

# Chemistry vacuum system MZ 2C NT +2AK

[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 where there are no requirements for condensation of solvent vapors at the outlet. Typical applications are vacuum concentrators, gel dryers and filtration. The separator at the inlet (AK), made of glass with protective coating, retains particles and liquid droplets. The separator at the outlet collects condensate, avoids condensate backflow towards the pump, and reinforces the whisper-quiet operation of the pump.

## 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
- separators at inlet and outlet to collect condensates

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
MZ 2C NT +2AK	230 V   50-60 Hz	CEE	20732500
MZ 2C NT +2AK	230 V   50-60 Hz	CH, CN	20732501
MZ 2C NT +2AK	230 V   50-60 Hz	UK, IN	20732502
MZ 2C NT +2AK	100-115 V   50-60 Hz 120 V   60 Hz	US	20732503

## Items supplied

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

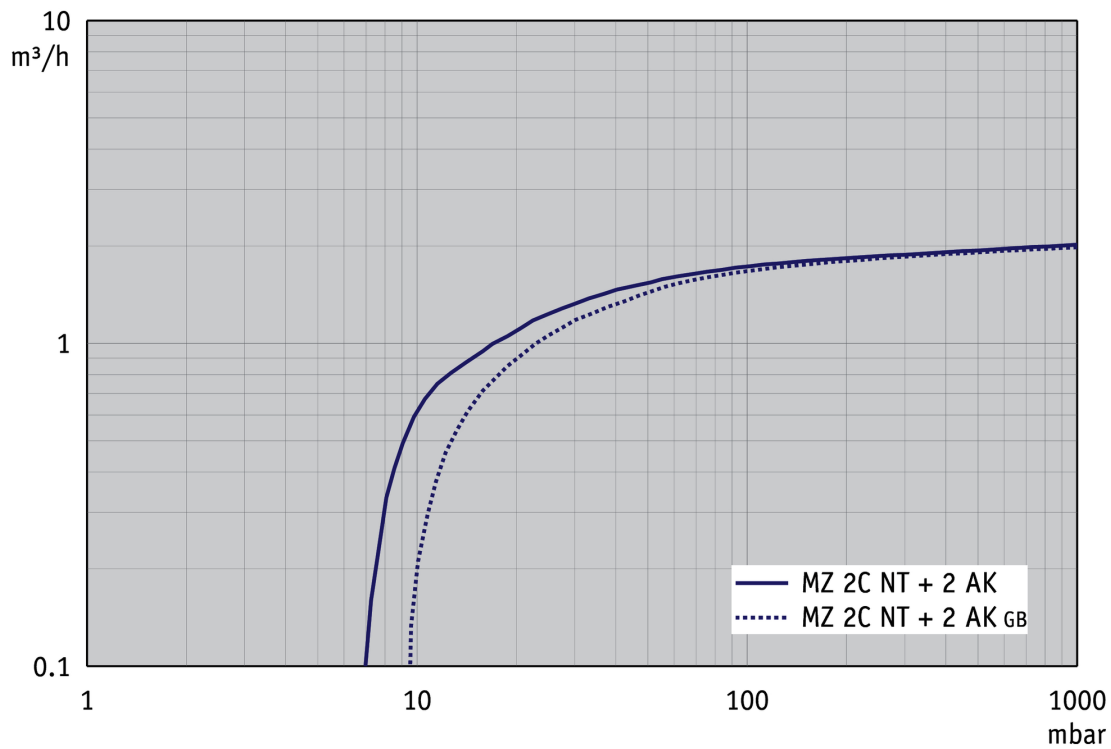
## Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- Adjustable elbow DN 10/8 mm (20637873)
- Rubber vacuum tubing DN 8 mm (20686001)
- Set of diaphragms and valves MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)

