VACUUBRAND®

VARIO® chemistry pumping unit PC 3001 VARIO^{pro}



Link to the website

Product description

This VARIO® chemistry pumping unit optimizes vacuum conditions automatically by precisely and continuously adjusting the diaphragm pump´s motor speed. Thanks to the motor speed control the pump operates only when vacuum is needed, saving energy and reducing maintenance. The integrated vacuum controller enables fully automatic evaporation at a push of a button. Low space requirements, light weight and low operational noise contribute further to this unit's flexibility and popularity for laboratory use. The PC 3001 VARIO^{pro} is ideal for vacuum applications with high boiling point solvents. The inlet separator, made of glass with a protective coating, prevents droplets and particles from entering the pump. The highly efficient insulated exhaust vapor condenser has a very compact design and provides near-100-percent recovery of solvents.

Performance features

- easily operated CVC 3000 vacuum controller with clear text menus and integrated venting valve
- automatic optimization of the vacuum level throughout the process for high process reproducibility and unattended operation, short process times due to zero-fluctuation (hysteresis-free) vacuum control - even for large amounts of vapor
- compact and powerful; excellent ultimate vacuum, even with continuous condensate purge
- whisper quiet and ultra low vibration
- excellent environmental friendliness due to low power consumption and efficient solvent recovery

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Link to the website:
https://shop.vacuubrand.com/20696703

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
PC 3001 VARIO^{pro}	200-230 V | 50-60 Hz 100-120 V | 50-60 Hz	US	20696703

Items supplied

Pumping unit completely mounted, ready for use, with manual.

Accessories

- Set of diaphragms and valves for MD 1C, MD 1C VARIO-SP, PC 2001/ 3001 VARIO, MV 0.5C MD 1C, MD 1C +AK+EK, MD 1C VARIO-SP, PC 2001 VARIO, PC 3001 VARIO, MV 0.5C (20696828)

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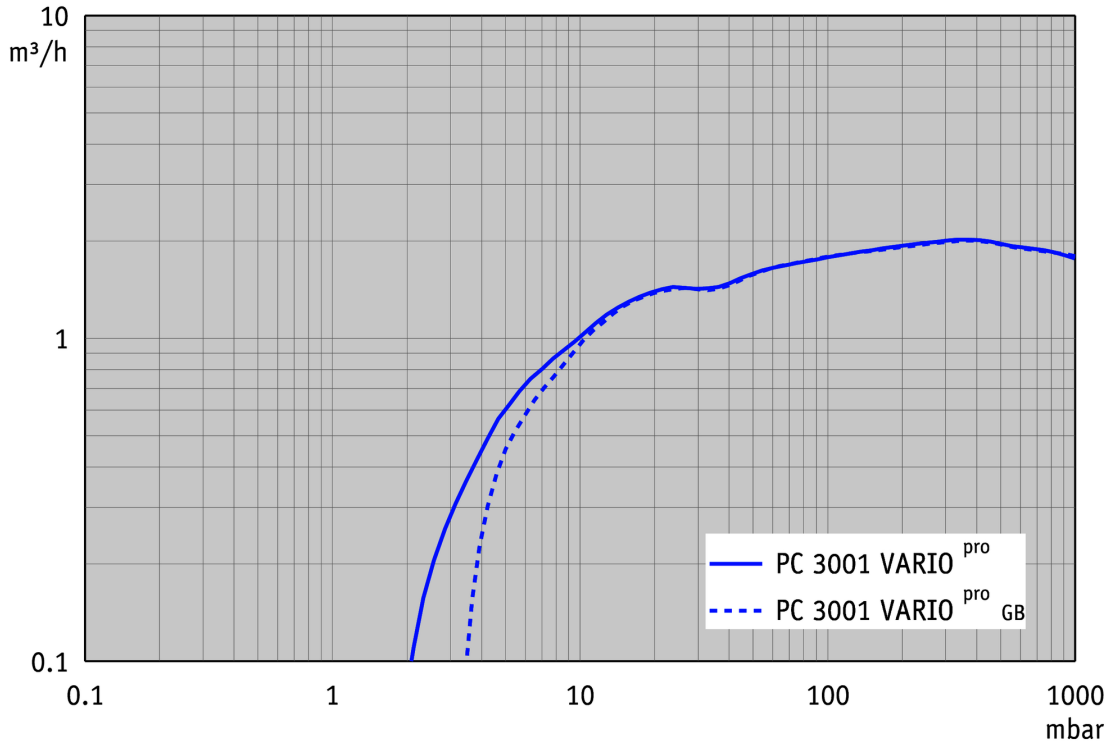
Technical data

