

# Chemistry diaphragm pump MD 4C NT

[Link to the website](#)



## Product description

Three-stage chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors and meet even challenging requirements. The three-stage design provides the advantageous combination of high pumping speed and very low ultimate vacuum. All parts of the MD 4C NT in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms provide increased reliability and extended operating life. Due to the gas ballast valve and its very good ultimate vacuum (even with gas ballast) the MD 4C NT is also suitable for pumping condensable vapors of high-boiling solvents. The NT-series features further improved performance data, easy service and superior vapor tolerance.

## Performance features

- outstanding chemical resistance and superior vapor tolerance
- exceptionally high performance even at low vacuum
- excellent ultimate vacuum even with gas ballast
- whisper quiet and very low vibration
- long diaphragm life, maintenance-free drive system

Ordering data

| Product name | Nominal mains voltage   mains frequency | Plug type | Articleno. |
|--------------|-----------------------------------------|-----------|------------|
| MD 4C NT     | 230 V   50-60 Hz                        | UK, IN    | 20736402   |

Items supplied

Pump completely mounted, ready for use, with manual.

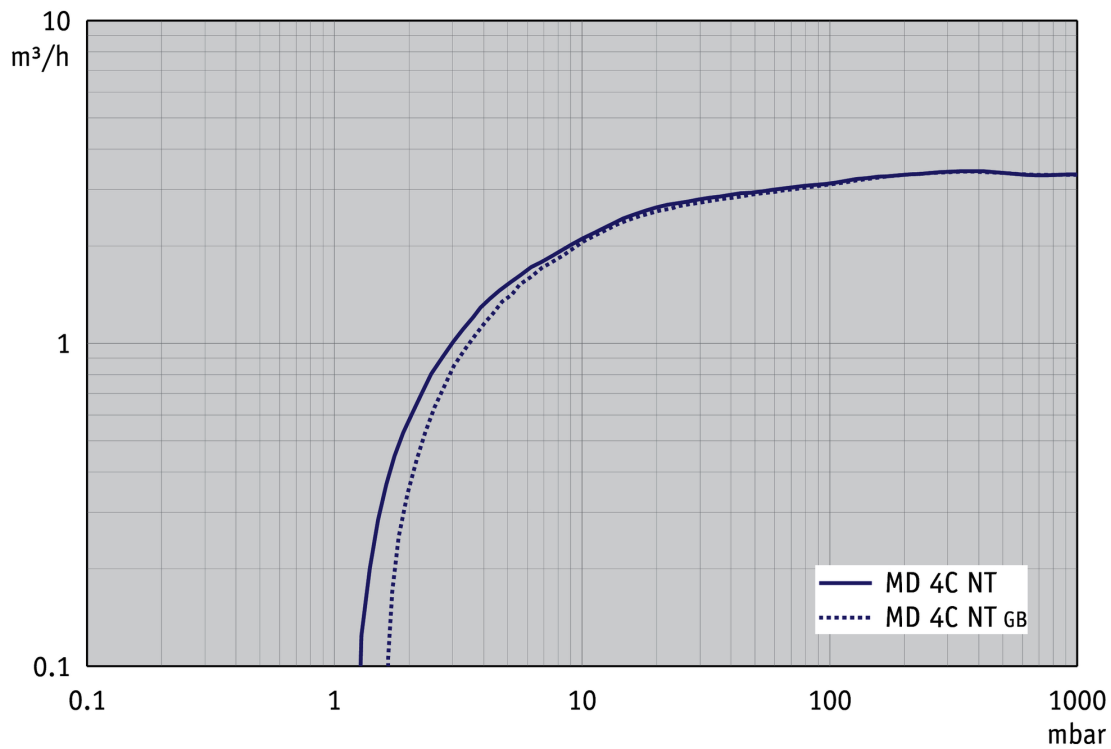
Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- Vacuum tubing transparent DN 8 mm (20686061)
- Set of diaphragms and valves MD 4C NT/VARIO / PC 3003 / PC 3004 (20696870)
- Silencer with hose 5cm DN 8-10mm (20636588)
- Vacuum tubing transparent DN 8 mm (20686061)
- Set of diaphragms and valves MD 4C NT/VARIO / PC 3003 / PC 3004 (20696870)

