

Chemistry diaphragm pump MZ 2C NT

Order no.: 732303

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 MZ 2C NT pump 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 new NT-series features further improved performance data and superior vapor tolerance.



Performance features

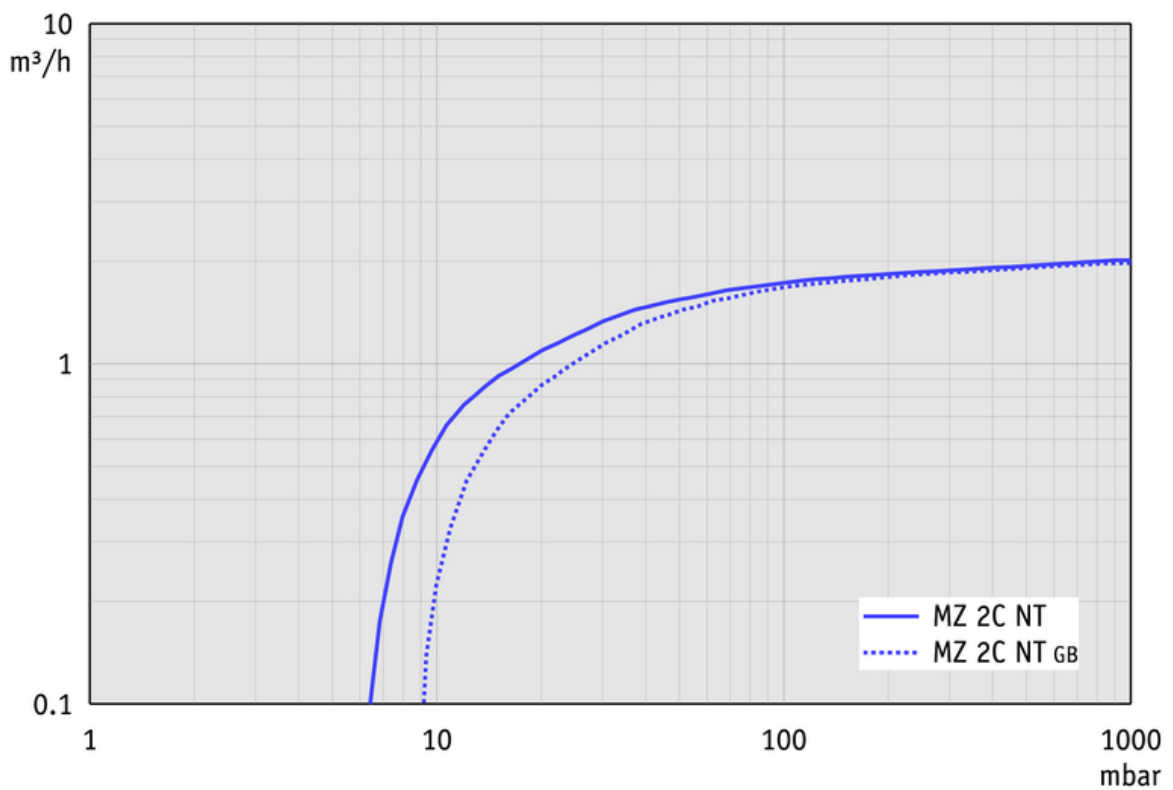
- outstanding chemical resistance and superior vapor tolerance
- high performance even at low vacuum levels
- optimized vacuum even with gas ballast for condensate purge
- whisper quiet and low vibration
- long diaphragm life, maintenance-free drive system