Max. pumping speed 50 Hz (m^3/h)	2 m^3/h
Max. pumping speed 60 Hz (cfm)	1.18 cfm
Ultimate vacuum	2 mbar / 1.5 torr
Ultimate vacumm with gas ballast	4 mbar / 3 torr
Number of heads	4
Number of stages	3
Vacuum controller	CVC 3000
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 6-10 mm
Outlet connection	Hose nozzle DN 8-10 mm
Coolant connection	2 x hose nozzle DN 6-8 mm
Rated motor power	0.16 kW
Motor speed range	200 - 3000 min^{-1}
Protection class IEC 60529	IP 20
Dimensions (L x W x H)	300 mm x 306 mm x 400 mm
Weight	7.7 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	42 dBA
ATEX conformity	II 3/- G Ex h IIC T3 Gc X Internal Atm. only
NRTL certification	Yes

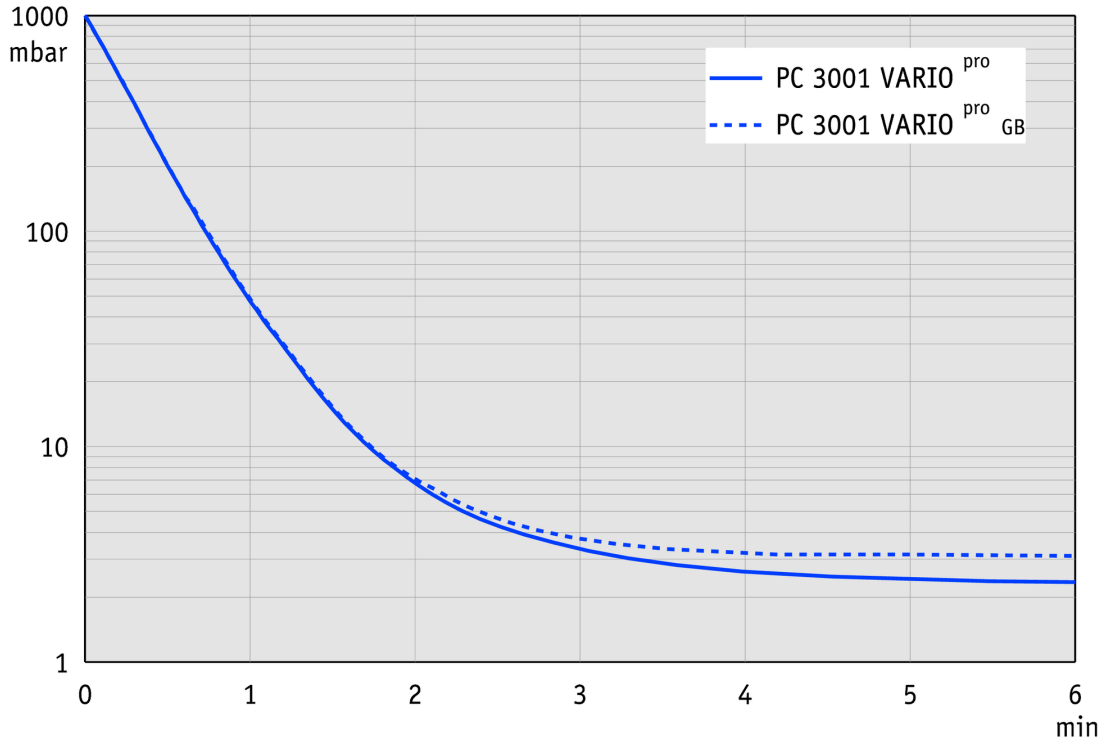
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Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (10 l volume)

