

Diaphragm pump MD 4 NT

[Link to the website](#)



Product description

These three-stage diaphragm pumps are an excellent solution for continuous, oil-free pumping of non-corrosive gases. They reach an excellent ultimate vacuum of 1 mbar. All parts in contact with pumped gases and vapors are made of aluminum, stainless steel and carefully selected plastics suitable for a wide range of applications with non-corrosive gases. The new NT-series provides whisper quiet and ultra-low vibration operation, high leak tightness and improved performance. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life.

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.
MD 4 NT	230 V 50-60 Hz	UK, IN	20736002

Items supplied

Pump completely mounted, ready for use, with manual.

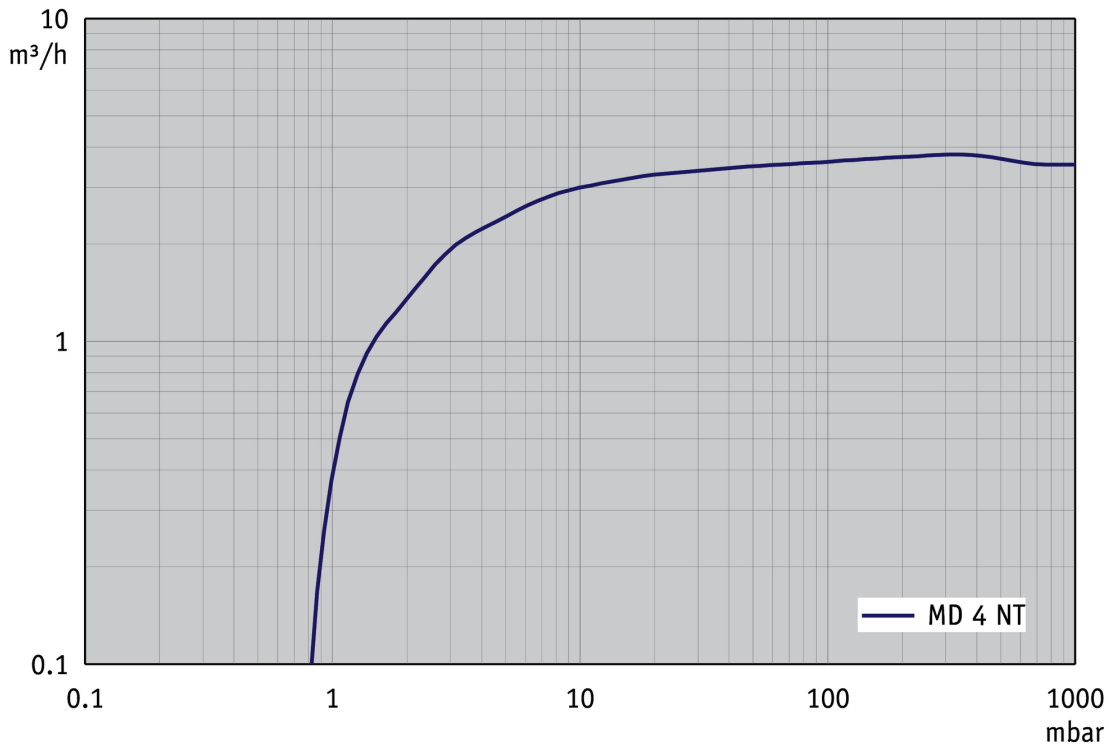
Accessories

- Vacuum tubing transparent DN 8 mm (20686061)
- Clamping ring for small flange KF DN 10/16 (20660000)
- External centring ring for small flange KF DN 10/16 (20660190)
- Small flange with hose nozzle KF DN 16 / DN 10 mm (20662806)
- Set of diaphragms and valves MD 4 NT / MV 2 NT / MD 4 NT VARIO / MV 2 NT VARIO (20696861)

