

# VARIO® chemistry pumping unit PC 3002 VARIO select EK Peltronic

[Link to the website](#)



## Product description

VARIO® pumps and pumping units provide precise vacuum control by adaptation of the diaphragm pump's motor speed. They feature fully automatic evaporation control on the push of a button. The basic pump is the MZ 2C NT VARIO two-stage chemistry diaphragm pump which meets medium vacuum requirements for most solvents. The pumping unit PC 3002 VARIO is a well proven choice for evaporation of large amounts of solvents. The separator at the inlet collects particles and liquid droplets. The waste vapor condenser Peltronic® at the outlet enables near-100-percent solvent recovery, efficient recycling and active environmental protection without external coolant. The on-demand motor speed control results in unsurpassed lifetimes of service parts, such as diaphragms.

## Performance features

- VACUU-SELECT vacuum controller with graphical user interface and predefined applications simplifies work in the laboratory
- automatic boiling point detection and adjustment of the vacuum for short process times
- compact and efficient, good ultimate vacuum even with open gas ballast valve
- very quiet, low-vibration operation and extra long service intervals
- excellent environmental friendliness due to efficient solvent recovery without external coolant

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
PC 3002 VARIO select EK Peltronic	200-230 V   50-60 Hz	IEC plug EN 60320	20733574

## Items supplied

Pumping unit with Peltronic emission condenser, with manual.

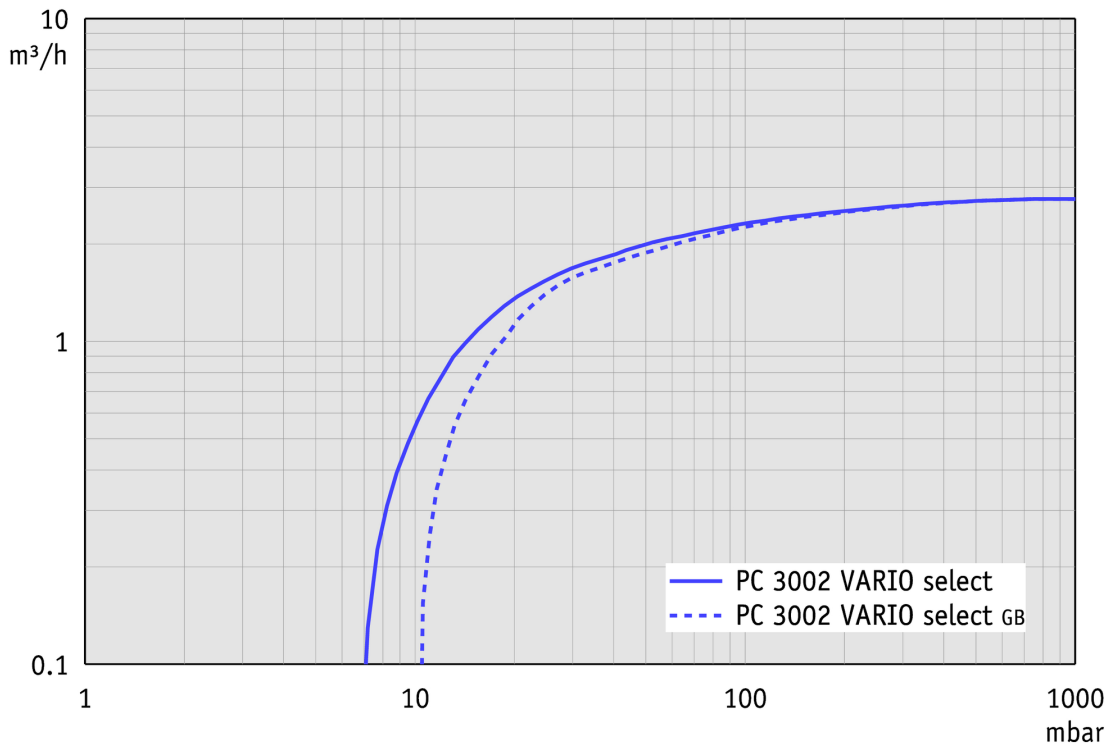
## Accessories

- Function extension for VACUU-SELECT controller VACUU-SELECT User Management (20700900)
- Rubber vacuum tubing DN 8 mm (20686001)
- VACUU-LAN® module Einstellwinkel 90° (20637873)
- Fluid level sensor for round bottom flask 500 ml 500 ml (20699908)
- Cooling water valve VKW-B (20674220)

