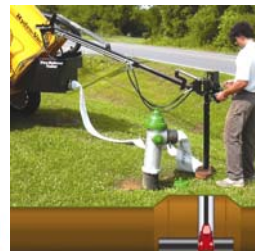


Incline-Vac

UTILITY

Excavator

Patented



Lynn A. Buckner
423.413.7823



U.S. Patent # 7,644,523 & 7,604,023 &
7,503,134 & 6,988,568 & 6,453,584
Pending App. # 61/277,201 & 12/592,142 &
12/653,871 & 11/809,957 & 12/584,441
& 10/810,908 & 10/624,868

Valve Exerciser-Vac
See our **Video** at: Incline-Vac.com

The Incline-Vac with its options can:

- Clean a valve box or meter box by using its hydro-vacuum excavation system;
- Excavate, replace or reset a damaged valve box or meter box;
- Remove asphalt or concrete from above and around a valve box using the hydraulic jack hammer or concrete saw;
- Exercise 4"- 60" utility valves using the hydraulic driven valve exerciser torque wrench;
- A remote controlled, articulated, powered boom with 13 feet of reach is used to position the valve exerciser torque wrench on to the utility valve;
- For those hard to reach places on the other side of the fence or ditch; The hydraulic powered torque wrench can reach and exercise valves up to 40 feet from the Incline-Vac;
- The Valve exerciser will count the number of rotations with an accuracy of 1 tenth of a rotation and measure the torque required for each tenth of a rotation while opening and closing the utility valve;
- The Valve-X™ Electronic data gathering system is a fully automated data gathering and storage system, which only requires the operator to log in with an RFID tag and punch in an identifying number for the valve that is being exercised.
- The Valve-X™ Electronic data gathering system uses the RFID tag to identify who the operator is and start the data gathering function. The GPS documents the date, starting time, latitude, longitude, elevation, & valve exercising completion time; sensors log the torque and count the rotations with an accuracy of 1 tenth of a revolution. The GPS accuracy is about 1 meter, which verifies which valve is being exercised. All data is stored on a thumb drive. At the end of each day's work the thumb drive can be used for transferring the valve exercising data to a centralized GIS utility mapping system.
- Safely Hydro-Vacuum excavate a defective valve for replacement;
- Vacuum excavate to locate a buried utility;
- Safely excavate a utility line to do repairs or make a tie in;
- Use the 300 GPM hydraulic driven submersible pump to remove large volumes of water from a pit or meter box;
- Exercise a fire hydrant and use the onboard fire hydrant diffuser to flush and test fire hydrants and de-chlorinate the water.



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Experience the Incline-Vac ! An efficient, user friendly design with a simple clean appearance; which is a sign that attention to detail and craftsmanship is a major priority.

The Incline-Vac design places a high priority on insuring that an operator has easy access to all features, controls and tools. The Incline-Vac has a tool for each job and has a user-friendly place for each tool.

For example:

- ✓ **The Incline-Vac has a compact design with its weight concentrated over the axle. The vacuum tank and water tank are both inclined to reduce the surface area of the stored liquids. This feature reduces slosh during travel. In short, the Incline-Vac is compact, safer, more stable and easy to transport to and from a worksite.**
- ✓ **A transporting vehicle or trailer can be smaller because of compactness of the Incline-Vac, which makes access to a work area easier.**
- ✓ **The self cleaning vacuum air filters are mounted on an incline slope and are vibrated to remove dirt.**
- ✓ **The remote controlled, powered access door allows the vacuum tank and the filter housing to simultaneously empty by gravity. An operator then has easy access to use a hand wand to wash the air filters and vacuum tank.**
- ✓ **The Incline-Vac features a non-clogging vacuum wand specially designed to avoid rock or debris clogging of the vacuum hose. It also features an ultra high velocity suction nozzle.**
- ✓ **Fast digging, custom designed rotary pulse hydro-excavator system makes pot holing and valve box cleaning faster and easier.**



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