VACUUBRAND®

# 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

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https://shop.vacuubrand.com/20736006

## Ordering data

| Product name | Nominal mains voltage \| mains frequency | Plug type | Articleno. |
|---|---|---|---|
| MD 4 NT | 230 V \| 50-60 Hz | CN | 20736006 |

## 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)


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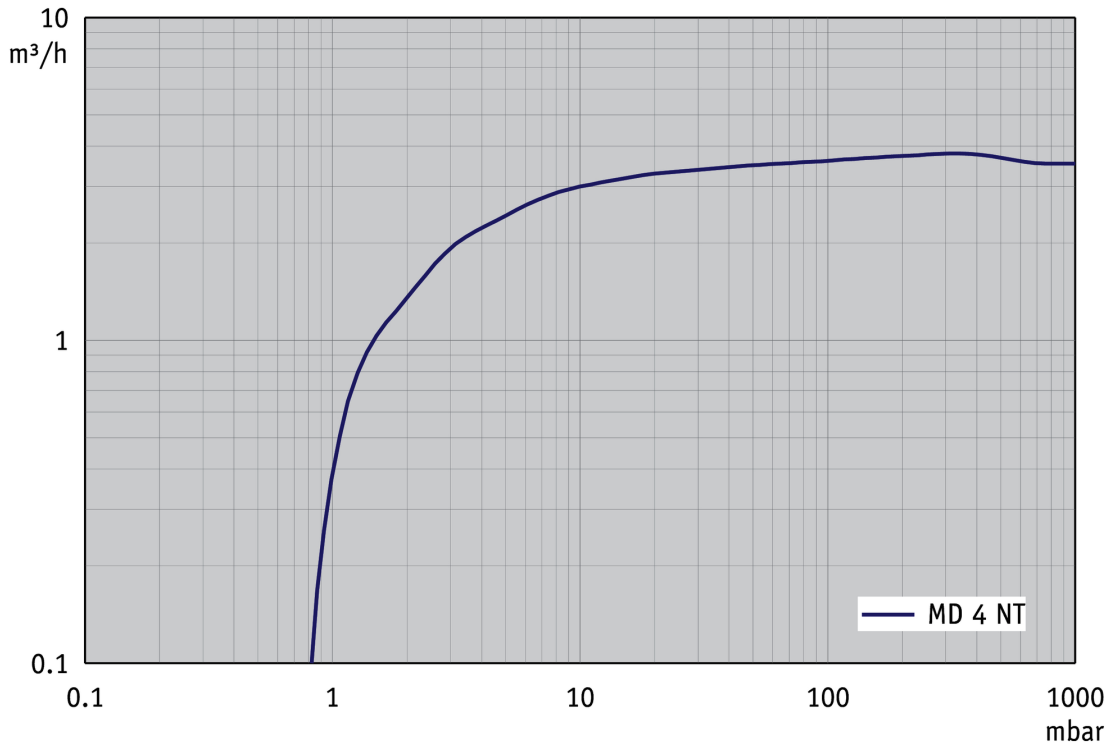
## Technical data

| | |
|---|---|
| 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 |

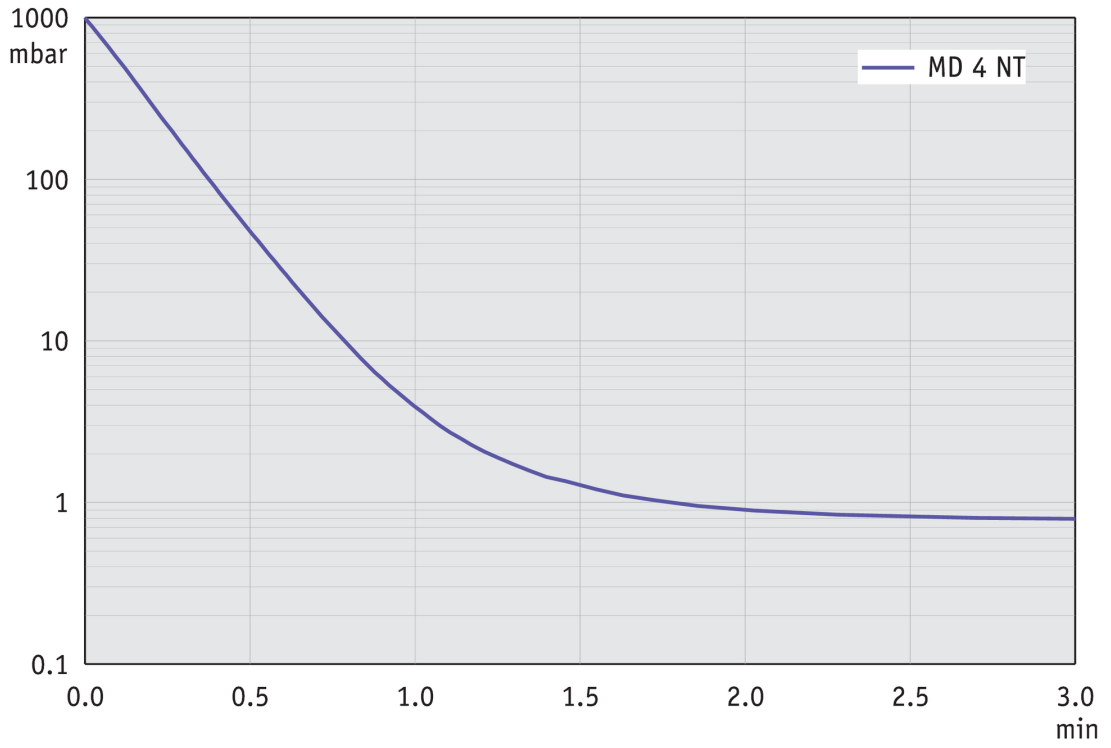
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## Pumping speed graph at 50 Hz



