



The SC170N is our heavy duty self-contained vacuum pipe lifter.

The lifter is powered by a small diesel engine and radio remote controlled.

The rugged design and the very high lifting capacity make it ideal for the most demanding heavy pipe handling jobs.

Suitable for almost any crane, excavator, side boom or materials handler.

Self-contained vacuum pipe lifter
Model SC170N



“Leading the way in vacuum lifting equipment”

Specifications SC170N	Crane use with lugs	Heavy excavator use with rotator AD-RV-17
Lifting capacity	17.000 Kg	17.000 Kg
Weight (without suction pad)	680 Kg	1045 Kg
Dimensions LxWxH in mm (without suction pad)	2550x450x1060	2550x450x1955

Vacuum lifter standard supplied with:

- Integrated crane lifting lugs
- Removable/foldable legs
- Hydraulic rotator hoses with flow control valves
- Radio remote control
- Wireless in-cab alarm
- Colour coded warning lights

VLENTEC



Load sensor

The load sensor detects when a load is being lifted and disables the vacuum release controls. This way it is not possible to drop a pipe by pushing the buttons unintentionally.



Removable/foldable legs

For easy storage and transport the vacuum lifter is fitted with four legs which can be removed or locked into four positions.



AD-RV-17 Rotator - heavy duty

The large AD-RV-17 rotator is integrated in the lifting beam, which reduces the height of the vacuum lifter. It has an effective swing stabilizing system integrated on the rotator. The maximum dynamic lifting capacity is 17.000Kg.



Suction pad shock absorbers

All suction pads are equipped with rubber shock absorbers to protect the lifting beam from sideways forces. All suction pads are interchangeable with all standard vacuum pipe lifters manufactured by Vlentec.



Spring loaded guide wheels

The guide wheels protect the rubber seal in the suction pad. Its main purpose is to position the suction pad correctly on the load.



Handset for remote control

The handset from the radio remote system complies with all safety standards. It has one button for suction on and two buttons which have to be pressed simultaneously for suction off. It is powered by two standard AAA batteries. The system has a proven track record in the crane industry.



Wireless warning system

The low vacuum warning system can be placed in the cabin of the crane or excavator. When the vacuum is below the required operation level, the vacuum pipe lifter will give a wireless signal to activate the audio and visual cabin alarm.



Safety light signals

Red: Low vacuum level; The vacuum is below the required operation level.
Green: Safe vacuum level; The vacuum level is sufficient for safe use.
Orange: Vacuum controls enabled; The load is supported, vacuum can be released.



Lifting lugs

The vacuum pipe lifter is equipped with two integrated lifting lugs for crane use.



Direct acting vacuum valve

A large direct acting vacuum valve is especially designed for this purpose. Its straightforward design allows quick suction on and off. In contrary to the usual servo type valves, this valve operates independent of the vacuum level. It can also switch if there is no vacuum at all. It switches on an electrical pulse. It does not require continuous electrical power, which makes it very safe.



Diesel engine and vacuum pump combination

The specially designed oil circulated rotary vane vacuum pump and diesel engine are a perfect match. Most important advantages are the high efficiency and superior performance in the higher vacuum levels. It's a very efficient and long living combination.

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