

# Diaphragm pump MZ 2 NT

[Link to the website](#)

## Product description

Diaphragm pumps are an excellent solution for continuous, oil-free evacuation and pumping of gases. All parts in contact with pumped media are made of aluminum and selected plastics and allow a wide range of applications for non corrosive gases. The two-stage construction provides the advantageous combination of high pumping speed and an ultimate vacuum down to 7 mbar. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life. The new NT-series features further improved performance data.

## Performance features

- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
MZ 2 NT	230 V   50-60 Hz	CEE	20732000
MZ 2 NT	230 V   50-60 Hz	CH, CN	20732001
MZ 2 NT	230 V   50-60 Hz	UK, IN	20732002
MZ 2 NT	100-115 V   50-60 Hz 120 V   60 Hz	US	20732003

## Items supplied

Pump completely mounted, ready for use, silencer, hose nozzle, with manual.

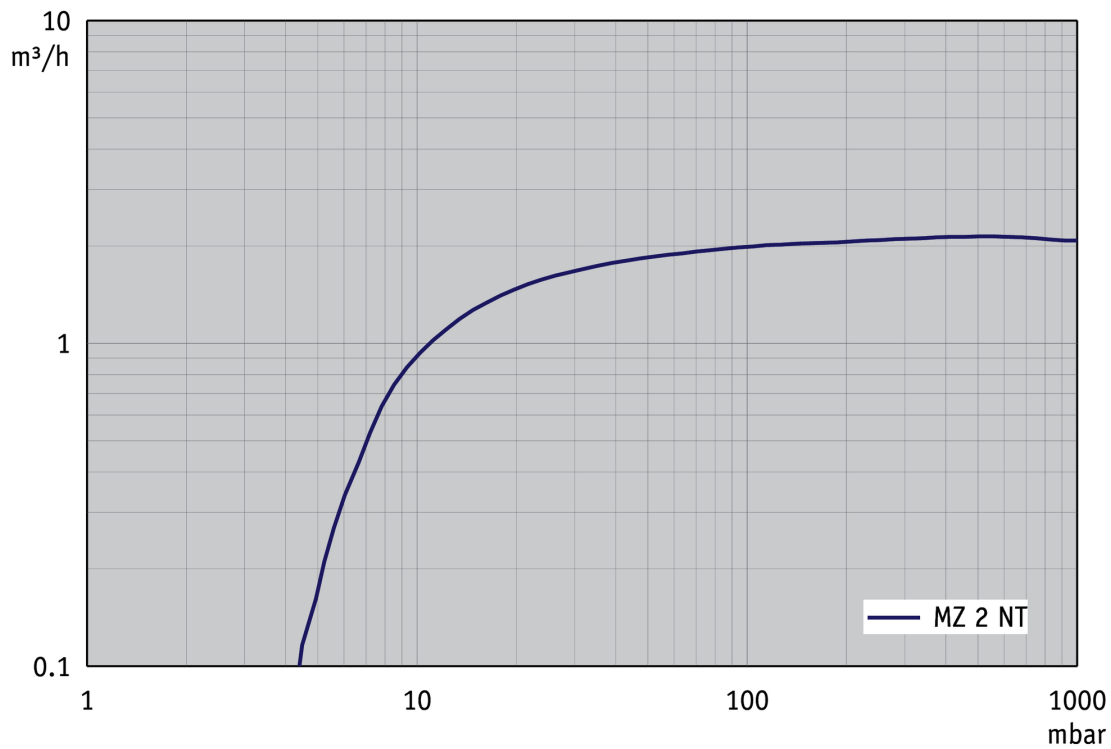
## Accessories

- Rubber vacuum tubing DN 8 mm (20686001)
- Regulator valve for vacuum ME / MZ / MD 4 / NT (20696840)
- Set of diaphragms and valves MZ 2 NT / ME 4 NT + VARIO (20696860)