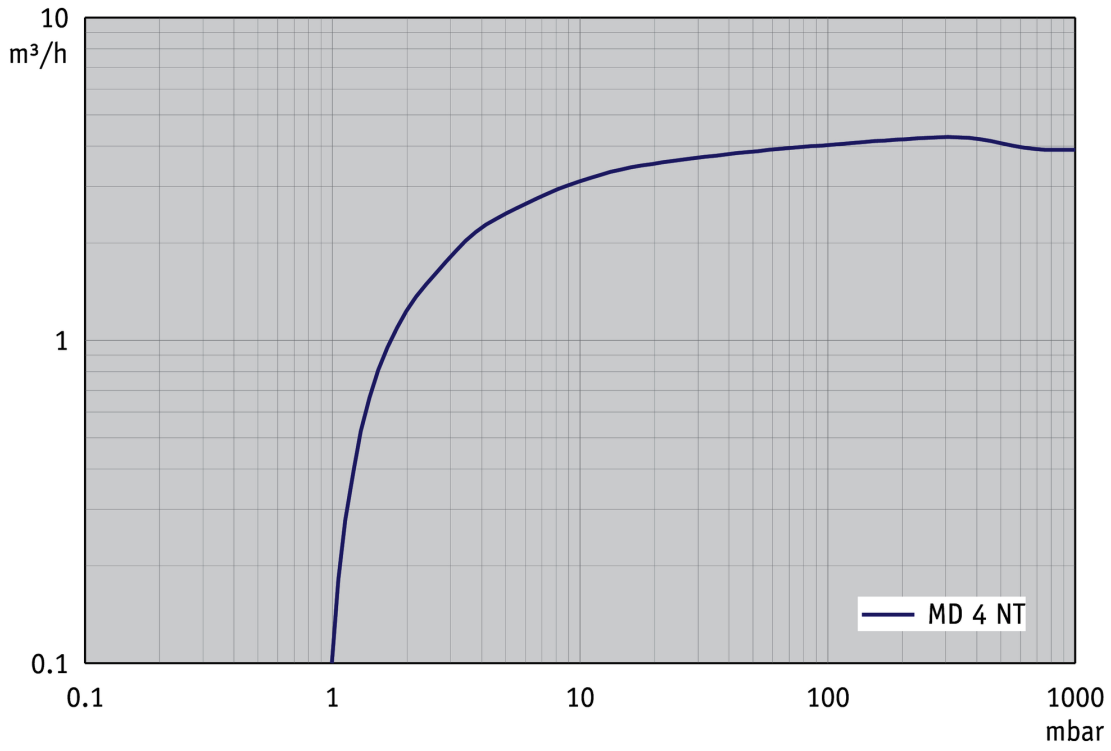

## Pump down graph at 50 Hz (10 l volume)



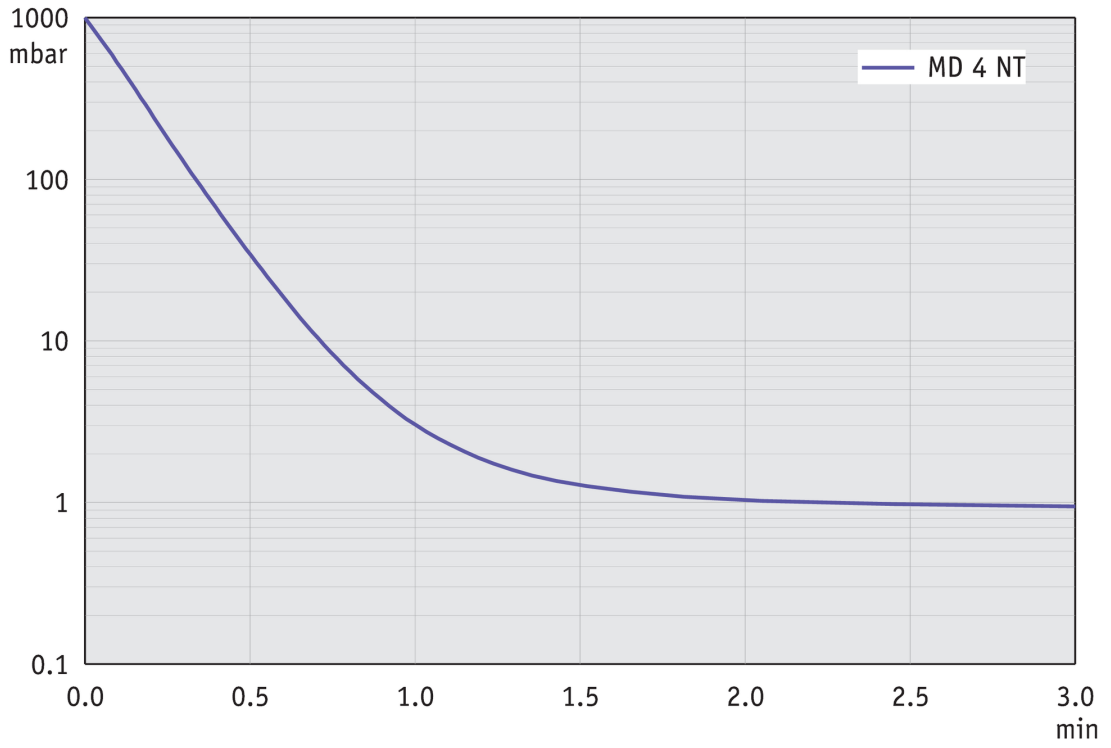

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## Pumping speed graph at 60 Hz




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