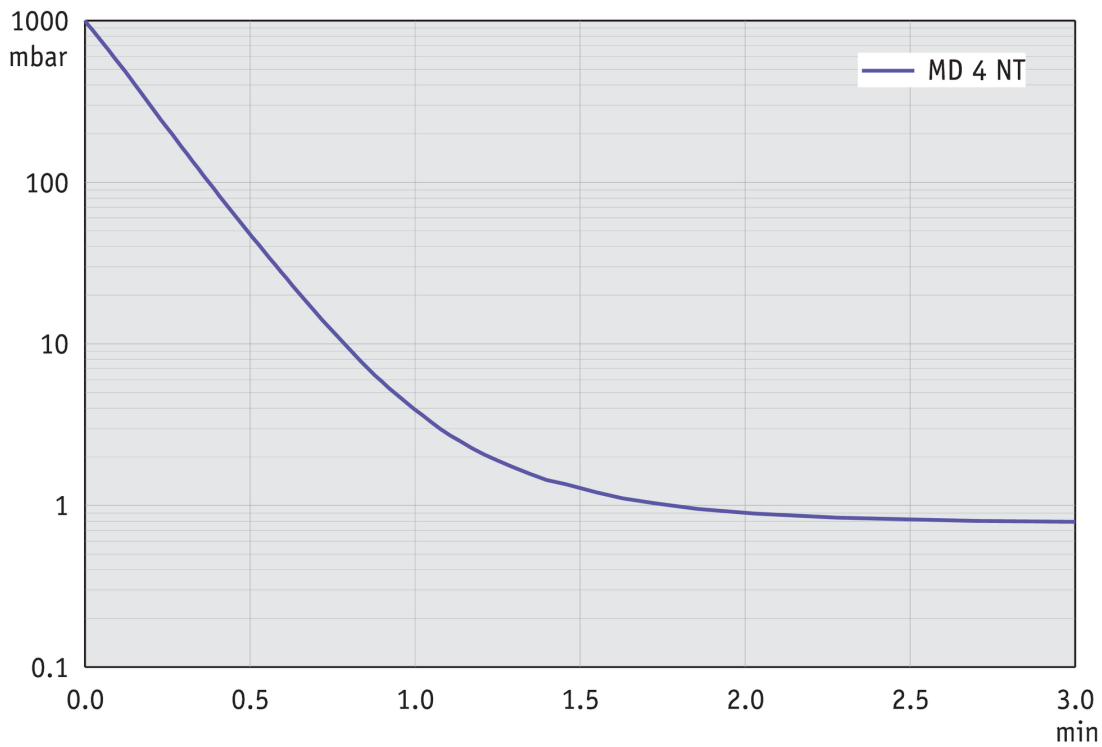
Technical data

Max. pumping speed 50 Hz (m ³ /h)	3.8 m ³ /h
Max. pumping speed 60 Hz (cfm)	2.5 cfm
Ultimate vacuum	1 mbar / 0.75 torr
Number of heads	4
Number of stages	3
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	small flange KF DN 16
Outlet connection	Silencer / G1/4"
Rated motor power	0.25 kW
Rated speed 50/60 Hz	1500/1800 min ⁻¹
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	328 mm x 239 mm x 198 mm
Weight	16.4 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