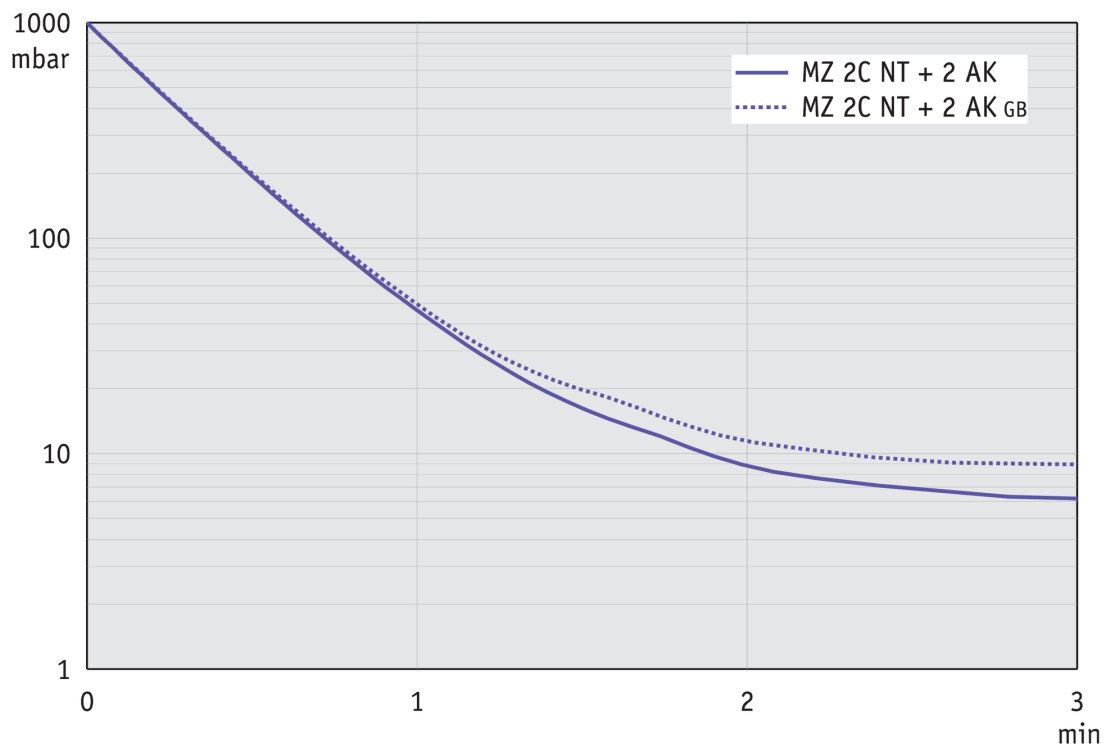
## Technical data

Max. pumping speed 50 Hz (mbar)	2 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	Hose nozzle DN 8-10 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)	319 mm x 243 mm x 309 mm
Weight	13.6 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	Yes

