

# VARIO® chemistry diaphragm pump MZ 2C VARIO select

[Link to the website](#)



## Product description

The MZ 2C VARIO select pump is an excellent solution for labs working with most common solvents. The integrated VACUU-SELECT controller provides an easy-to-use, application based interface that covers all common lab applications. The VACUU-SELECT controller has you covered. Use manual set-point-control for simple processes, run fully automated distillations, or create your own application with simple drag-and-drop editing. For solvent evaporation, the VACUU-SELECT controller detects the boiling pressure and automatically adjusts the pump to maintain process control. On-demand motor speed control yields not only improved vacuum control, but it also results in unparalleled service intervals for wear parts like diaphragms and valves.

## 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
- extraordinary diaphragm life for minimum operational and servicing costs
- excellent chemical resistance

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
MZ 2C VARIO select	200-230 V   50-60 Hz	CEE	20732450
MZ 2C VARIO select	200-230 V   50-60 Hz	CH	20732451
MZ 2C VARIO select	100-120 V   50-60 Hz	US	20732453
MZ 2C VARIO select	200-230 V   50-60 Hz	CN	20732456
MZ 2C VARIO select	200-230 V   50-60 Hz	IN	20732457

## Items supplied

Pump completely mounted, ready for use, with manual.

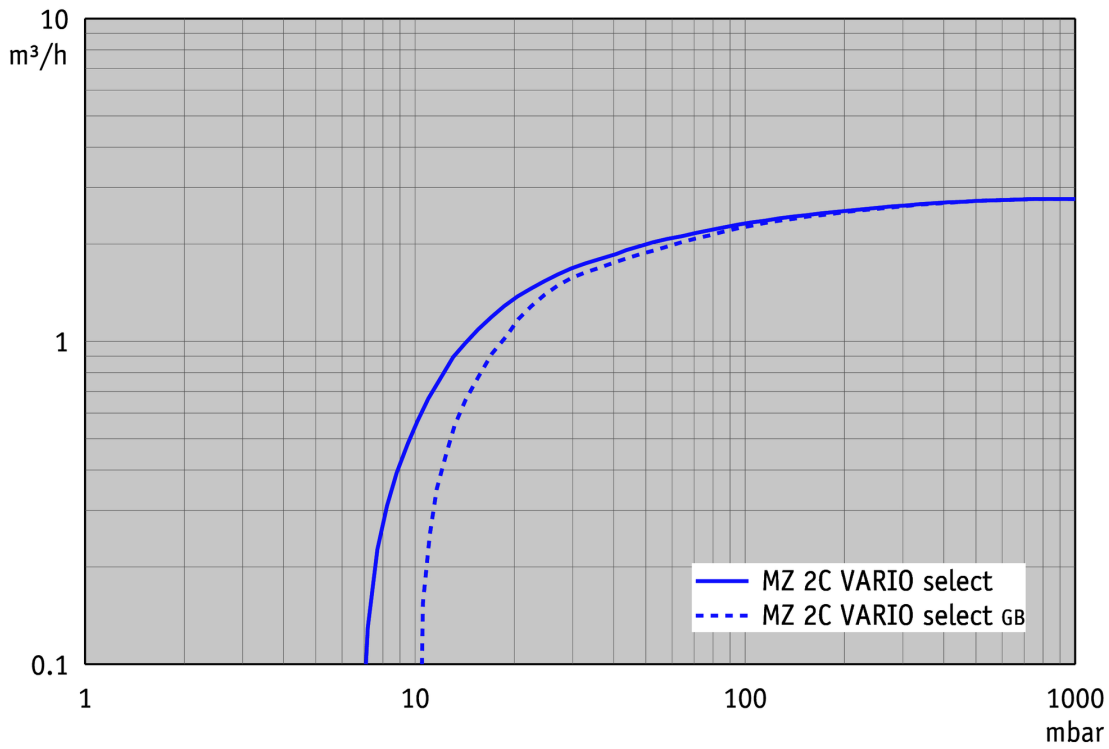
## Accessories

- Function extension for VACUU·SELECT controller VACUU·SELECT User Management (20700900)
- Silencer with hose 5cm DN 8-10mm (20636588)
- Rubber vacuum tubing DN 8 mm (20686001)
- Set of diaphragms and valves MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)

