

## CLAWVAC



CLAWVAC CP 150

The CLAWVAC operates smoothly with a pair of wearfree rotating claw rotors. The CLAWVAC differentiates itself from conventional claw pumps mainly through its material selection.

Stainless steel rotors as well as the corrosion-resistant coated vacuum chamber deliver stable operation even under very harsh process conditions.

The CLAWVAC offers great advantages for a wide range of rough vacuum applications.

The pump design offers extreme robustness, especially for challenging applications, which include handling of particle or vapor contaminated gases.

### Our Solution

- Dry claw technology
- Air cooled
- Pumping speed 65,150 and 300 m<sup>3</sup>/h
- Compact design, small space requirements
- Extremely efficient air cooling, low heat emission
- Low total cost of ownership

### Typical Applications

Food processing

- Bottling
- Dairy products (e.g. milking)
- Vacuum conveying (e.g. slaughterhouse)
- Beverage production
- Tumbling / Marinating
- Mixing / Cutting

Food packaging

- Thermoforming of foil containers
- Tray sealing
- MAP (Modified Oxygen Packaging)

### Customer Benefits

- Oil free generation (no oil migration into process, no oil contamination to the environment) guarantees maximal food safety
- Comfort of use for the operator thanks to low noise level
- Low maintenance requirements and low operating cost
- Simple and complete on-site cleaning of all surfaces in contact with process media

### Options

- Stainless steel hygienic enclosures for full wash-down capability



Stainless steel claws and corrosion resistant pumping chamber

## Technical Data

## CLAWVAC

			CP 65	CP 150	CP 300
Pumping speed <sup>1)</sup>	50 Hz	m <sup>3</sup> x h <sup>-1</sup>	65	150	300
	60 Hz	m <sup>3</sup> x h <sup>-1</sup>	79	184	347
Ultimate vacuum		mbar	50	50	140
Continuous operation range		mbar	50-1000	50-1000	140-1000
Permissible ambient temperature range		°C	0 - 40	0 - 40	0 - 40
Connections	Inlet		G 1 1/4" or NPT	G 1 1/4" or NPT	G 2" or NPT
	Outlet		G 1 1/4" or NPT	G 1 1/4" or NPT	G 1 1/4" or NPT
Motor power	50 Hz	kW	1.8	4.0	6.2
	60 Hz	kW	2.2	3.7	7.5
Operation range		Hz	20 - 60	20 - 60	20 - 60
Noise level (50/60 Hz)		dB(A)	66 / 77	75 / 80	77 / 84
Weight		kg	120	160	252
Motor protection class		IP	55	55	55

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

## Ordering Information

## CLAWVAC

	CP 65	CP 150	CP 300
	Part No.	Part No.	Part No.
CLAWVAC dry vacuum pump with 3 phase motor			
230 V, 50 Hz	<b>178065V01</b>	<b>178150V01</b>	<b>178300V01</b>
380 V, 60 Hz	<b>178065V02</b>	<b>178150V02</b>	<b>178300V02</b>
400 V, 50 Hz	<b>178065V03</b>	<b>178150V03</b>	<b>178300V03</b>
575 V, 60 Hz	<b>178065V04</b>	<b>178150V04</b>	<b>178300V04</b>
200 V, 60 Hz	<b>178065V05</b>	<b>178150V05</b>	<b>178300V05</b>
460 V, 60 Hz	<b>178065V06</b>	<b>178150V06</b>	<b>178300V06</b>
230/460 V, 60 Hz	<b>178065V07</b>	<b>178150V07</b>	<b>178300V07</b>
200 V, 50 Hz	<b>178065V08</b>	<b>178150V08</b>	<b>178300V08</b>
230 V, 60 Hz	<b>178065V09</b>	<b>178150V09</b>	<b>178300V09</b>
500 V, 50 Hz	<b>178065V10</b>	<b>178150V10</b>	<b>178300V10</b>
Hygienic enclosures CLAWVAC	<b>HygEn006</b>	<b>HygEn006</b>	<b>HygEn007</b>