

# Chemistry vacuum system MZ 2C NT +AK+EK Peltronic

[Link to the website](#)

## Product description

This chemistry vacuum system has a wide range of applications like evacuation, evaporation and pumping of gases and vapors in chemical, biological and pharmaceutical laboratories. Typical applications are rotary evaporators, vacuum concentrators and vacuum drying ovens. The separator at the inlet (AK), made of glass with protective coating, retains particles and liquid droplets. The waste vapor condenser at the outlet (EK) is highly efficient and compact. The condenser enables near-100-percent solvent recovery, efficient recycling, and active protection of the environment without external coolant.

## Performance features

- outstanding chemical resistance and superior vapor tolerance
- high performance even at low vacuum levels
- optimized vacuum even with gas ballast for condensate purge
- whisper quiet and very low vibration
- excellent environmental friendliness due to efficient solvent recovery without external coolant

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
MZ 2C NT +AK+EK Peltronic	230 V   50-60 Hz	IEC plug EN 60320	22613944

## Items supplied

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

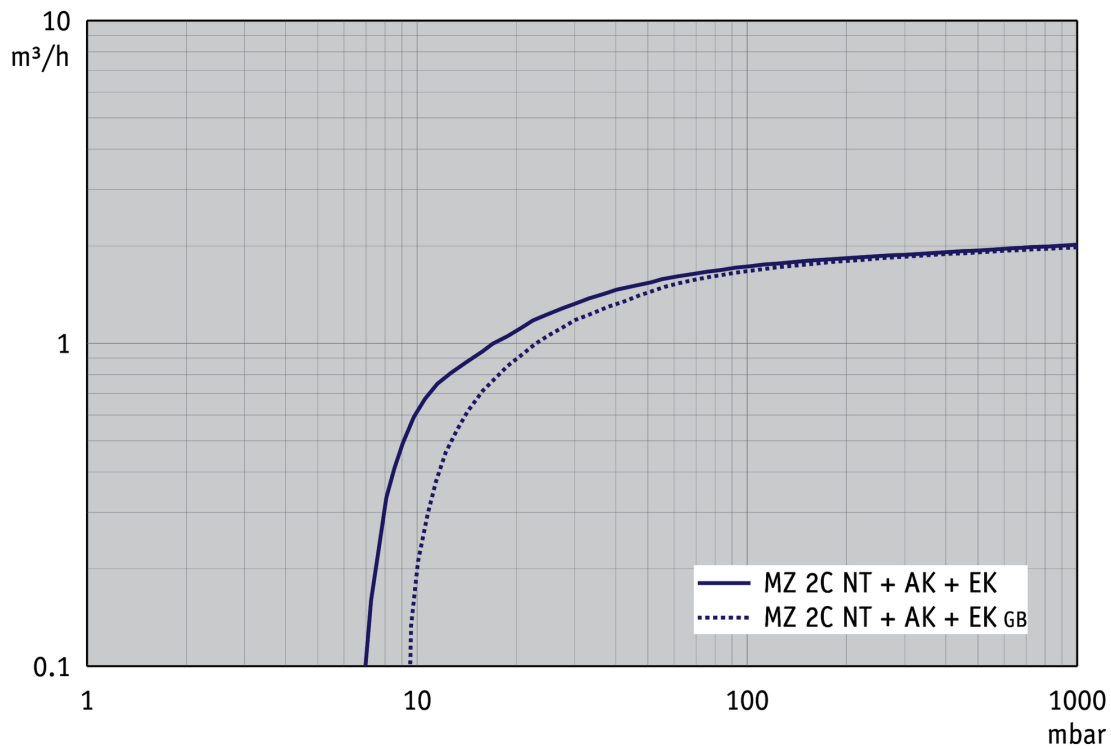
## Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- Adjustable elbow DN 10/8 mm (20637873)
- Vacuum tubing transparent DN 8 mm (20686061)
- Set of diaphragms and valves MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)
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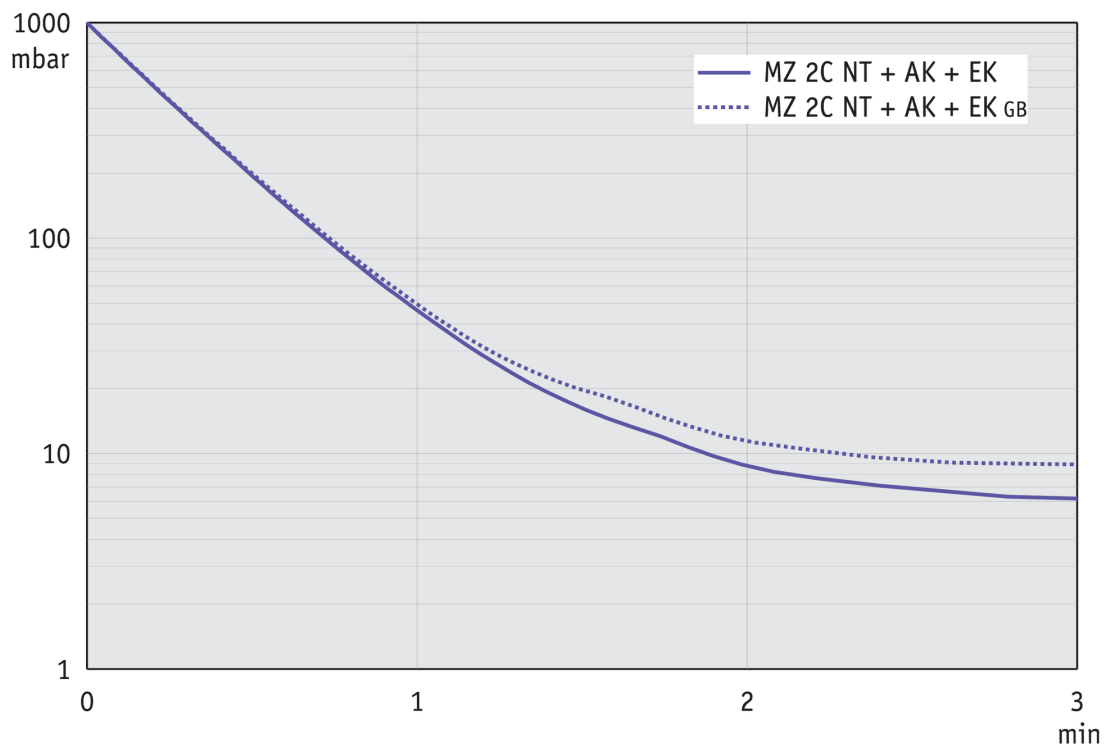
## Technical data