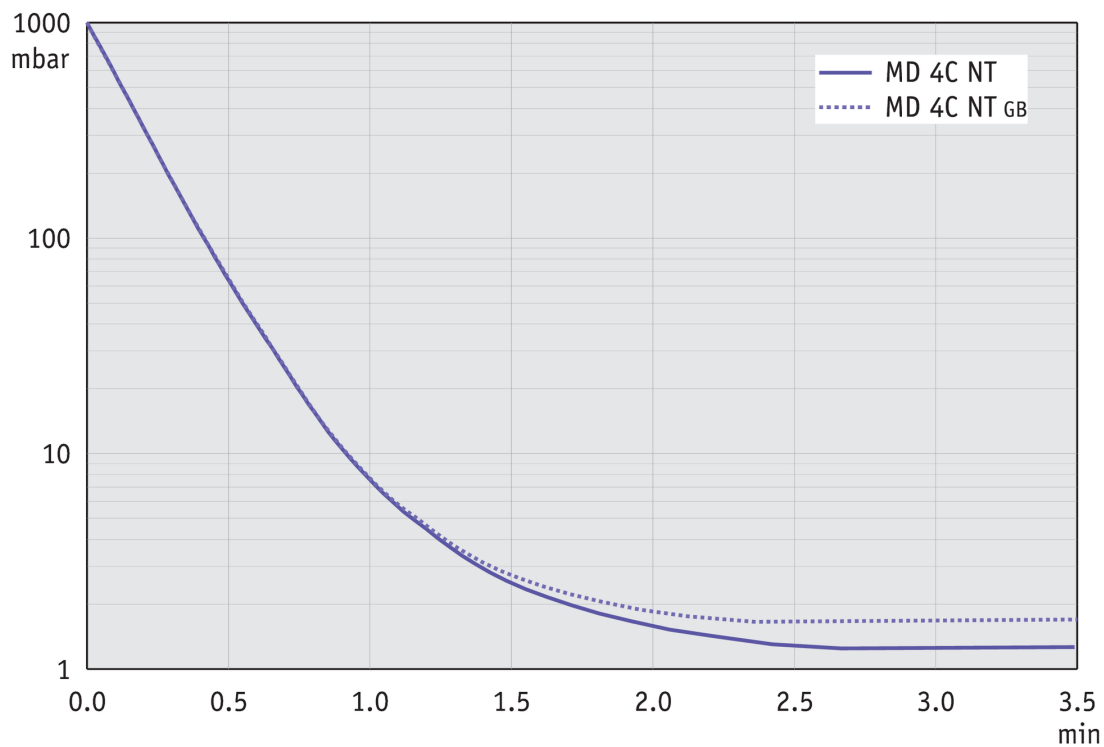
## Technical data

| Label for External Key "Max. Saugvermögen 50Hz" not found.                                                       | 3.4 m <sup>3</sup> /h                        |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Max. pumping speed 60 Hz (cfm)                                                                                   | 2.2 cfm                                      |
| Ultimate vacuum                                                                                                  | 1.5 mbar / 1.1 torr                          |
| Ultimate vacuum with gas ballast                                                                                 | 3 mbar / 2.2 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                                                                                                 | Hose nozzle DN 8-10 mm                       |
| Outlet connection                                                                                                | Hose nozzle DN 8-10 mm                       |
| Rated motor power                                                                                                | 0.25 kW                                      |
| Rated speed 50/60 Hz                                                                                             | 1500/1800 min <sup>-1</sup>                  |
| Protection class IEC 60529                                                                                       | IP 40                                        |
| Dimensions (L x W x H)                                                                                           | 328 mm x 243 mm x 198 mm                     |
| Weight                                                                                                           | 14.3 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                                          |

