

ENSOLTM VACUUM EXCAVATOR



For Inexpensive Excavation without damaging Underground Utilities.



APPLICATIONS :

Line location - Installation and repair for utilities and pipelines - Sewer and pipe – Rehabilitation - Slot Trenching – Waterline maintenance and repair - Directional digging –

Excavation in congested areas - Sign and pole installation - Landscaping excavation – Precision digging

HOW IT WORKS:

Vacuum excavation is becoming a best practice in the field of construction and site excavation.

Vacuum Excavation occurs when high pressure water or pressurized air breaks up and cuts the soil, while a high-flow vacuum system lifts the soil up and out of the excavation area. Buried natural gas, petroleum pipelines, and water mains can be quickly and efficiently uncovered with greatly reduced risk of strike. Fiber optic lines, cables, and other utilities can be efficiently located without the damage that can happen with traditional mechanical digging.

Operators can dig with precision, establishing a less invasive method for slot trenching , potholing and pipe location. This manner of excavation causes less surface damage reduces disruptions of traffic another other surface activities and can be easier and less expensive to repair.

Also available on Truck Mounted Attachments

TECHNICAL SPECIFICATIONS:-

Debris Body: 6 cu yd volumetric capacity debris body | 1/4 inch round design, abrasion and corrosion resistant Ex-Ten steel | Flat style, 3/4 rear door, hinged at top with replaceable neoprene seal | Hydraulic rear door open, close, and locking system | Front mounted hydraulic dump cylinder, 50 degree dump angle | power up / power down

Water Tanks: 600 gal capacity | #304 3/16 inch stainless steel water tank | Anti-siphon device & anti-splash valve with 25 ft water fill hose and connectors | Electric water-level indicator with low-water warning system.

Water System: Water system is design rated at 10 gpm @ 2500 psi | Hydraulically operated triplex piston water pump with electronic flow management | Handgun hose 3/8 inch x 75 ft with operating pressure rating of 3500 psi and burst | pressure rating of 14,500 psi

Vacuum System: Roots 624 (16 inch Hg) 3200 cfm @ maximum speed 3000 rpm | Direct drive OMSI transfer case | Vacuum relief located at the inlet to the final filter to allow operator to vent to atmosphere. Remote-control operated

Hydraulic System: Hydraulic reservoir capacity of 50 gallons with strainers on all suction lines | Oil-level sight gauges on hydraulic reservoir | Inspection port for maintenance | 10 micron spin-on type filter

Electrical: Entire system is moisture and vapor sealed | All wires function stamped and color Coded | Electrical connections require no exposed wires or terminals | Light bulbs will be shock mounted.

Options:

- **9 cu yd debris body (tandem-axle only)**
- **Air excavation package**
- **Truck-mounted boom**
- **Extendable boom**

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