

Chemistry diaphragm pump MZ 2C NT

[Link to the website](#)



Product description

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. The two-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum. All parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms increase reliability and extend operating life. The pump MZ 2C NT is equipped with a gas ballast valve for continuous condensate purge increasing the pumping capability of condensable vapors. This pump is our most popular chemistry diaphragm pump, and is the heart of a family of VACUUBRAND pumping systems. The NT-series features further improved performance data and superior vapor tolerance.

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 low vibration
- long diaphragm life, maintenance-free drive system

Ordering data

Product name	Nominal mains voltage mains frequency	Plug type	Articleno.
MZ 2C NT	100-115 V 50-60 Hz 120 V 60 Hz	US	20732303

Items supplied

Pump completely mounted, ready for use, with manual.

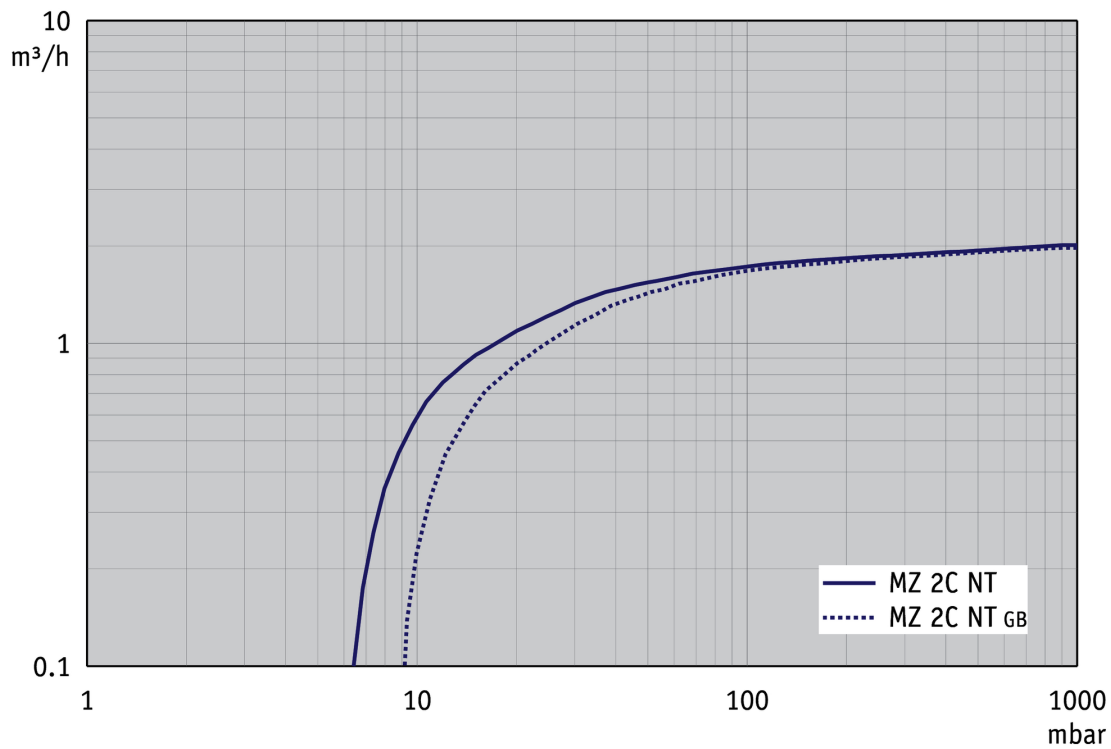
Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- 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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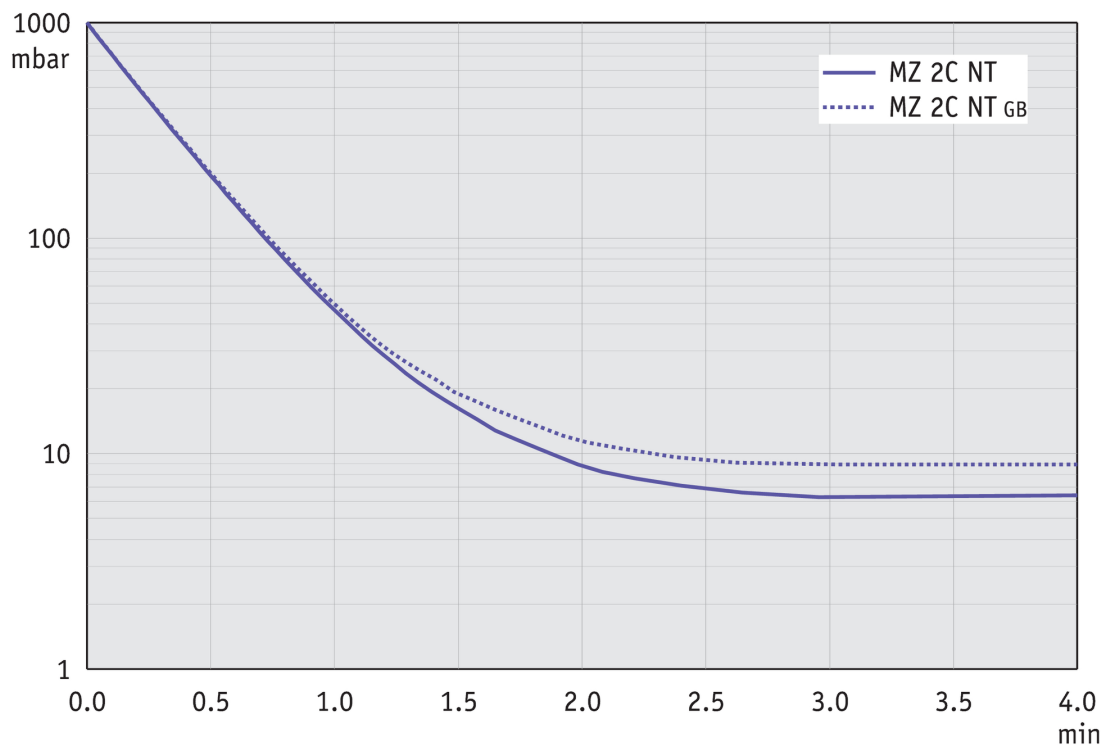
Technical data