Max. pumping speed 50 Hz (mbar)	2 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	1.4 cfm
Ultimate vacuum	7 mbar / 5 torr
Ultimate vacuum with gas ballast	12 mbar / 9 torr
Number of heads	2
Number of stages	2
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	PTFE tubing connection 10/8 mm
Rated motor power	0.18 kW
Rated speed 50/60 Hz	1500/1800 min <sup>-1</sup>
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	360 mm x 326 mm x 392 mm
Weight	18.2 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	45 dBA
ATEX conformity	II 3/- G Ex h IIC T3 Gc X Internal Atm. only
NRTL certification	No

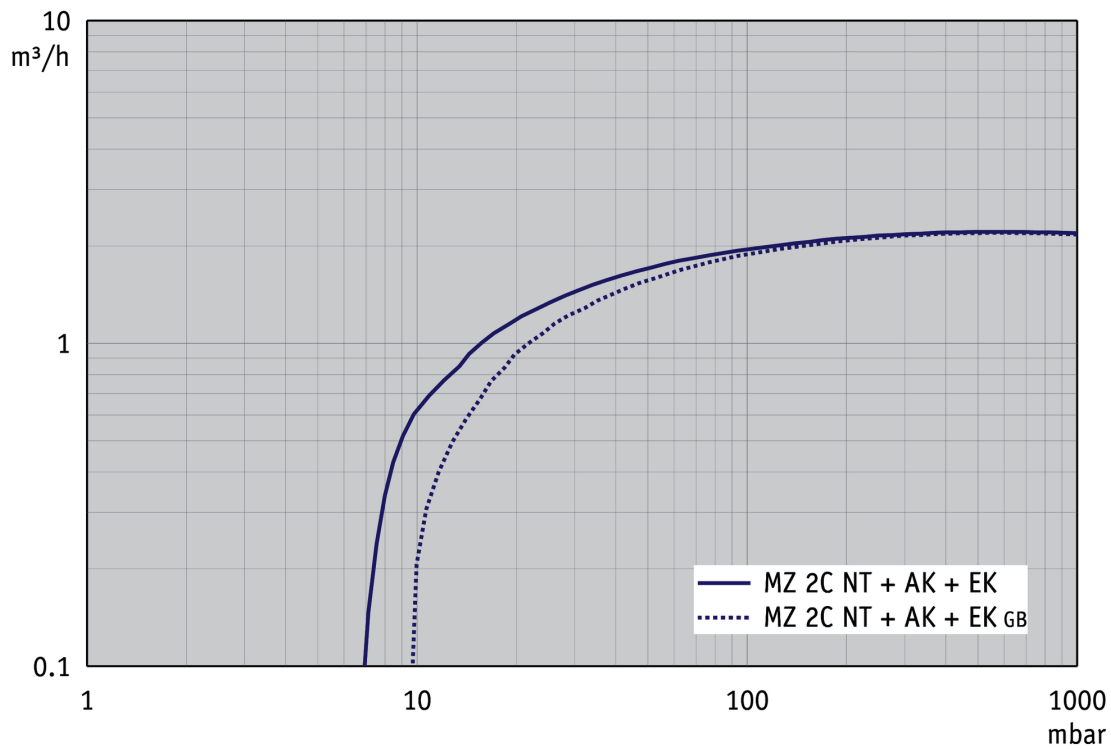
## Pumping speed graph at 50 Hz



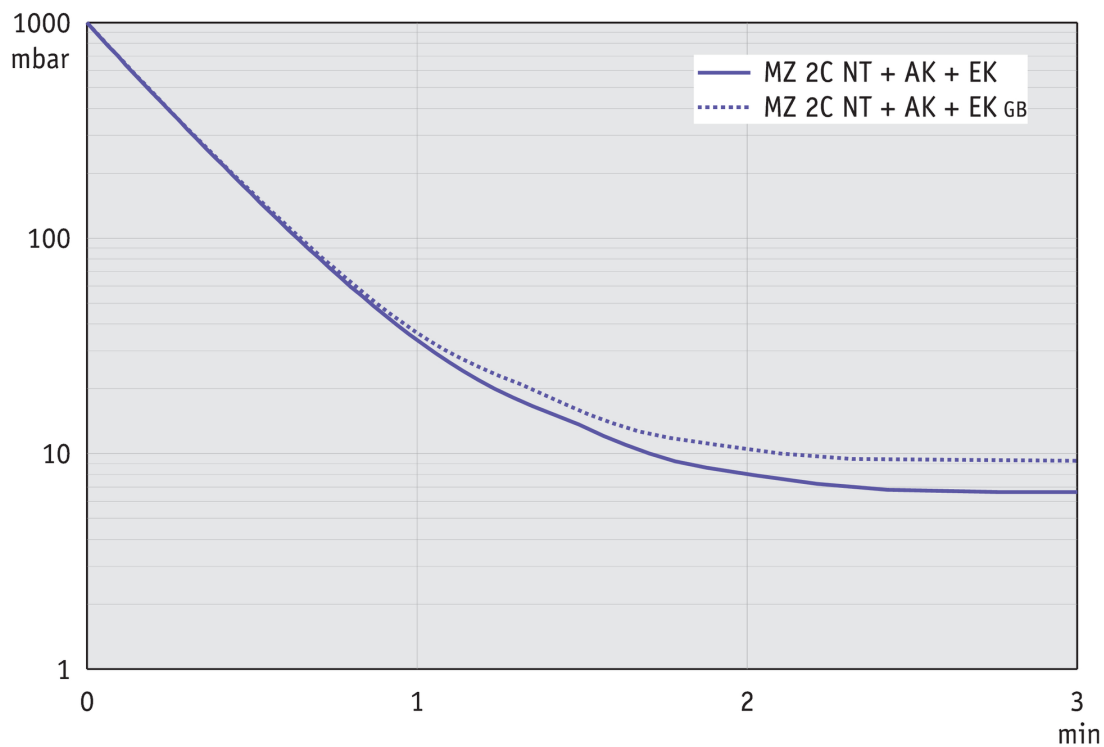
## Pump down graph at 50 Hz (10 l volume)