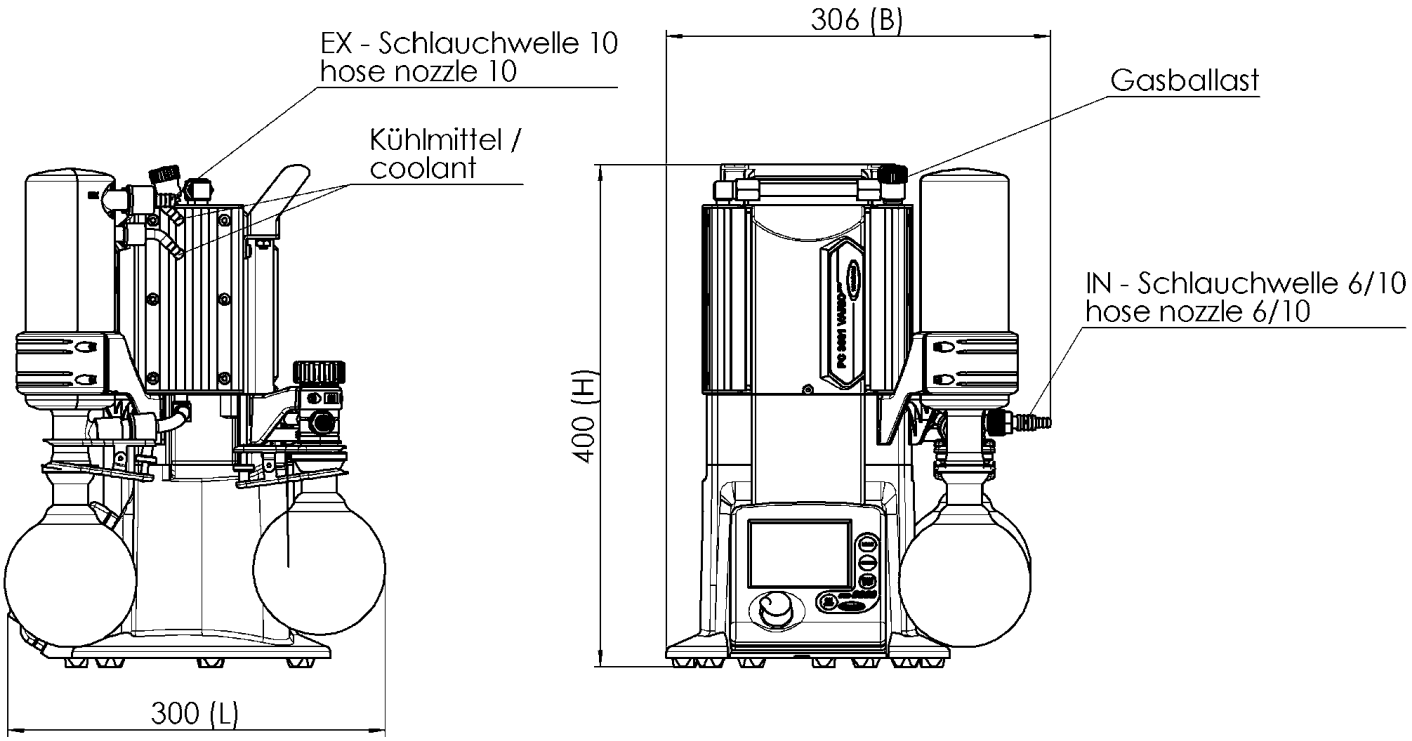


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Dimension sheet





VACUUBRAND PC 3001 VARIOpro
Version 2012/04/12

Alle Maße / all dimensions (mm)

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VACUUBRAND GMBH + CO KG
P.O. Box 1664
97877 Wertheim
T +49 9342 808 5550
F +49 9342 808 5555

info@vacuubrand.com
www.vacuubrand.com

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:
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BRAND (Shanghai) Trading Co., Ltd.
Shanghai, China

T +86 21 6422 2318
info@brand.com.cn
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.
Mumbai, India

T +91 22 42957790
customersupport@brand.co.in
www.brand.co.in

BRANDTECH® Scientific, Inc.
Essex, CT. United States of America

T +1 860 767 2562
info@brandtech.com
www.brandtech.com

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