Max. pumping speed 50 Hz (mbar)	2 m ³ /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 ⁻¹
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	243 mm x 243 mm x 198 mm
Weight	11.1 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

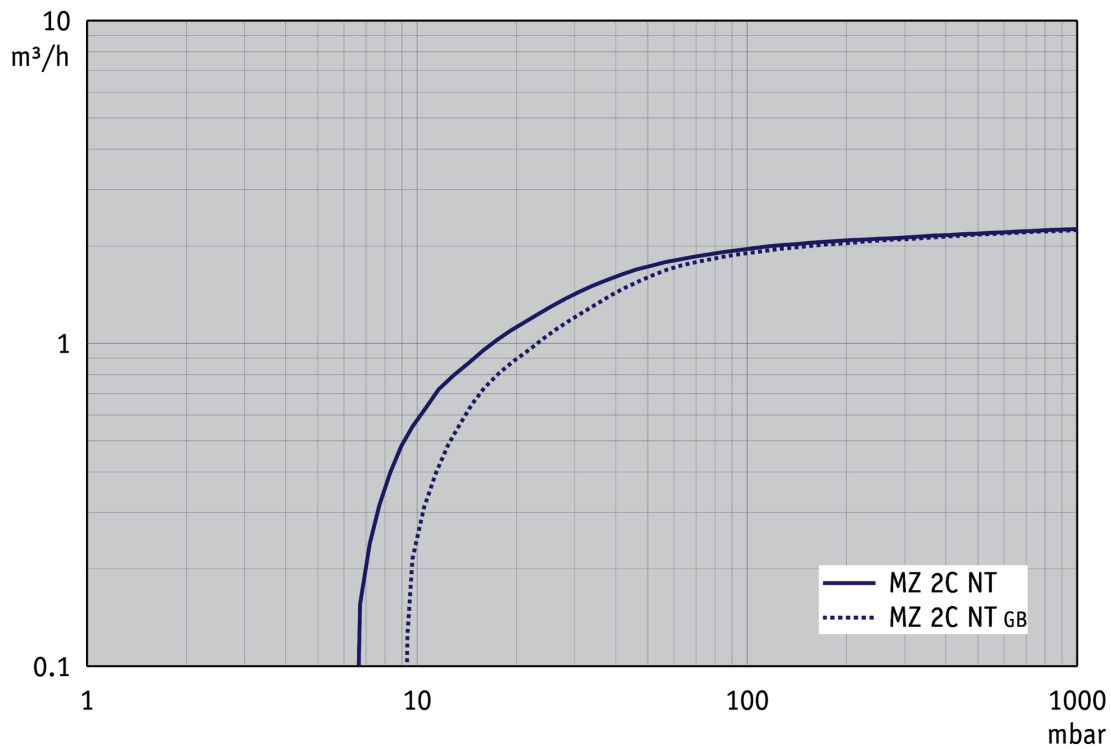
Pumping speed graph at 50 Hz



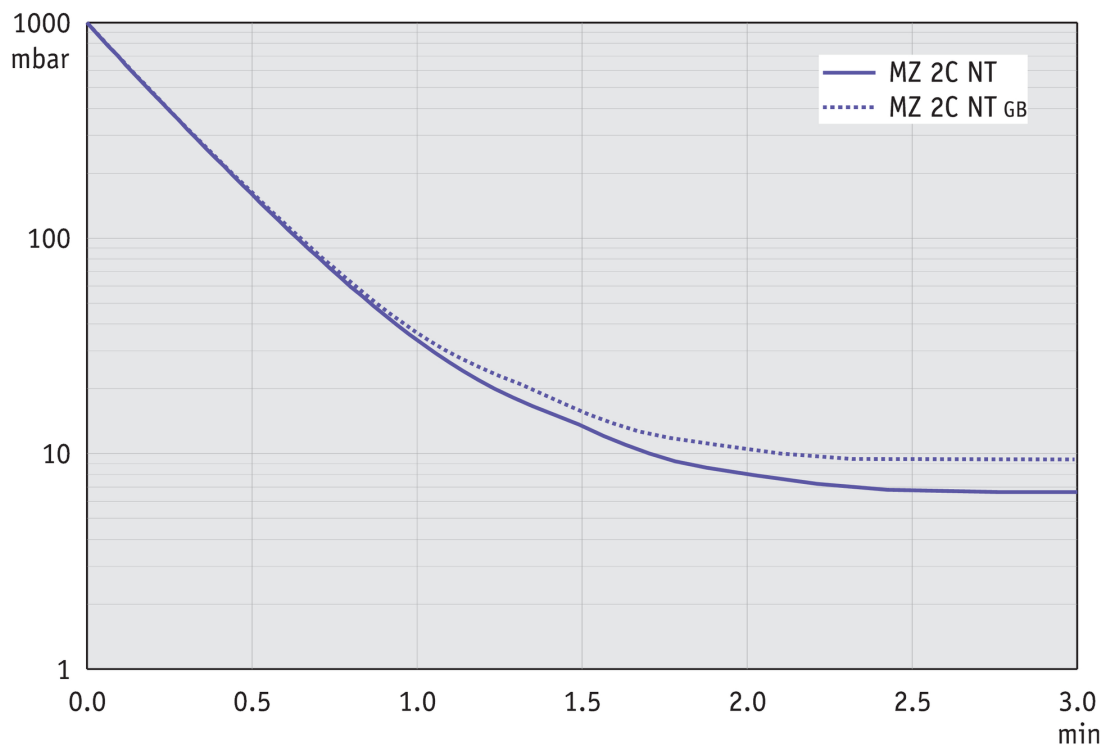
Pump down graph at 50 Hz (10 l volume)



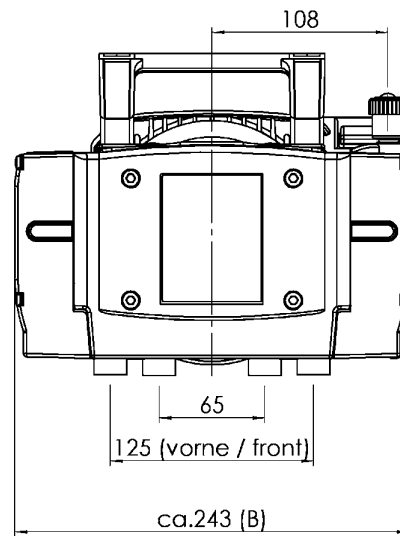