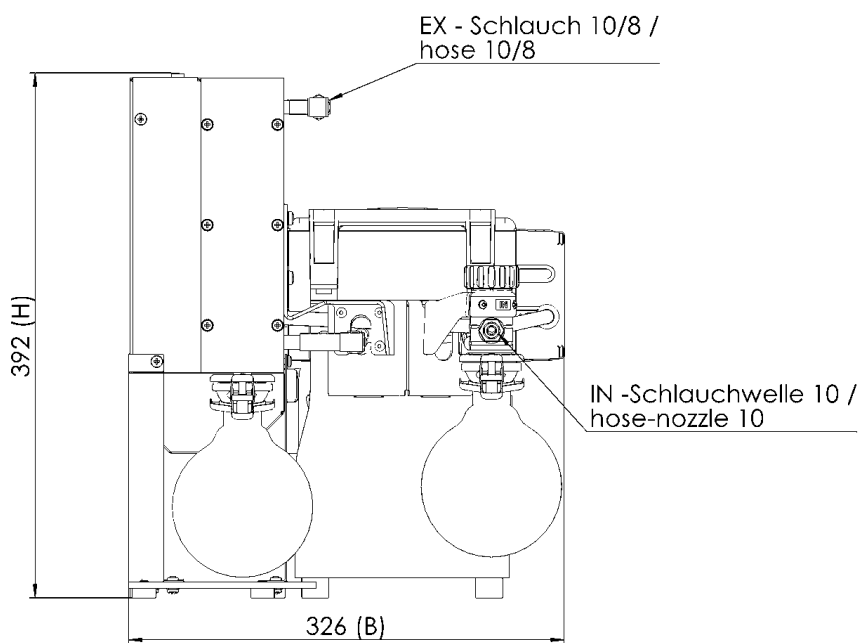
## Pumping speed graph at 60 Hz



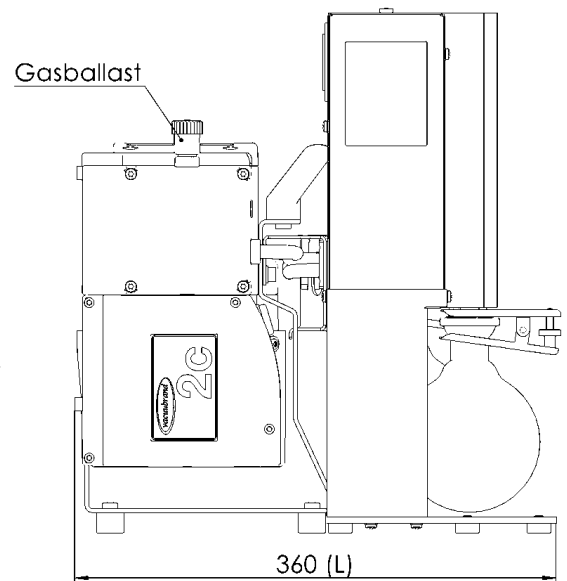
## Pump down graph at 60 Hz (10 l volume)



## Dimension sheet



Alle Maße / all dimensions (mm)



VACUUBRAND MZ 2C NT AK EKP  
Version 2012/11/26

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