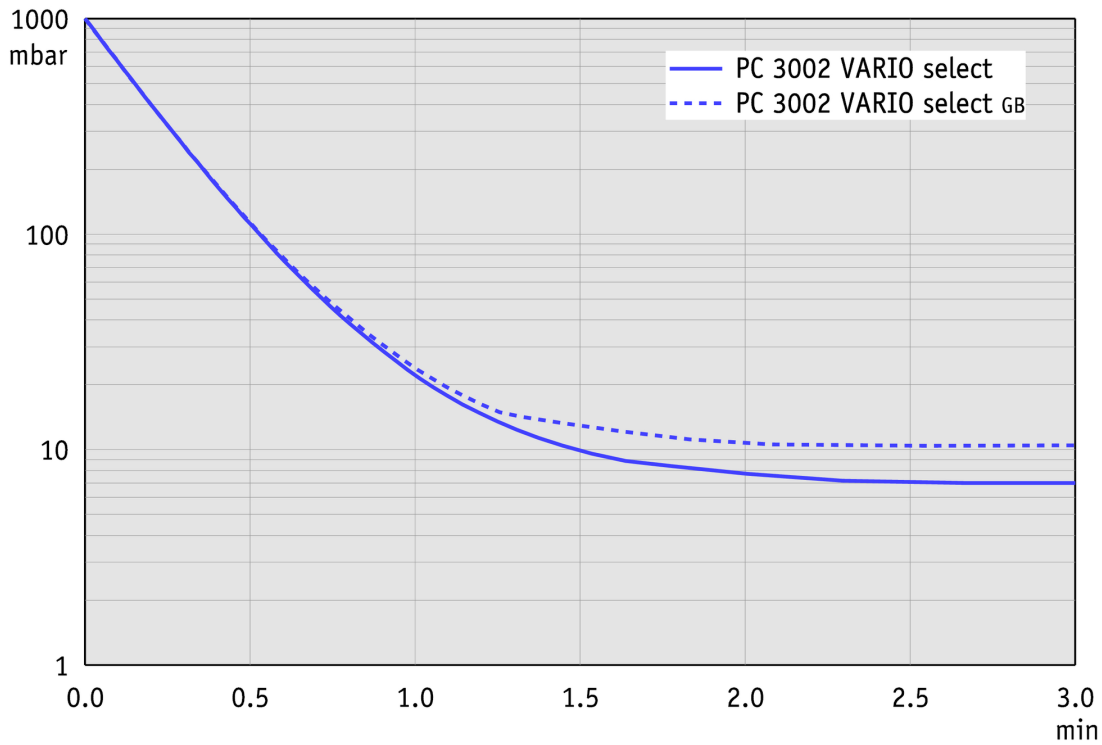
## Technical data

Max. pumping speed 50 Hz (mbar)	2.8 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	1.65 cfm
Ultimate vacuum	7 mbar / 5 torr
Ultimate vacuum with gas ballast	12 mbar / 9 torr
Number of heads	2
Number of stages	2
Vacuum controller	VACUU·SELECT
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	1.1 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Rated motor power	0.53 kW
Motor speed range	30 - 2400 min <sup>-1</sup>
Protection class IEC 60529	IP 20
Dimensions (L x W x H)	402 mm x 361 mm x 457 mm
Weight	22 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	43 dBA
ATEX conformity	II 3/- G Ex h IIC T3 Gc X Internal Atm. only
NRTL certification	No
Interface	Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required)

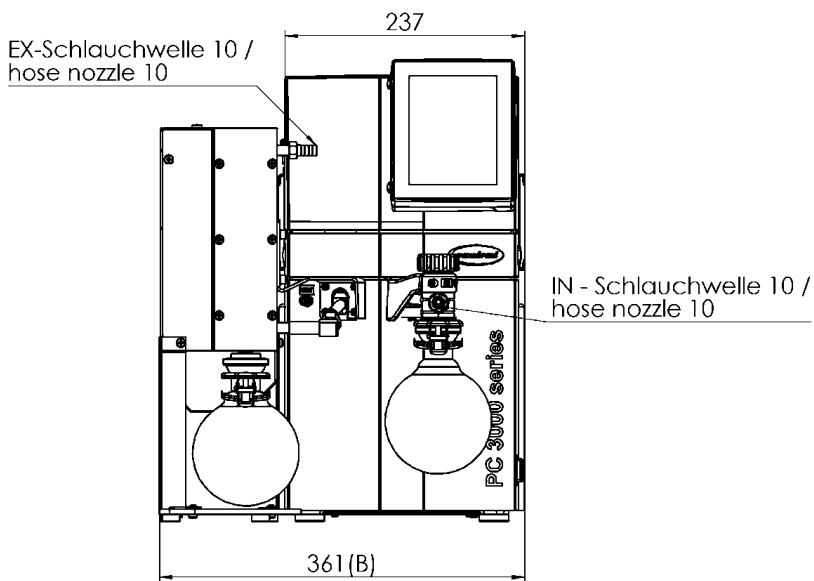
Pumping speed graph at 50 Hz



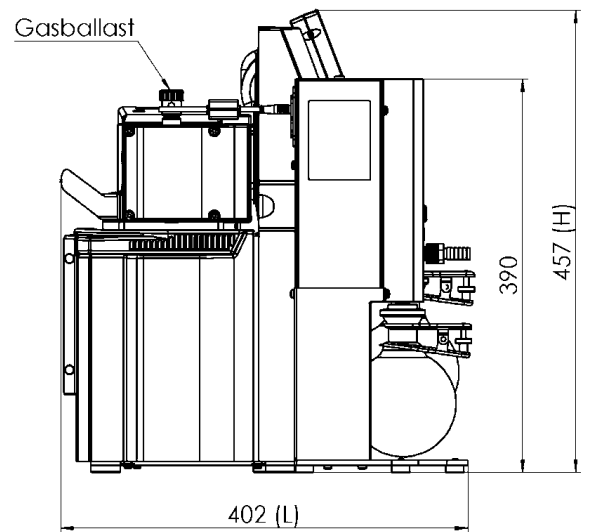
Pump down graph at 50 Hz (10 l volume)



Dimension sheet



Alle Maße / all dimensions (mm)  
Gewicht / weight: ca.22 kg



VACUUBRAND PC 3002 VARIO select EKP  
Version 2018/04/05

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**VACUUBRAND®**

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With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

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