Technical data

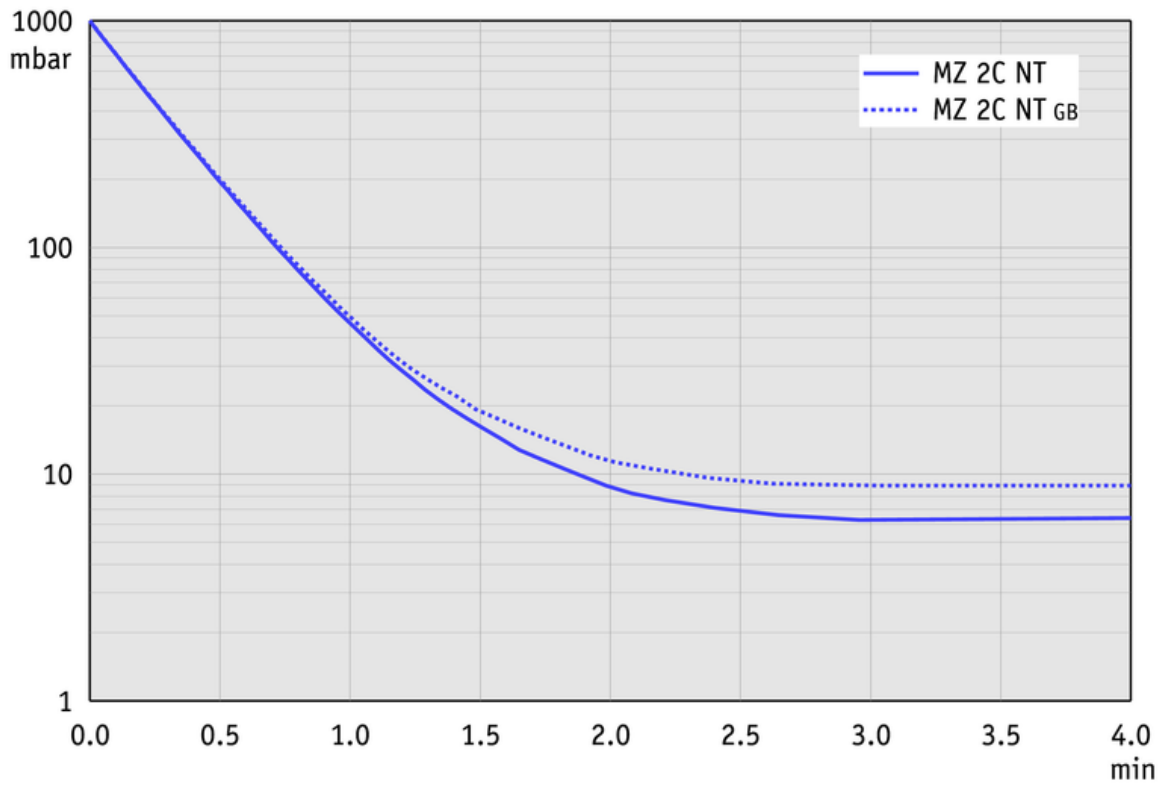
| | | |
|---------------------------------------|-------------------|----------------------|
| Number of heads / stages | | 2 / 2 |
| Max. pumping speed at 50/60 Hz | m ³ /h | 2.0 / 2.3 |
| Max. pumping speed at 50/60 Hz | cfm | 1.2 / 1.4 |
| Ultimate vacuum (abs.) | mbar/torr | 7 / 5 |
| Ultim. vac. (abs.) with gas ballast | mbar/torr | 12 / 9 |
| Ambient temperature range (operation) | °C | 10 - 40 |
| Ambient temperature range (storage) | °C | -10 - 60 |
| Max. back pressure (abs.) | bar | 1.1 |
| Inlet connection | | Hose nozzle DN 10 mm |
| Outlet connection | | Hose nozzle DN 10 mm |
| Rated motor power | kW | 0.18 |
| Rated motor speed at 50/60 Hz | min ⁻¹ | 1500/1800 |
| Degree of protection | | IP 40 |
| Dimensions (L x W x H), approx. | mm | 243 x 243 x 198 |

| | | |
|----------------------------|-----|--|
| Weight, approx. | kg | 11.1 |
| Noise level at 50 Hz, typ. | dBA | 45 |
| CE mark | | No |
| NRTL certification | | Canada and the USA |
| Items supplied | | Pump completely mounted, ready for use, with manual. |
| Accessories | | Rubber vacuum tubing DN 10 mm (686002) |

