

VARIO™ CHEMISTRY PUMPING UNIT

PC 3003 VARIO

■ Continuously optimized electronic vacuum control with very low ultimate vacuum

This VARIO pumping unit provides precise vacuum control by adaptation of the diaphragm pump's motor speed. It provides an excellent ultimate vacuum and is therefore the best solution for evaporations of high boiling solvents even at low temperatures. The separator at the inlet, made of glass with protective coating, retains particles and liquid droplets. The waste vapor condenser at the outlet enables near-100-percent solvent recovery. The on-demand motor speed control results in unsurpassed lifetimes for service parts, such as diaphragms.

PC 3003 VARIO
2.8 m³/h
0.6 mbar

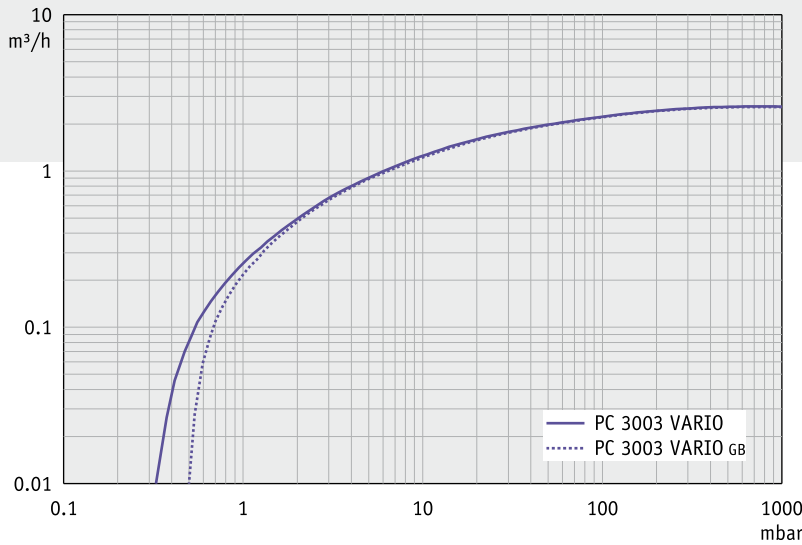


PERFORMANCE FEATURES

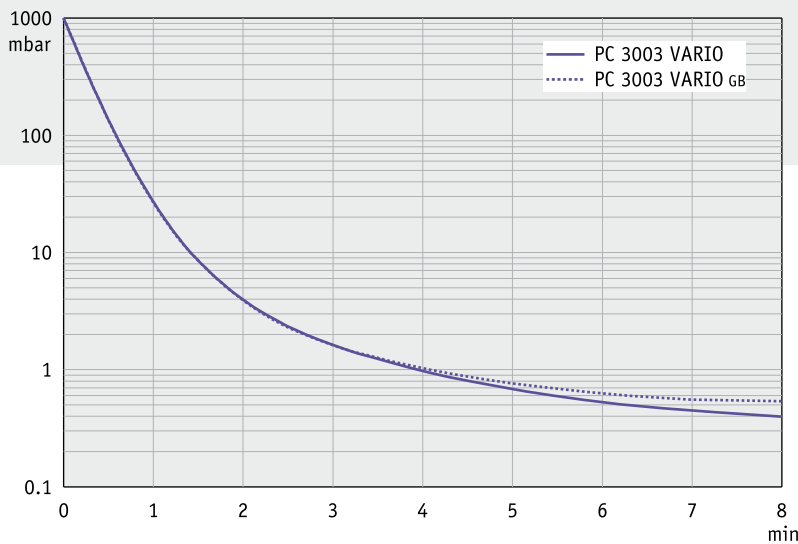
- automatic adaptation of the vacuum level throughout the process for high process reliability and unattended operation
- short process times due to zero-fluctuation (hysteresis-free) vacuum control
- ideal for high-boiling solvents and evaporation at low temperatures
- easily operated CVC 3000 vacuum controller with clear text menus, with integrated venting valve
- excellent environmental friendliness due to efficient solvent recovery

APPLICATIONS

Typical applications are all evaporation processes. Evaporation processes can be run fully automatically and with shorter process times and extra sensitive at the same time. The excellent ultimate vacuum allows even high boiling solvents to evaporate at low temperatures. The VARIO control ensures high process reliability through prevention of superheating or foaming. It adapts the vacuum level automatically to changing process parameters. The VACUU·BUS™ system ensures user-friendly connections even with complex vacuum set-ups.



Pumping speed graph at 50 Hz with/without gas ballast



Pump down graph at 50 Hz with/without gas ballast (10 l volume)

Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

TECHNICAL DATA		PC 3003 VARIO
Vacuum controller		CVC 3000
Number of heads / stages		4 / 4
Max. pumping speed	m ³ /h	2.8
Ultimate vacuum (abs.)	mbar	0.6
Ultim. vac. (abs.) with gas ballast	mbar	2
Max. back pressure (EX) (abs.)	bar	1.1
Inlet connection (IN)		Hose nozzle DN 10 mm
Outlet connection (EX)		Hose nozzle DN 10 mm
Coolant connection		2 x hose nozzle DN 6-8 mm
Rated motor power	kW	0.575
Degree of protection		IP 20
Dimensions (L x W x H)	mm	422 x 258 x 516
Weight	kg	21.0

ORDERING INFORMATION		PC 3003 VARIO
200-230 V ~ 50-60 Hz	CEE	738400
200-230 V ~ 50-60 Hz	CH	738401
200-230 V ~ 50-60 Hz	UK	738402
100-120 V ~ 50-60 Hz	US	738403

ACCESSORIES

Rubber vacuum tubing DN 10 mm (686002)
 Coolant valve VKW-B (674220)
 Vent valve VBM-B (674217)
 Liquid level sensor (699908)

ITEMS SUPPLIED

Pumping unit completely mounted,
 ready for use, with manual