VACUUBRAND®

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

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Link to the website:
https://shop.vacuubrand.com/20733574

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 included Peltronic emission condenser, with operating manual, without power cable.

Accessories

- Function extension for VACUU·SELECT controller VACUU·SELECT User Management (20700900)
- Vacuum tubing transparent DN 8 mm (20686061)
- Adjustable elbow DN 10/8 mm (20637873)
- Fluid level sensor for round bottom flask 500 ml 500 ml (20699908)
- Cooling water valve VKW-B (20674220)
- Set of diaphragms and valves MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)
- Set of diaphragms and valves MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)

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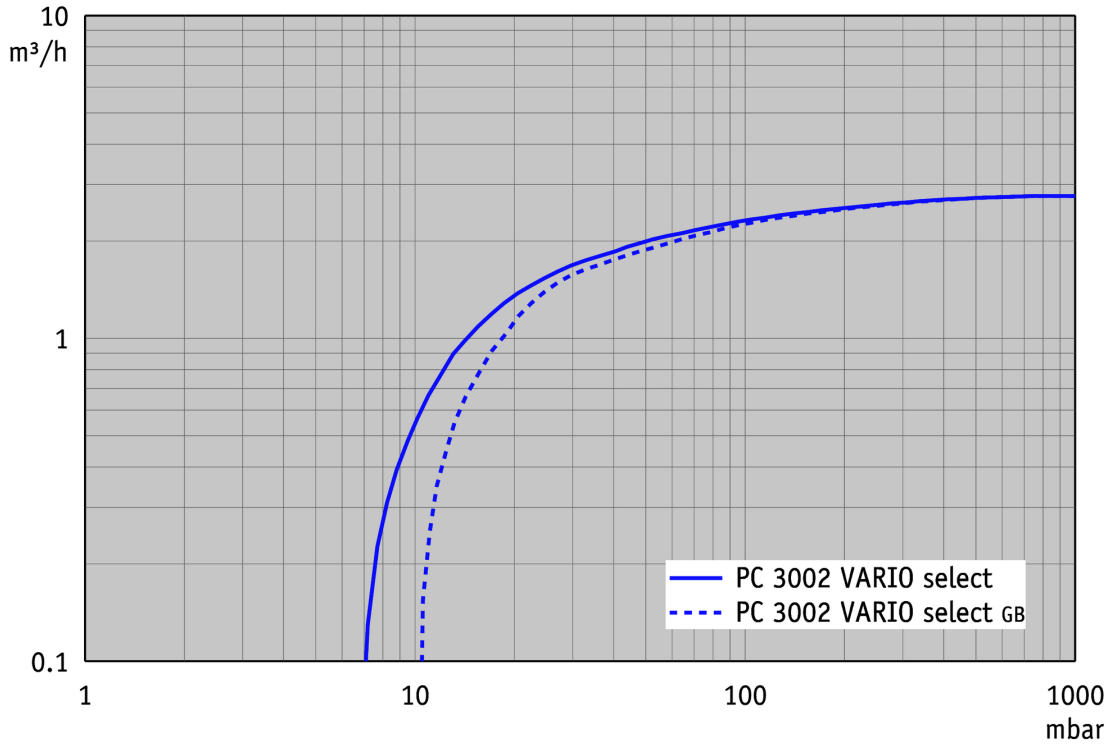
Technical data

Max. pumping speed 50 Hz (m^3/h)	2.8 m^3/h
Max. pumping speed 60 Hz (cfm)	1.65 cfm
Ultimate vacuum	7 mbar / 5 torr
Ultimate vacumm 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^{-1}
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)