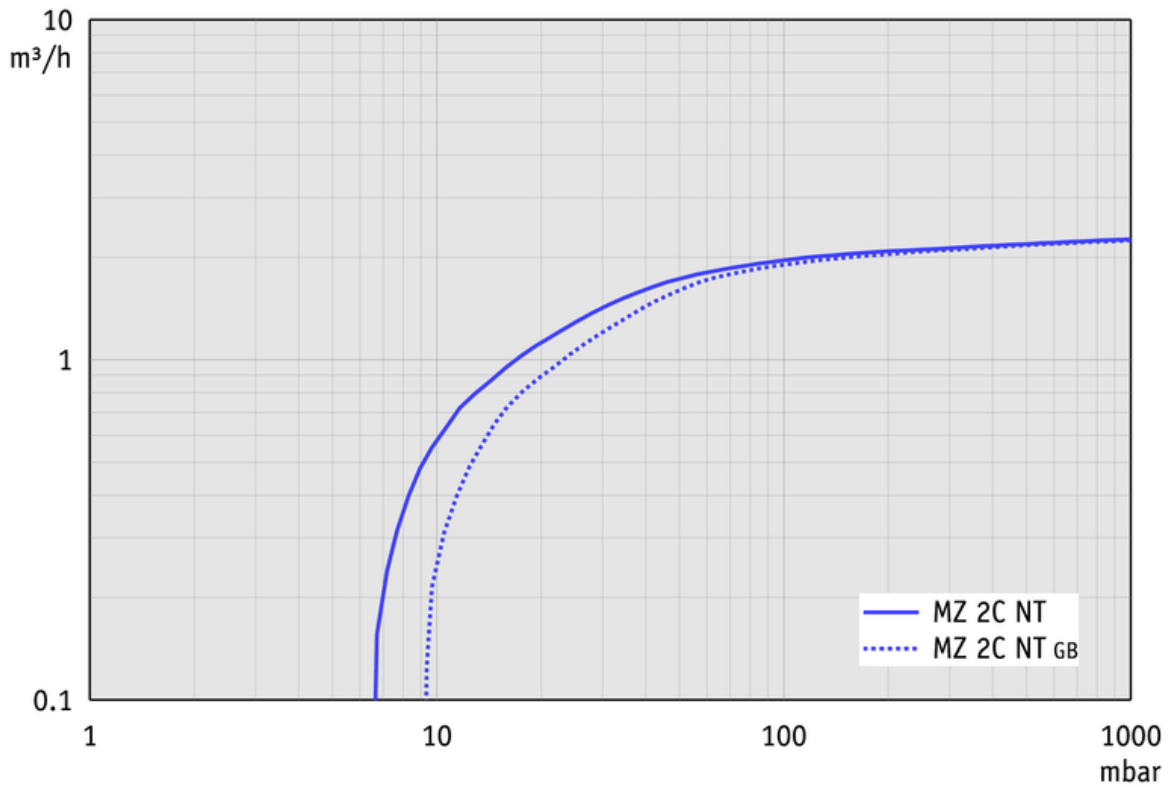
Pumping speed graph at 50 Hz



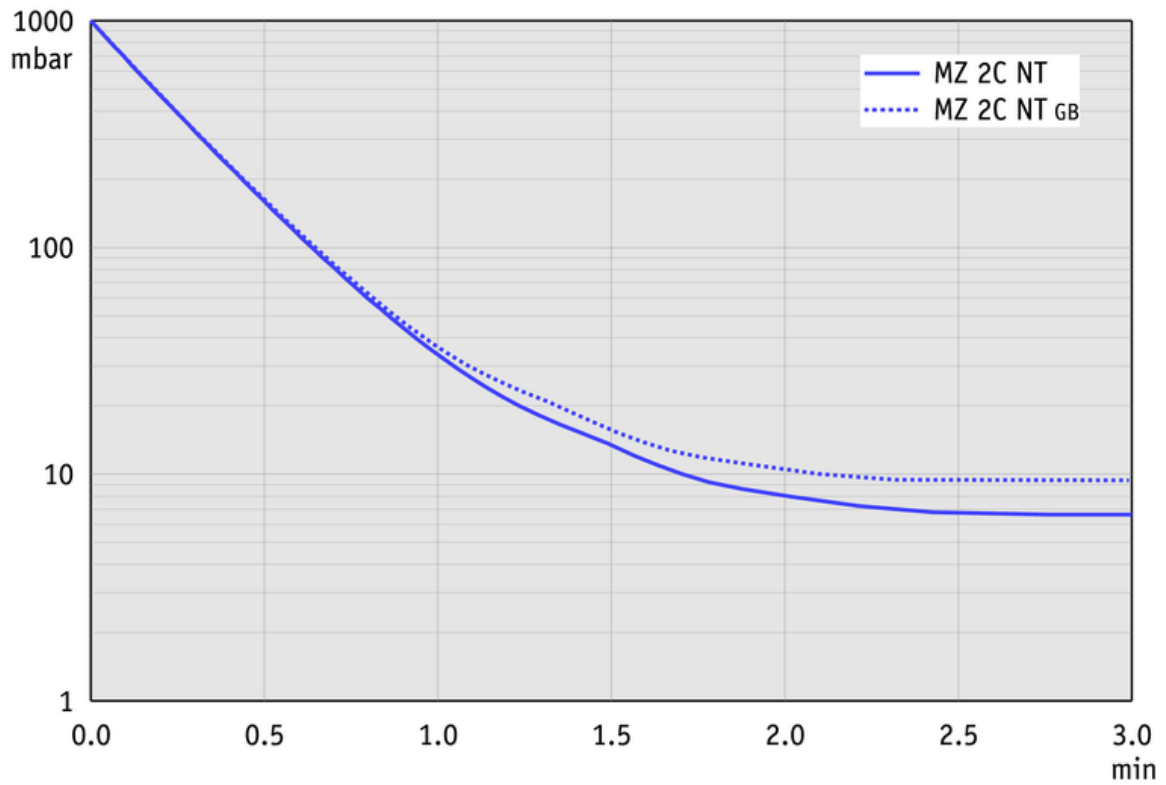
Pump down graph at 50 Hz
(10 l volume)



