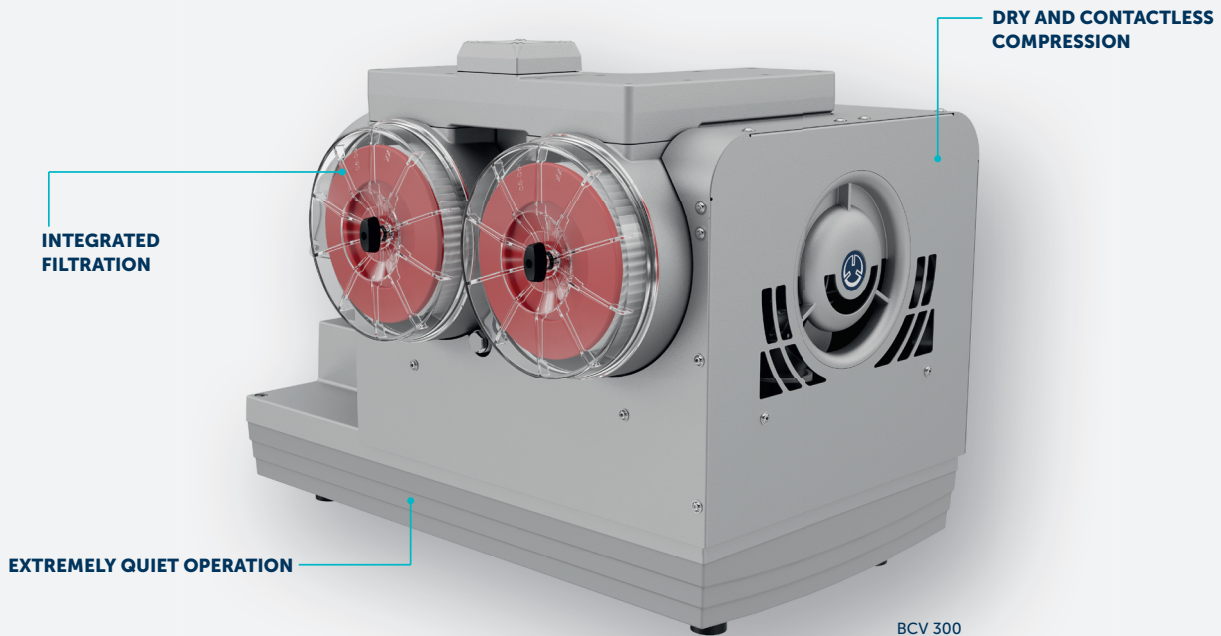


BCV 100 – BCV 300 & BCP 100 – BCP 300

# CLAW PUMPS

MAKE IT BECKER.



## BECKER CLAW PUMPS

The BC series is a twin-shaft, dry and contactless compressing claw pump series designed to meet the needs of demanding industrial environments. Its integrated filtration with a particular high capacity builds a unique feature in the claw pump market.

The series are supplied in all sizes as vacuum pumps or compressors in various versions. The premium variant VARI AIR includes an integrated converter for speed control. With features such as constant pressure, fast adaptation to changing operating points and standard fieldbus protocols, integration into higher-level systems such as VARI AIR Controller+ is simplified. This series sets the basis for BECKER Rough Vacuum Systems (RVS), for example.

For further information please refer to the VARI AIR & VARI AIR Controller+ product flyers.

## EFFICIENCY

- High efficiency of the vacuum pump
- Low installed motor power
- High efficient IE3 motors
- UL/CSA approved motors
- Speed control (IE4 on request) for optimization to the desired operating point without throttle losses
- Plug & Play VARI AIR Unit with integrated converter for high efficiency and compact design
- integrated pressure sensor for optimal control in VARI AIR

## CUSTOMIZATION

- Wide range of motors with focus on global voltage networks
- In addition to the extensive modular kit of accessories, customer-specific product solutions, even for small quantities, belong to our expertise.

## ADVANTAGES

- Made in Germany
- Three frame sizes for nominal volume flows from 60 - 325 m<sup>3</sup>/h
- Extremely quiet operation over the entire pressure range
- Integrated filtration with transparent filter caps for easy visual inspection
- Integrated safety valve
- Air-cooled
- Smooth surfaces
- Easy Access Concept (easy access to filter elements and compressor components)
- Corrosion protection variants „PRO“ with condensate drain against moisture damage
- Extended service intervals
- Modular design for quick and easy service access
- VARI AIR increases volume flow by 20 % at 50 Hz mains

## SPECIFICATIONS

### VACUUMPUMPS

	BCV 100		BCV 150		BCV 300	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
m <sup>3</sup> /h (nominal)	100	120	150	180	275	325
mbar absolute	50	50	100	100	150	150

	VARIAIR BCV 100		VARIAIR BCV 150		VARIAIR BCV 300	
	30 Hz ... 60 Hz		30 Hz ... 60 Hz		30 Hz ... 60 Hz	
m <sup>3</sup> /h (nominal)	60 ... 120		90 ... 180		165 ... 325	
mbar absolute	50	50	100	100	150	150

### COMPRESSORS

	BCP 100		BCP 150		BCP 300	
	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz
m <sup>3</sup> /h (nominal)	100	120	150	180	275	325
mbar absolute	3000	3000	3000	3000	3000	3000
bar relative	+2.0	+2.0	+2.0	+2.0	+2.0	+2.0

## BECKER SOLUTIONS

As a leader in the field of suction and blast air we offer sophisticated solutions driven by your individual needs.

Becker claw pumps provide ideal solutions for different applications:

- Woodworking industry: Handling or clamping purposes
- Printing and paper industry: Suction air or blow air supply
- Electronics industry: Handling processes
- Medical sector: Central vacuum supply in hospitals
- Pneumatic conveying: Transport of plastic granulates, powders etc.
- Food industry: Thermoforming processes as well as dry packaging applications
- Central air supply systems: vacuum or compressed air systems for optimizing decentralized individual machine supplies
- Air separation units: Use in vacuum/pressure adsorption systems

