

## VACUBE



**PLUG & PUMP  
VACUUM ON  
DEMAND**  
UP TO 50%  
POWER SAVINGS

VACUBE models

The VACUBE range is a new generation of intelligent, single-stage, oil-sealed screw vacuum pumps with variable speed drive (VSD) technology.

VACUBE generates vacuum on demand. The pump is controlled and maintained by an internal controller. The system offers superior performance for a wide range of rough vacuum applications.

Four models are available. Next to the standard model, the „iH“ model should be used for vapour handling, the „iC“ model is ideal for high cycling applications. „iHC“ is there to cover humid cycling applications.

### Our Solution

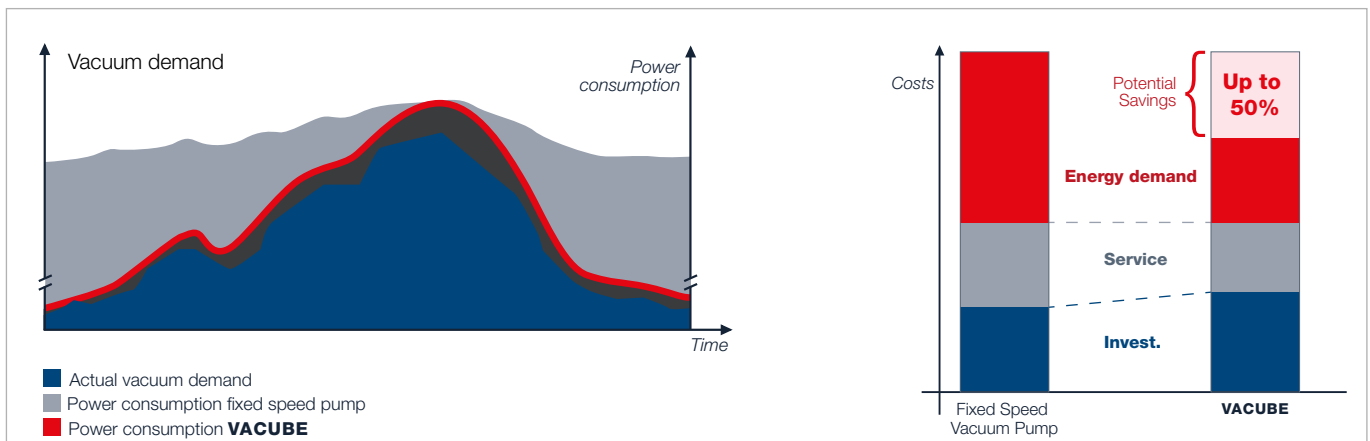
- Plug and pump system set up
- Highly efficient oil-sealed rotary screw technology
- Pumping speed 420 to 4.972 m<sup>3</sup>/h
- Ultimate pressure ≤ 0.35 mbar
- Integrated frequency inverter for load depending speed control
- Controller with intuitive menu navigation for configuration and control
- Air- or water-cooled versions
- Small footprint
- Programmable operation modes
- Long maintenance intervals

### Typical Applications

- Central vacuum systems for packaging and processing
- Meat packaging under modified atmosphere (no O<sub>2</sub>)
- Chamber packaging
- Canning
- Food freeze drying

### Customer Benefits

- Sustainable power saving due to on-demand vacuum generation
- Low total cost of ownership



Energy optimised operation with VACUBE: The power consumption changes proportional to the real vacuum demand, often allowing energy savings up to 50% compared to other vacuum pump technologies

## Technical Data

### VACUBE i - iH - iC - iCH

VQ 400 VQ 550 VQ 700 VQ 800 VQ 1250

		VQ 400	VQ 550	VQ 700	VQ 800	VQ 1250
Pumping speed, max. eff. <sup>1)</sup>	m <sup>3</sup> x h <sup>-1</sup>	420	530	700	790	1250
Ultimate pressure	mbar	0.35	0.35	0.35	0.35	0.35
Motorshaft power	kW	5.5	7.5	11	15	22
Noise level	dB(A)	51 - 65	51 - 65	51 - 73	51 - 76	65 - 75
Ambient temperature	°C	0 - 46	0 - 46	0 - 46	0 - 46	0 - 46
Weight	kg	500	500	510	520	1058
Protection class	IP	54	54	54	54	54
Supply voltages*		380 - 460 V, 3 phase, 50/60 Hz				

<sup>1)</sup> To DIN 28 400 ff.

\* Other voltages available on request

## Technical Data

### VACUBE i - iH - iC - iCH

VQ 1500 VQ 1650 VQ 3600 VQ 4200 VQ 4800

		VQ 1500	VQ 1650	VQ 3600	VQ 4200	VQ 4800
Pumping speed, max. eff. <sup>1)</sup>	m <sup>3</sup> x h <sup>-1</sup>	1490	1620	3739	4516	4972
Ultimate pressure	mbar	0.35	0.35	0.35	0.35	0.35
Motorshaft power	kW	30	37	55	75	90
Noise level	dB(A)	65 - 75	65 - 80	70 - 83	70 - 84	70 - 85
Ambient temperature	°C	0 - 46	0 - 46	0 - 46	0 - 46	0 - 46
Weight	kg	1058	1073	3945	3980	4000
Protection class	IP	54	54	54	54	54
Supply voltages*		380 - 460 V, 3 phase, 50/60 Hz				

<sup>1)</sup> To DIN 28 400 ff.

\* Other voltages available on request

## Ordering Information

### VACUBE

i Models iH Models iC Models iCH Models

	Part No.	Part No.	Part No.	Part No.
VACUBE VQ 400	177040V01	177040V10	-	-
VACUBE VQ 550	177055V01	177055V10	177055V05	177055V15
VACUBE VQ 700	177070V01	177070V10	177070V05	177070V15
VACUBE VQ 800	177080V01	177080V10	177080V05	177080V15
VACUBE VQ 1250	177125V01	177125V10	-	-
VACUBE VQ 1500	177150V01	177150V10	177150V05	177150V15
VACUBE VQ 1650	177165V01	177165V10	177165V05	177165V15
VACUBE VQ 3600	177360V01	177360V10	-	-
VACUBE VQ 4200	177420V01	177420V10	-	-
VACUBE VQ 4800	177480V01	177480V10	-	-
LEYBONOL vacuum oil LVO 320, 20 liter	L320 20	L320 20	L320 20	L320 20

Water-cooled versions and other variants available, please contact us.