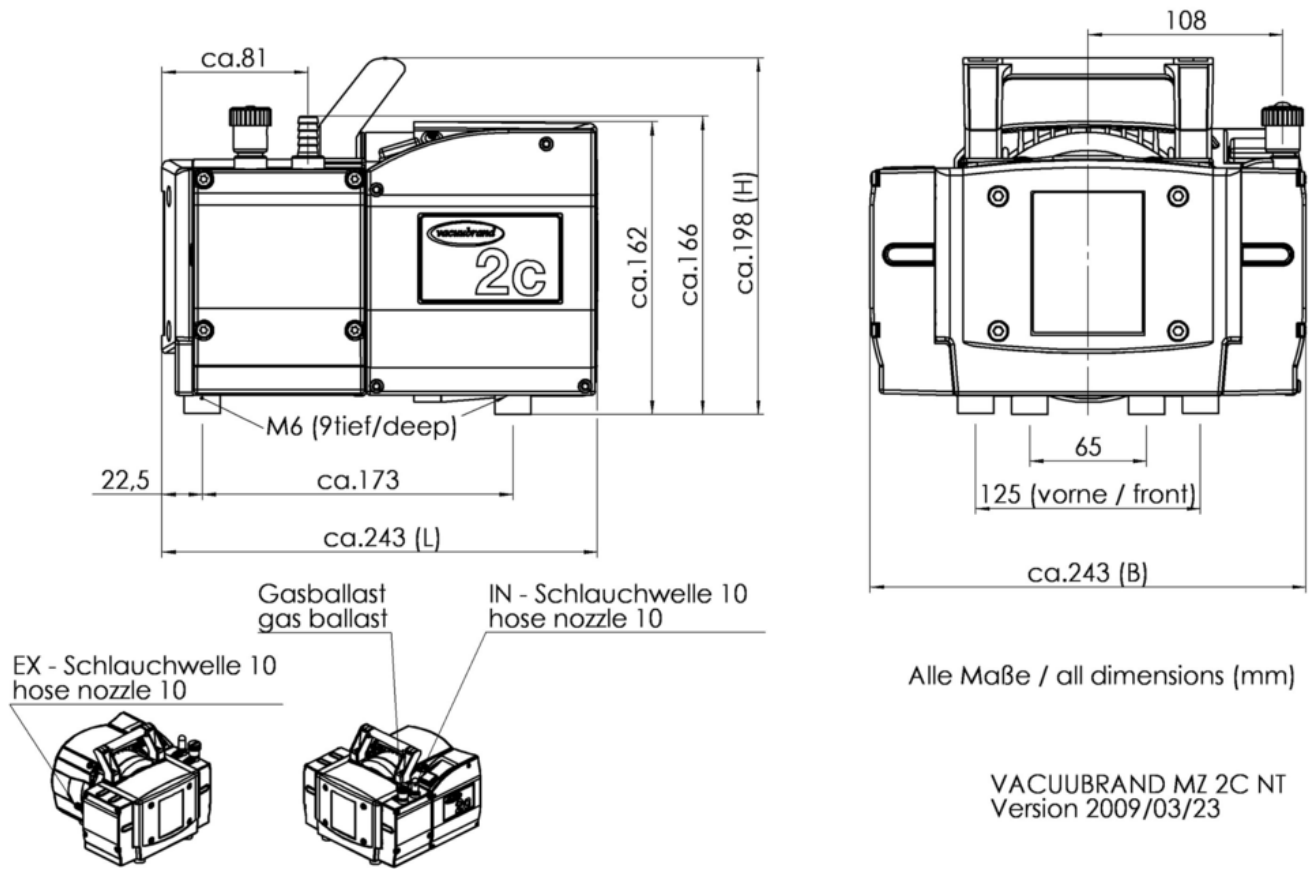
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz
(10 l volume)



Dimension sheet



Ordering data

| Product name | Mains voltage and frequency | Plug | Order no. |
|--------------|-------------------------------------|------|-----------|
| MZ 2C NT | 100-115 V~ 50-60 Hz 120 V~ 60 Hz | US | 732303 |