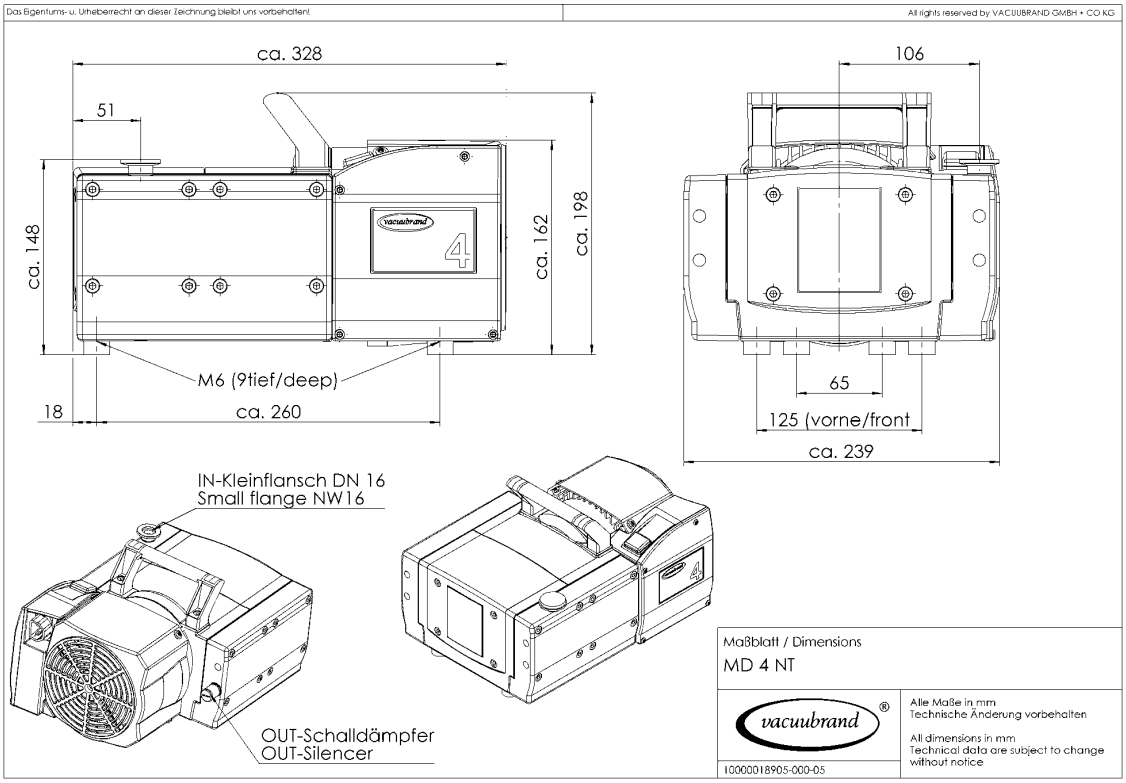



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## Dimension sheet







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VACUUBRAND

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