of the chassis and reaches in a 320-degree radius to work on different jobs without having to reposition the chassis.

## VACALL Hydro Excavate Models • Basic Specifications

	AE 1010	AE 1013	AE 1210	AE 1213
Debris Tank	10 yard <sup>3</sup>		12 yard <sup>3</sup>	
Water Tank	1,000 gallons	1,300 gallons	1,000 gallons	1,300 gallons
Hose Reel	75' high pressure hose on self-winding reel			
Boom	8'6" extending boom 320° rotation			

Certified ISO 9001 • 03/11  
Form No. 11104 • Printed in U.S.A

Vacall machines are designed and manufactured by Gradall Industries, Inc., a world leader in the production of versatile, reliable maintenance machines. It is our policy to continually improve our products. Therefore, designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. NOTE: some options shown in pictures.



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