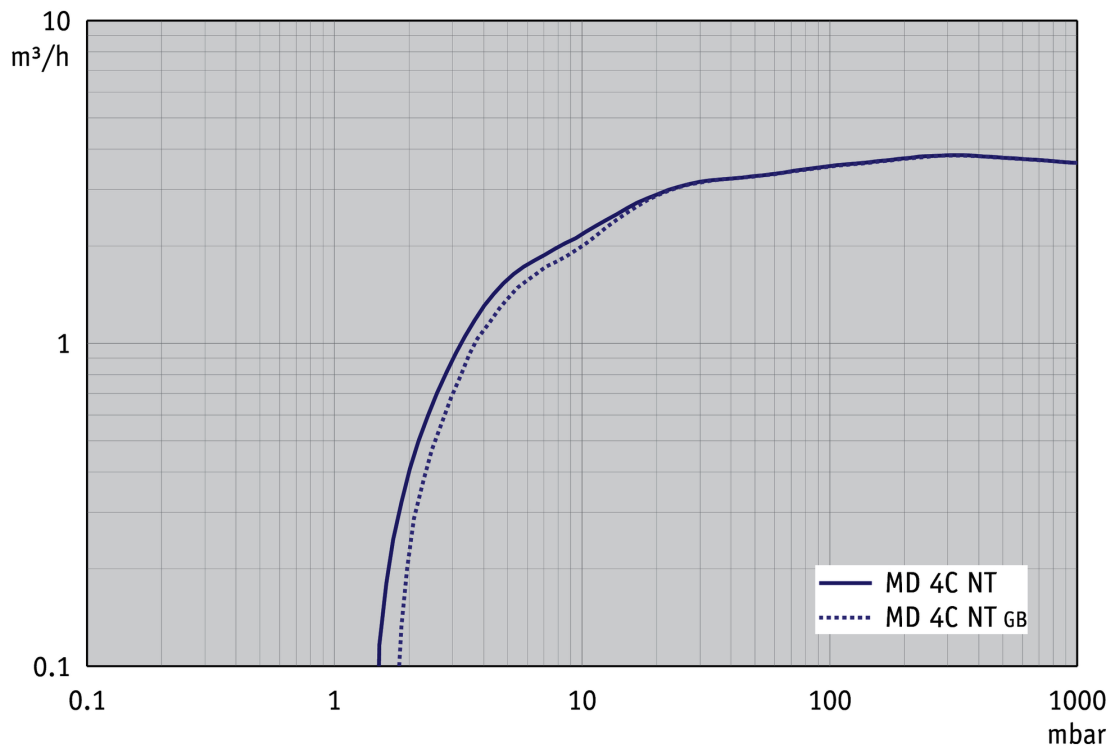
## Pumping speed graph at 50 Hz



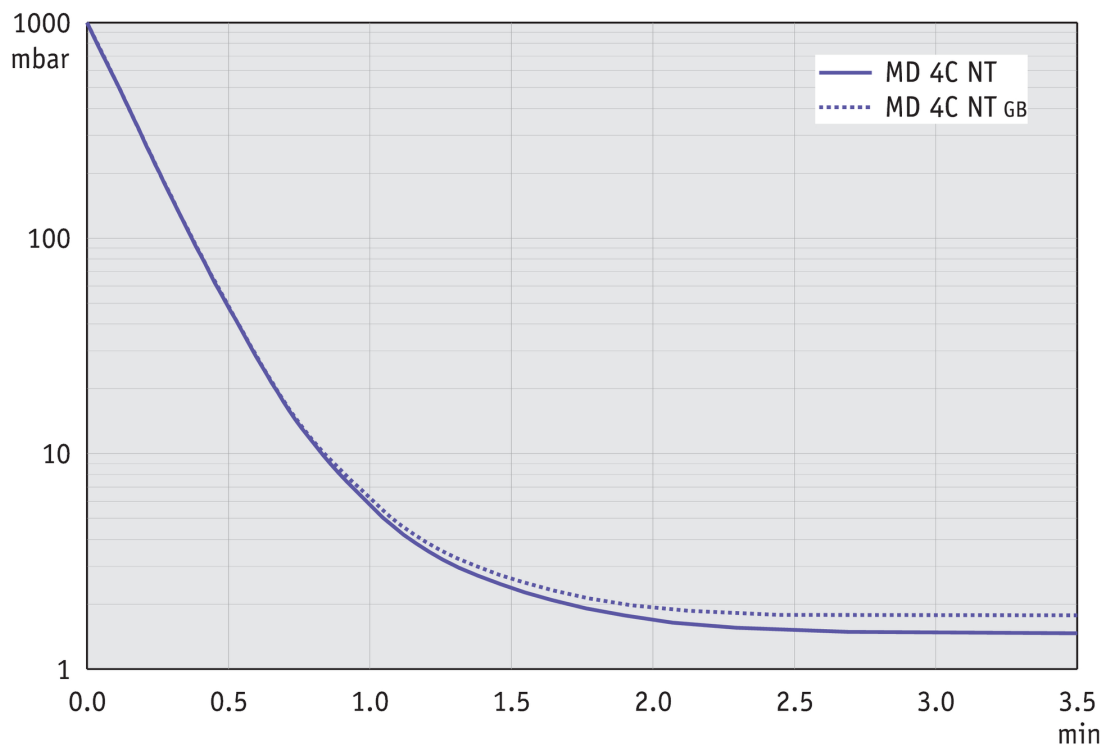
## Pump down graph at 50 Hz (10 l volume)



