



### ***The HXX: The best hydro-excavator for the job.***

With design input from working hydro-excavation contractors, the Vactor HXX is a dedicated hydro-excavator that features the latest technology, yet remains user-friendly. Its boom rotates a full 320 degrees to maximize your work area and boost productivity. A standard hot water heater ensures year-round operation, while its single-cell, stainless-steel water tank provides lasting durability and resists freezing. The dedicated design means more features focused on the needs of the job site.

#### **Fan system benefits include the following:**

- Increased airflow of 8,000 cfm for more effective conveyance of material.
- Improved debris capacity; fan system eliminates cyclones, filtration housings and silencers.
- Reduced-noise operation; fan system vacuums at variable operating speeds and creates less noise.
- 5-year warranty for greater peace of mind.

#### **PD system benefits include the following:**

- Hibon 8702 tri-lobe 5150 CFM at maximum speed 2000 RPM.
- Ultra quiet inlet and outlet silencers acoustically matched to blower.
- Direct drive OMSI transfer case.
- Dual parallel cyclonic separators with 12 inch clean out door.
- Microstrainer final filter with 3 inch camlock drain.

#### **Utilize water as your digging tool:**

- Water prevents the sandblasting effect of high-speed air.
- Water can be heated for frozen-ground excavation.
- Water is more productive, especially in tough soils.
- Water controls static electricity.
- Water acts as its own lubricant.

#### **The digging process uses less water for good reasons:**

- Lower water usage gives you a more precise digging process.
- Less water means more productive hours – up to 7.5 hours per tank.
- More debris capacity for filling debris tank with soil instead of water.
- Dumping load is not a slurry of mud, but is often dry enough to backfill your hole.
- PD units may require larger quantities of water for efficient operation.

The benefits of adopting the hydro-excavation process are maximized with the dedicated design of the Vactor HXX. To learn more, schedule a demonstration or find a dealer near you, call (800) 627-3171 or visit [vactor.com](http://vactor.com).

## How safe is your job site?

### ***Hydro-Excavation redefines safety expectations!***

Today, safety is part of running the job site. Contractors, municipalities and utility companies have made safety procedures and training mandatory. Shortcuts on safety are simply not allowed. Safer products, processes and gear are adopted and implemented on job sites. Excavating work requires safe digging processes. It is getting crowded below the surface. The underground infrastructure mimics the growth of traffic sprawling out from our cities and towns. Even remote locations may have gas distribution or telecommunications lines. Utility lines now appear almost everywhere. The costs associated with striking a utility are many. The obvious ones are the direct costs; however, there are many others that are often overlooked.

#### *The direct costs of a strike include:*

- Site repair costs and fines.
- Serious injury or death to employees and the general public.
- Lost labor at job.
- Lost utilization from idle equipment.
- Equipment damage.

#### *The indirect, and less obvious, costs often include:*

- Loss of resources, time from reporting accidents and ensuing investigation.
- Increased insurance costs.
- Damage to a company's reputation and lost revenues.
- Legal fees.
- Decreased employee morale.

How do you deal with the known and even unknown subsurface infrastructure? You do your best to minimize the risk. You add a safer process to your job site. You hydro-excavate to locate utilities. The hydro-excavation process uses pressurized water to loosen the soil, which is then removed with a vacuum source. The digging process is precise, locating utilities without fear of damage. The applications are growing. Several are presented on the next pages.

**VACTOR**



Frozen-Ground Excavation



Water Shutoff Repair



Heavy Clay and Rock



Long-Distance Applications



Repairing Steam Line under Foundation



Live Gas Lines Exposed



Multiple Utility Lines Safely Exposed



Limited-Access Areas



Utility Construction

# Hydro-Excavation Applications



Low Water Usage



Minimal Disruption to Landscape



Drilling Mud Removal