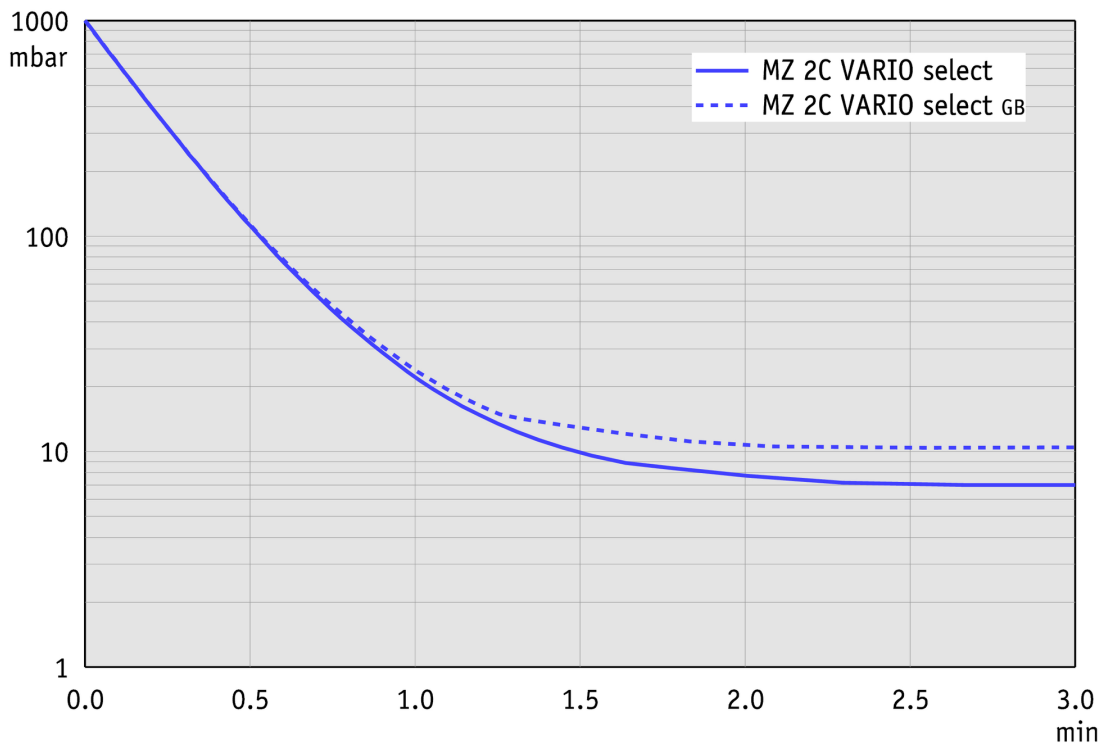
## Technical data

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)	243 mm x 243 mm x 245 mm
Weight	14.3 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)

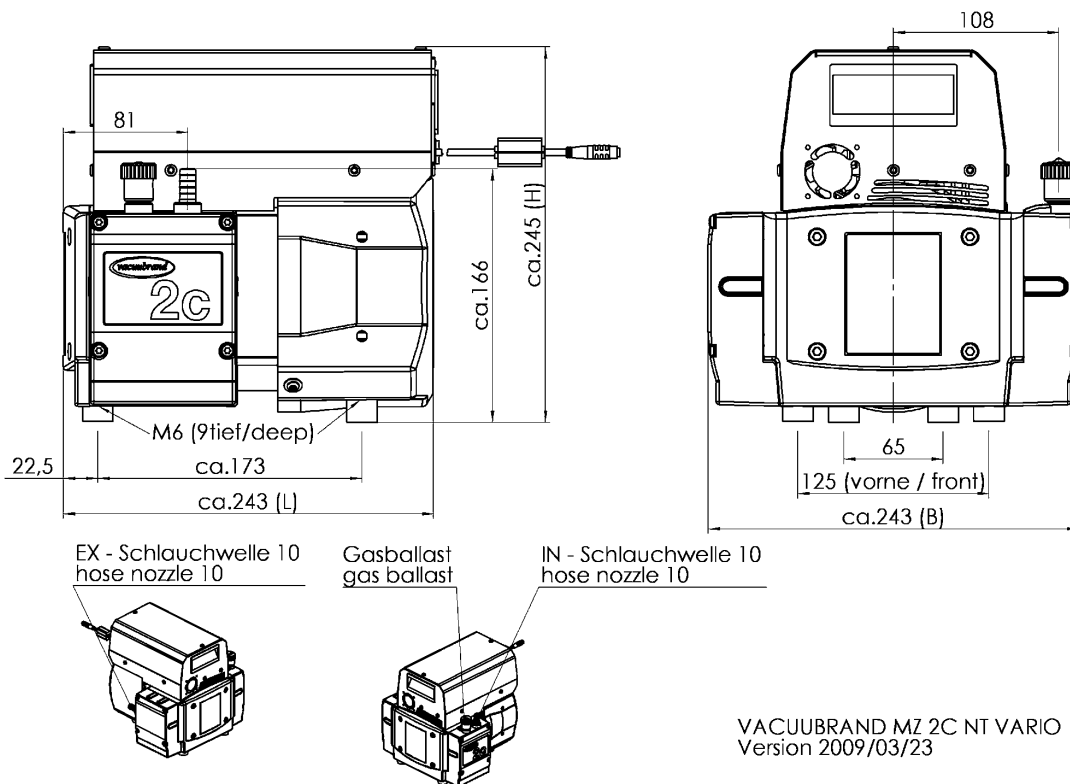
Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (10 l volume)



## Dimension sheet



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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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