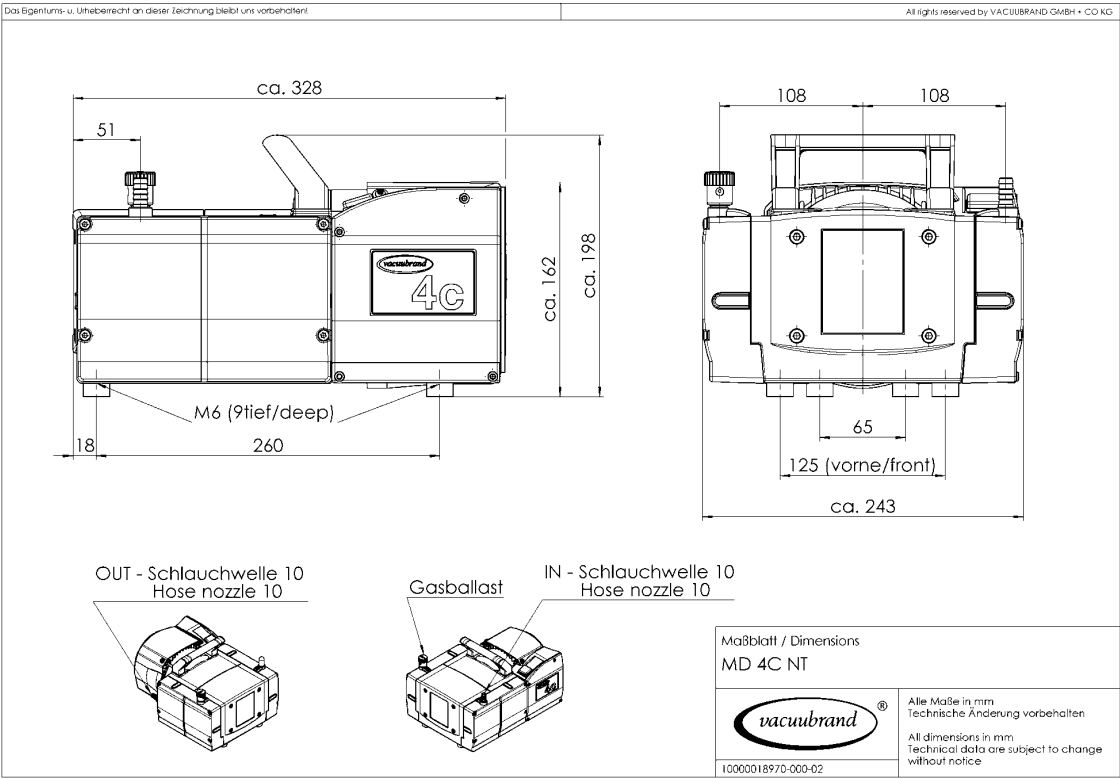
## Pumping speed graph at 60 Hz



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



Dimension sheet



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