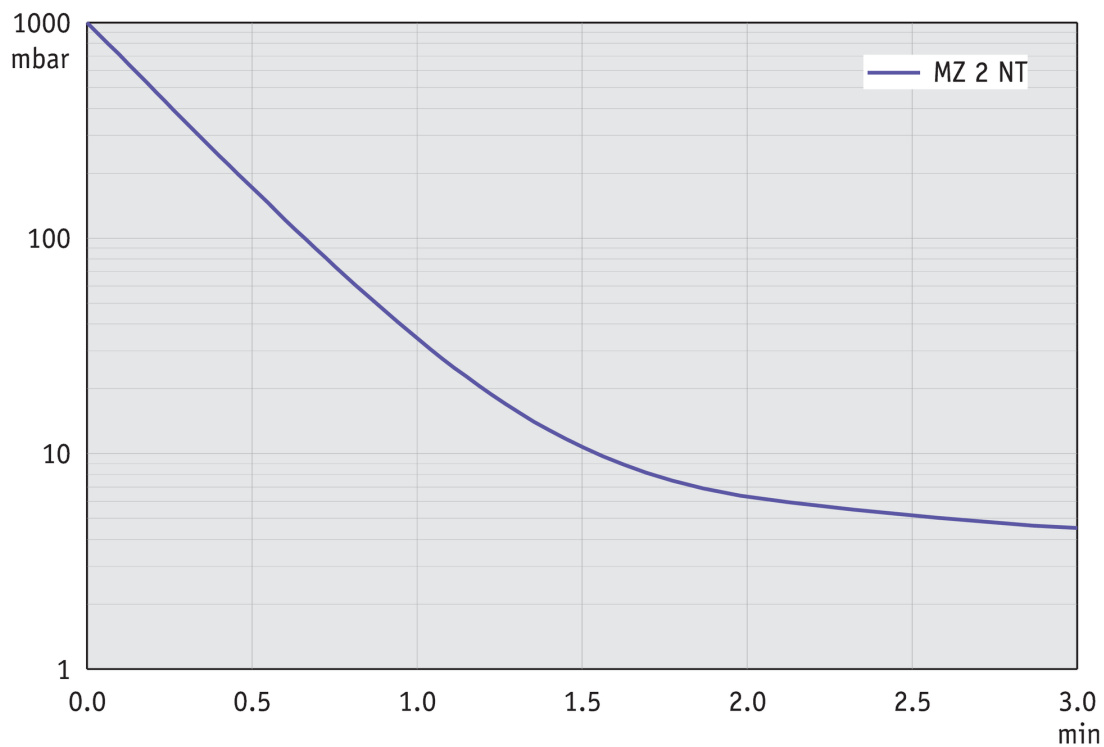
## Technical data

Max. pumping speed 50 Hz (mbar)	2.2 m <sup>3</sup> /h
Max. pumping speed 60 Hz (cfm)	1.4 cfm
Ultimate vacuum	7 mbar / 5.2 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.)	2 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	G1/4"
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)	245 mm x 239 mm x 198 mm
Weight	11.0 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