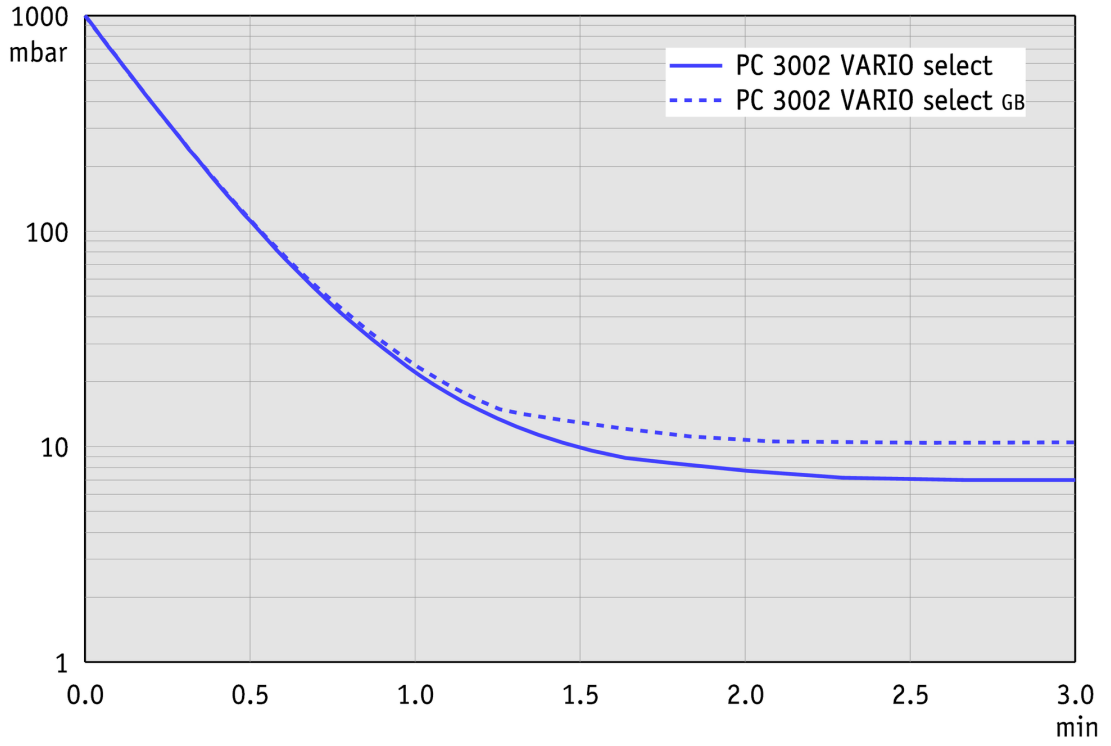
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Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (10 l volume)

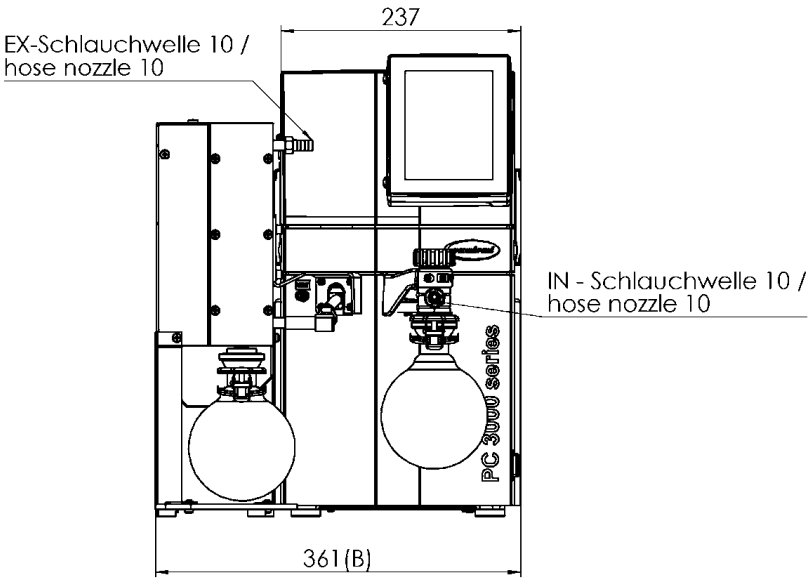


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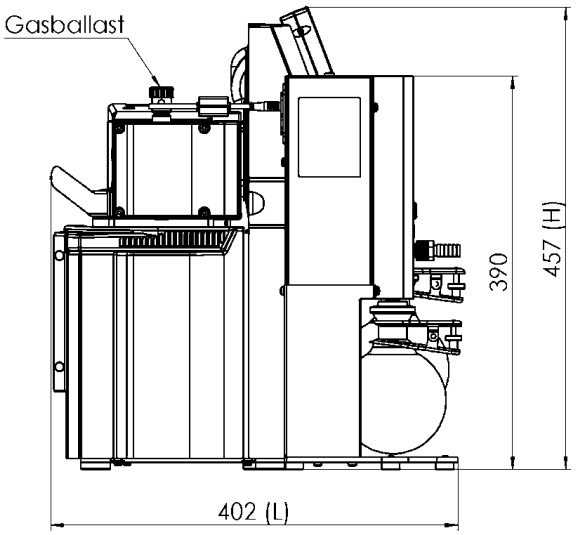
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Dimension sheet





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.

All with one goal:
Enabling our customers to run reliable, safe and efficient processes. This is why we commit ourselves to continuous innovation, first-class performance, and outstanding quality.

Engineering excellence is central to our ability to deliver products and solutions renowned for their quality, durability, and reliability. Innovative technology, high quality materials and extensive testing deliver unmatched performance - engineered and manufactured in Germany.

Together with you, our experts will find the best solution for your application and provide you with first-class service along the way.

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