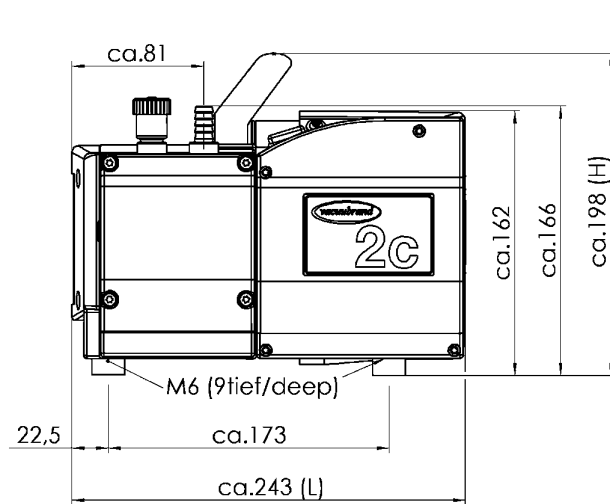
Pumping speed graph at 60 Hz



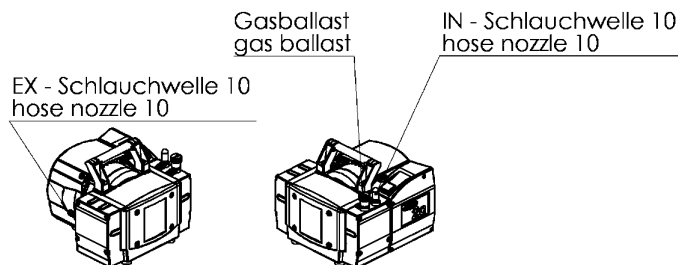
Pump down graph at 60 Hz (10 l volume)



Dimension sheet



Alle Maße / all dimensions (mm)



VACUUBRAND MZ 2C NT
Version 2009/03/23

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VACUUBRAND®

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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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