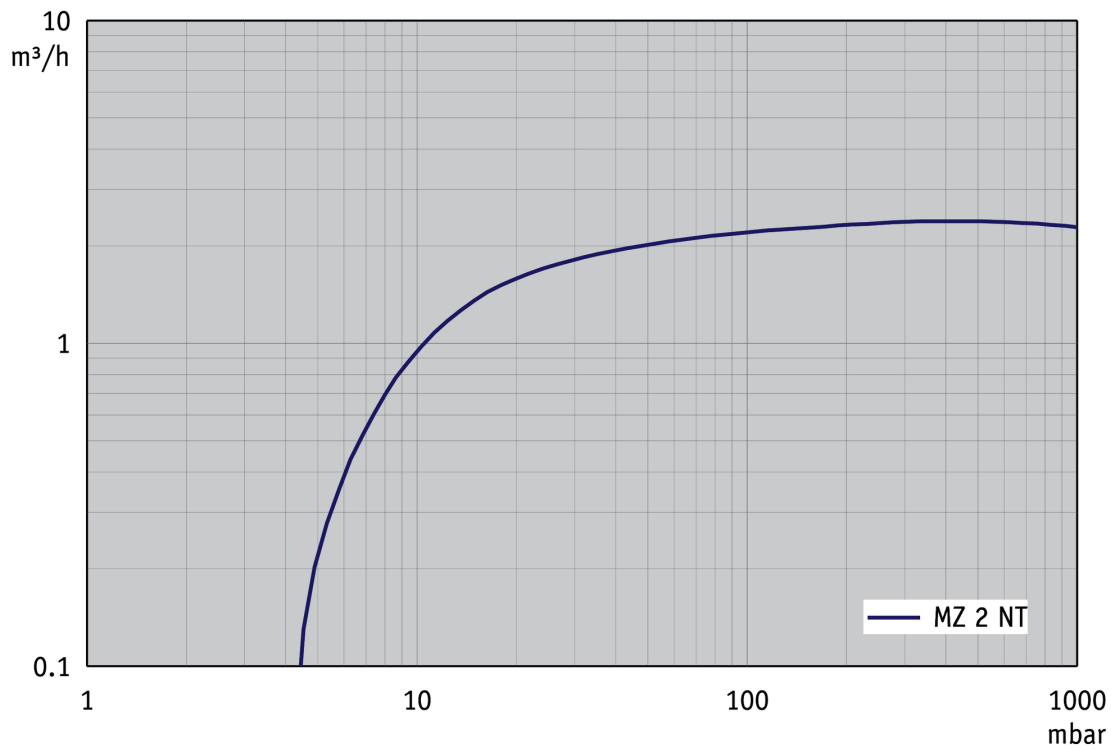
## Pumping speed graph at 50 Hz



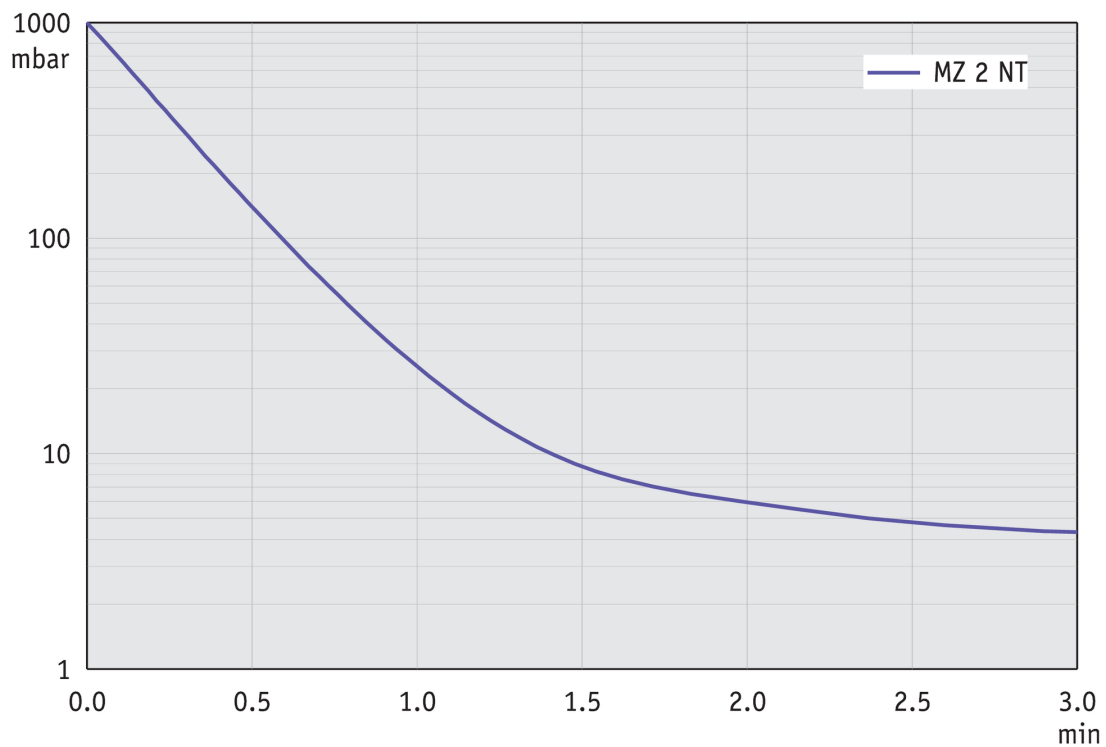
## Pump down graph at 50 Hz (10 l volume)



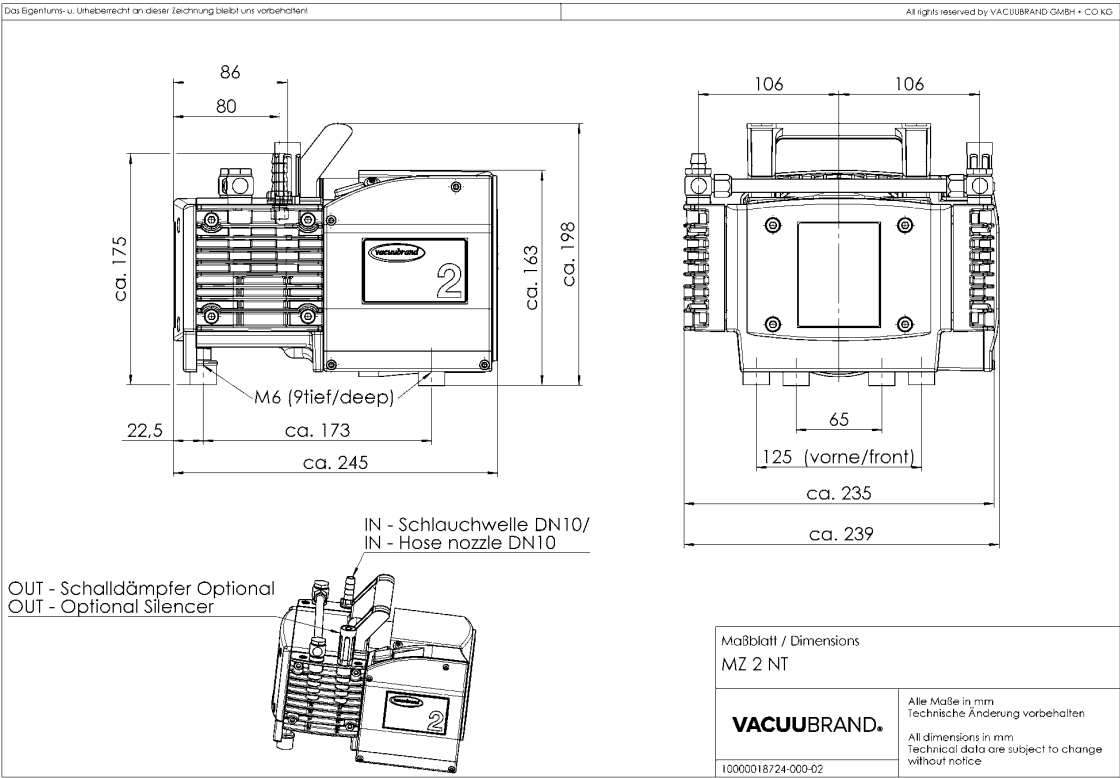
## Pumping speed graph at 60 Hz



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



Dimension sheet



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