

The ACME Suction Machine

When pulling pipes using the host pipe as a conduit trenchless method, landing the pulling cable into the host pipe can sometimes be the most challenging step in the process. Use of The ACME Suction Machine and our systematic multi-step approach ensures your success in landing the MAX Pulling Cable to the host lateral virtually every time with ease.

Once the host pipe has been exposed and cut on both ends, the Acme Suction Machine is connected to the lateral at the outside pit. The strong suction pulls a cord through the lateral from the basement. This cord is then tied to the Leader Cable, and it is pulled in, which is then attached to the MAX Pulling Cable, and it is pulled in.

For Tough Pulls – Add a Lubricant

If you find it hard to pull in the ¼” leader Cable or MAX Pulling Cable, introduce a lubricant, such as a biodegradable Vegetable Oil or liquid Soap. Attach the suction hose from the ACME Suction Machine to the host lateral in the access pit outside and add the lubricant from the basement.

The ACME Suction Machine provides the strong suction needed to pull the oil or soap through the entire length of the host pipe. Add about 1 pint per 50 feet of pipe. With the addition of the lubricant, you should now be able to pull in the Leader Cable or Pulling Cable with ease.

Now that the MAX Pulling Cable has been landed to the host lateral, you are ready to make the pull.

The ACME Suction Machine features

- A Honda GX 200 Engine
- A Roots Positive Displacement Suction Pump
- An Air/Water Separator
- A Final Filter
- A Vacuum Relief Valve
- A Vacuum Gauge
- A Discharge Silencer



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The **ACME Suction Machine** is designed specifically to evacuate residual water in the host pipe, suck in a pulling cord used in the pipe pulling process and then suck in a lubricant as needed. Being a positive displacement suction pump, it will convey air, water, and oil. Its use, and the addition of a lubricant in the step process simplifies and ensures the installation of the MAX Pulling Cable which is integral to your pipe pulling success. It is powerful and portable, designed for easy job site mobility, transport and operation.

The ACME Suction Machine Specifications

Model	2400
Machine Size	40" L x 19" W x 32" H
Machine Weight	235 lbs.
Engine Manufacturer	Honda
Model	GX 200
Net Power	5.5 HP
Blower Manufacturer	Roots
Model	24 URAI Positive Displacement Vacuum Pump
Max Vacuum	15" HG (Inches of Mercury)
	204" WC (Inches of Water Column)
Filtration	
Air/Water Separator	8 Gallon Capacity
Final Filter	Polyester, 99%+ removal efficiency to 5 micron