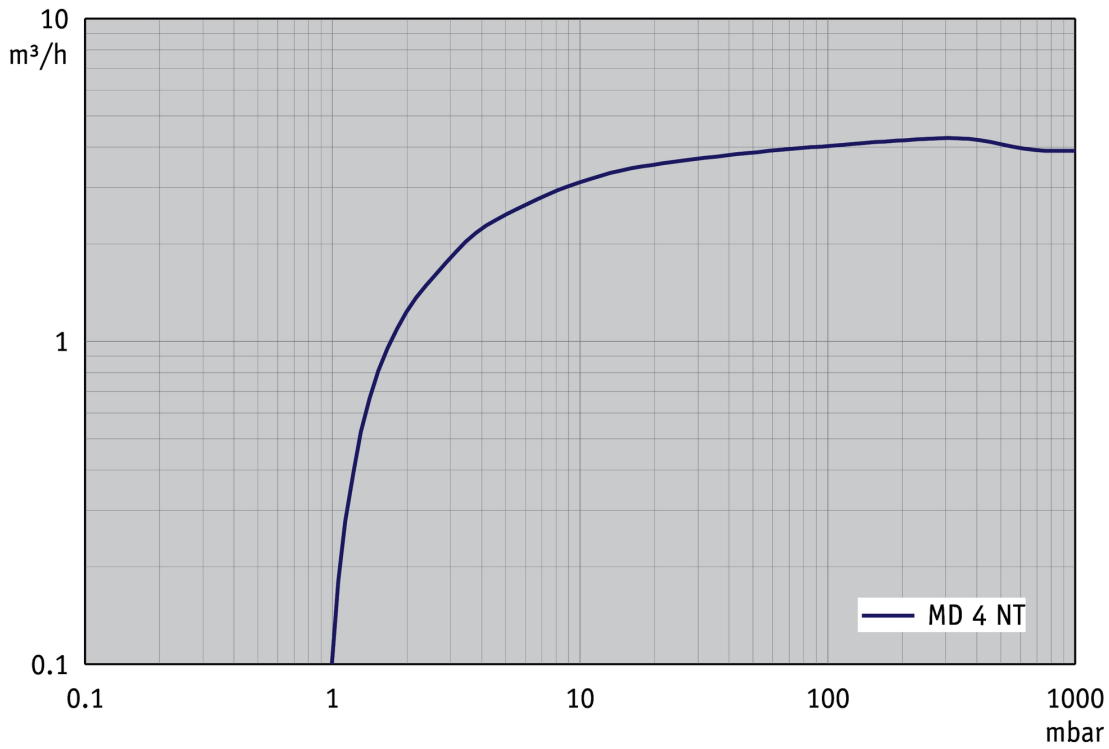
Pumping speed graph at 50 Hz



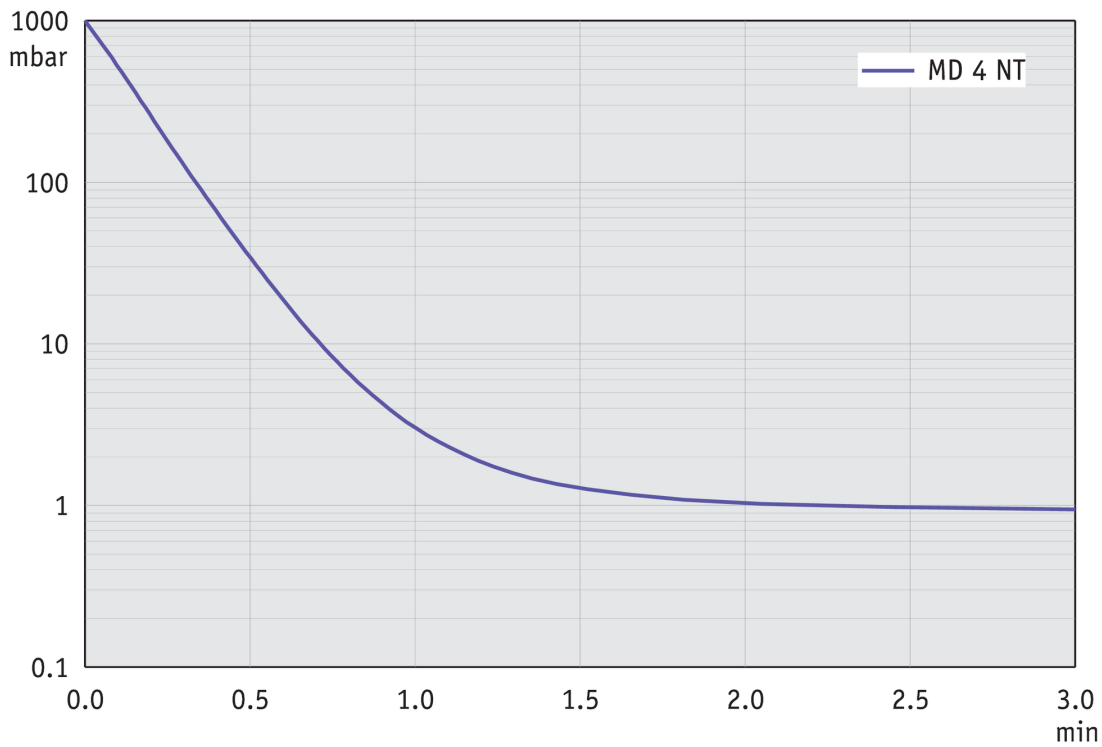
Pump down graph at 50 Hz (10 l volume)



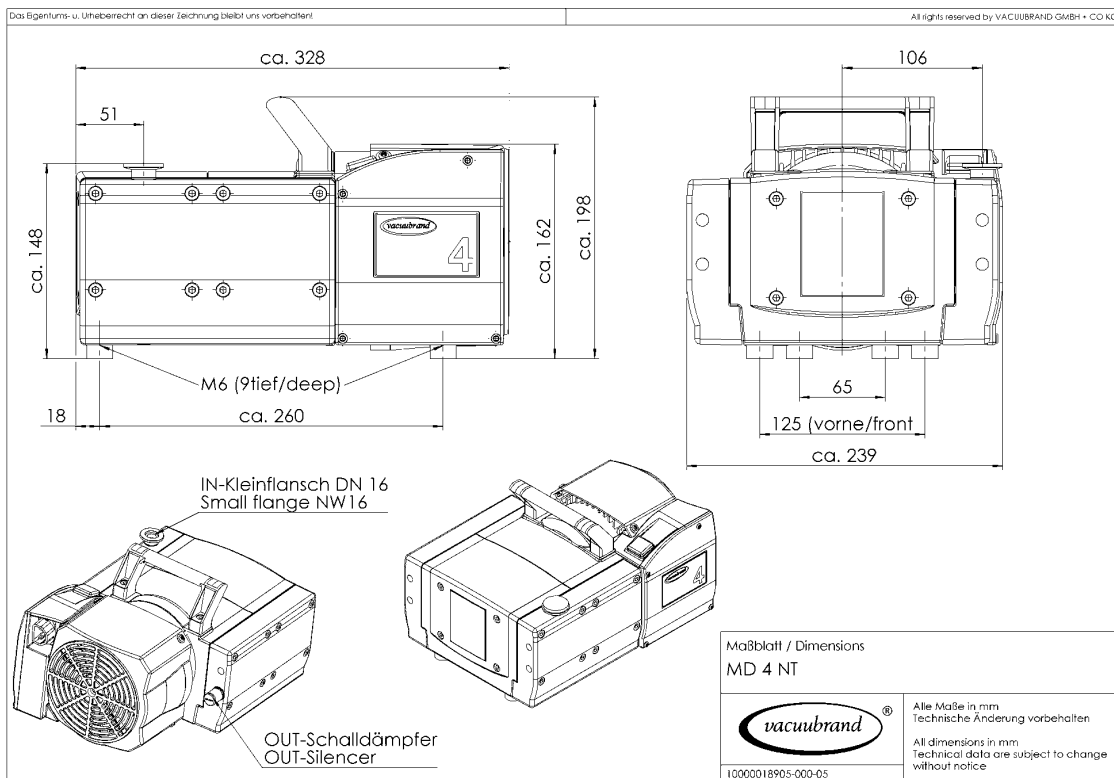
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



Dimension sheet



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