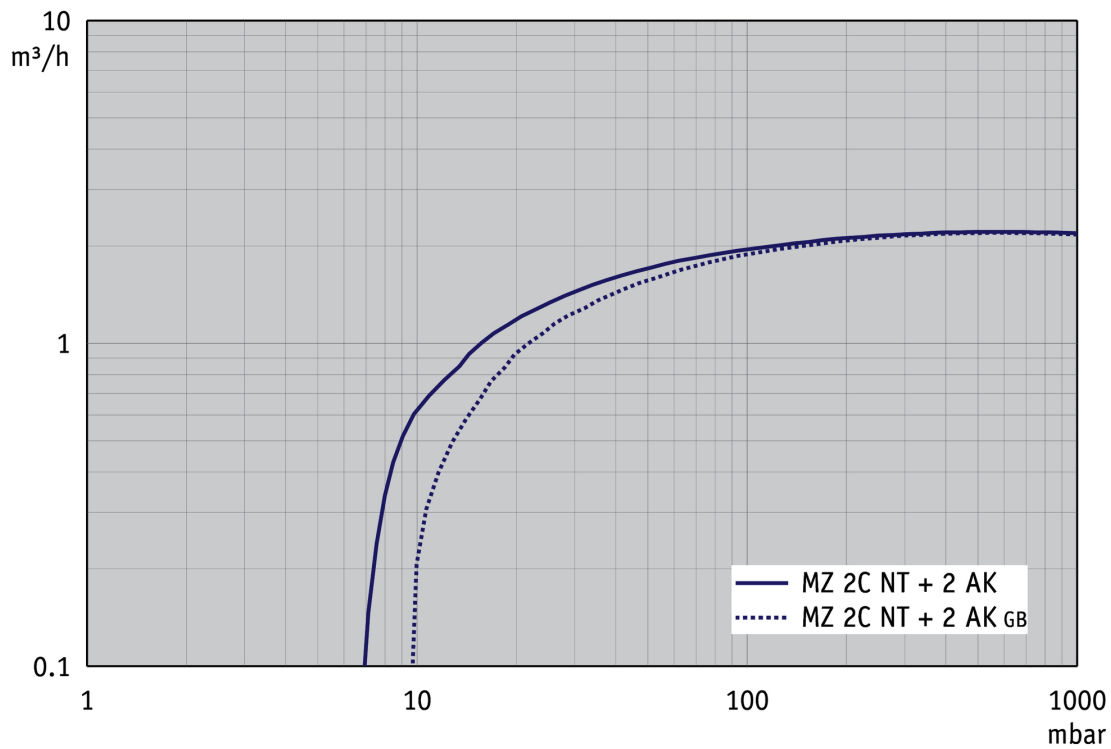
## Pumping speed graph at 50 Hz



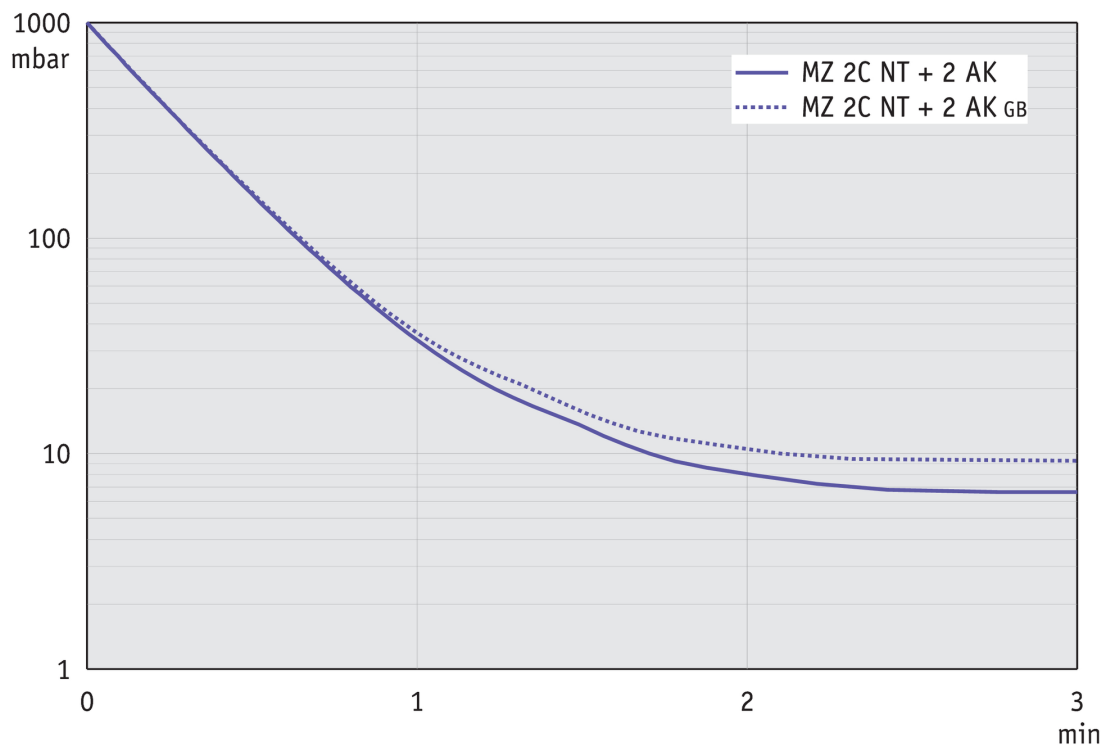
## Pump down graph at 50 Hz (10 l volume)



## Pumping speed graph at 60 Hz



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

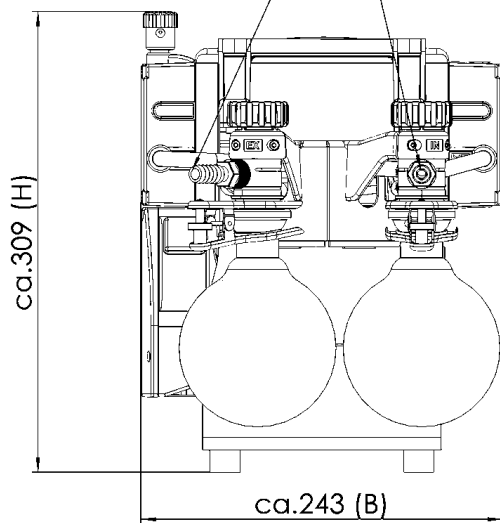


## Dimension sheet



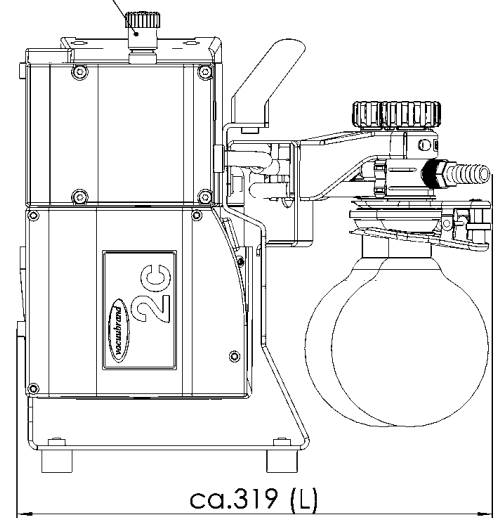
EX - Schlauchwelle 10 /  
hose-nozzle 10

IN - Schlauchwelle 10 /  
hose-nozzle 10



Alle Maße / all dimensions (mm)  
Gewicht / weight: 13,6 kg

Gasballast



VACUUBRAND MZ 2C NT 2AK  
Version 2009/05/05

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