

A yellow and blue VACUWORX RC 16 vacuum lifter is shown in the foreground, lifting a large, dark-colored pipe. The machine has a yellow upper section with a blue base and a blue frame. The background shows a green field with a red safety fence and a blue sky.

VACUWORX[®]

*...the global leader in
innovative lifting solutions.*

HOW IT WORKS

VACUWORX

Diesel Engine powers a vacuum pump that sucks in air to create "negative pressure"

Majority of the yellow area is a reservoir to build vacuum pressure

Part of the yellow area holds the Diesel fuel



Vacuum Valve opens and closes via wireless remote that is controlled by the operator

VACUUM PADS

HOW IT WORKS

VACUWORX



If the pressure is below safety settings, an alarm will sound and the emergency light will flash until the pressure is up in the “safe lifting area”

Vacuum Pressure Gauge shows current pressure.





2. When the valve is opened, vacuum pressure is released and will transfer the “negative pressure” onto the vacuum pads



1. Once the Vacuum pad(s) are placed down onto the pipe, the Operator opens the Vacuum Valve via wireless remote

3. Negative pressure is transferred to the vacuum pad(s) and within 2-3 seconds, you are ready to lift the pipe

4. When the operator is ready to release the pipe, he closes the Vacuum Valve via wireless remote



If the pressure is below safety settings, an alarm will sound and the emergency light will flash until the pressure is up in the “safe lifting area”

If anything happens while the load is engaged, such as running out of fuel, engine failure, vacuum pump failure, or even vacuum valve failure, the load will not release. The emergency light will flash and an alarm will sound to alert the operator that there is an unsafe situation, and the load needs to be brought down to the ground immediately. European laws require the Vacuworx Lifting System to hold for a MINIMUM of 30 minutes in this type of situation, and we meet that standard, giving the operator plenty of time to find a safe place to lower the load to the ground, and correct the situation.