



CLAWVAC CP

The claw benchmark
in rough vacuum

The unique product features of the CLAWVAC product range offers great advantages for the rough vacuum industry. The pump design enables extreme robustness, especially for challenging applications which include handling of particles and vapour contaminated gases. Therefore, the user will experience a trouble-free and cost-saving operation.



Harshest applications ready

- Coated pumping chamber results in an extended corrosion & wear protection
- No oil contact with process media
- High water vapor resistance
- Suitable for high temperatures



Energy efficient

- IE4 motor as default
- Availability for FC control / ELEC CAB up to 60Hz



Plug & Go

- Different accessories available (incl. bare shaft variant)
- Extended uptime via long service intervals
- Easy to use



Completely cleanable

The user has full and easy access to all media touched surfaces. Housing and claws can be disassembled without need for resetting of the gear timing. The big-size silencer reduces the sound level a bit and allows condensate draining through the drain port.



Unique CLAWVAC CP 500-1000 features

- **Inlet filter as accessory**
Polyester element as default
- **Bareshaft version available**
Available for customized motor or FC control
- **Additional outlet silencer as accessory**
To achieve a lower noise level
- **Drain valve as default**
Easy to drain the condensate from the main silencer
- **Coupling and fan checking hole**
Simplified maintenance
- **Air-cooled design**
Able to work up to 40 °C ambient temperature
- **Ultimate pressure adjustable**
Default pressure 200 mbar
- **Inlet check valve & mesh as default**
Prevent particle ingress into pump



High capability for demanding applications via:

- Coated and corrosion resistant pumping chamber and claws
- Resistance to high water vapor or water slugs
- Drainable silencer

Technical Data

		CP 500	CP 1000
Pumping speed (50/60 Hz)	m³/h	500/600	950/1140
Ultimate vacuum		200/150	200/150
Permissible ambient temperature range	°C / °F	0 – 40 / 32 – 104	
Operation range	Hz	20 – 60	
Noise level ¹⁾ (50/60 Hz)	dB (A)	76/78	82/85
Motor power (50/60 Hz)	kW	9.2/11	18.5/22
Weight	kg	309	615
Dimensions	mm	1302 x 586 x 845	1444 x 680 x 1274
Bareshaft version		822 x 586 x 845	1169 x 680 x 1274
Connections	Inlet Outlet	G 3" G 2 1/2"	DN100 PN6 DN100 PN10

Ordering Information *	CP 500	CP 1000
Motor version (200/230/380/400/460/575V, 50/60Hz, 3PH)	10790500V02~V04	10791000V02~V04
W/O motor version	10790500V00~V01	10791000V00~V01

Applications

- ✓ Food Processing
- ✓ Food Packaging
- ✓ Woodworking
- ✓ Degassing
- ✓ Plastic Industry
- ✓ Thermoforming
- ✓ Material Transport & Holding
- ✓ Environmental Engineering

¹⁾ According to DIN EN ISO 2151

* For detailed information on our full scope of CLAWVAC pumps and motor versions, please refer to our general catalog. Visit our webshop www.leyboldproducts.com