VACUUBRAND®

Diaphragm pump ME 2 NT



Link to the website

Product description

One-stage diaphragm pumps are an excellent solution for continuous, oil-free pumping of gases and vapors at low vacuum requirement. In contrast to waterjet pumps they do not consume water and therefore do not produce any contaminated waste water in daily use. Typical applications are vacuum ovens, filtrations and multi-port manifolds for medium throughput, as well as pumping of gases and oil-free evacuation in general. The one-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum down to 70 mbar.

Performance features

- whisper quiet and very low vibration
- powerful, even for parallel operation of several applications
- high performance even at low vacuum levels
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

Technical data are subject to change without notice
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Link to the website:
https://shop.vacuubrand.com/20730000

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 2 NT	230 V | 50-60 Hz	CEE	20730000

Items supplied

Pump completely mounted, ready for use, silencer, hose nozzle, with manual.

Accessories

- Vacuum tubing transparent DN 8 mm (20686061)
- Regulator valve for vacuum ME / MZ / MD 4 / NT (20696840)
- Set of diaphragms and valves ME 2 NT (20696877)

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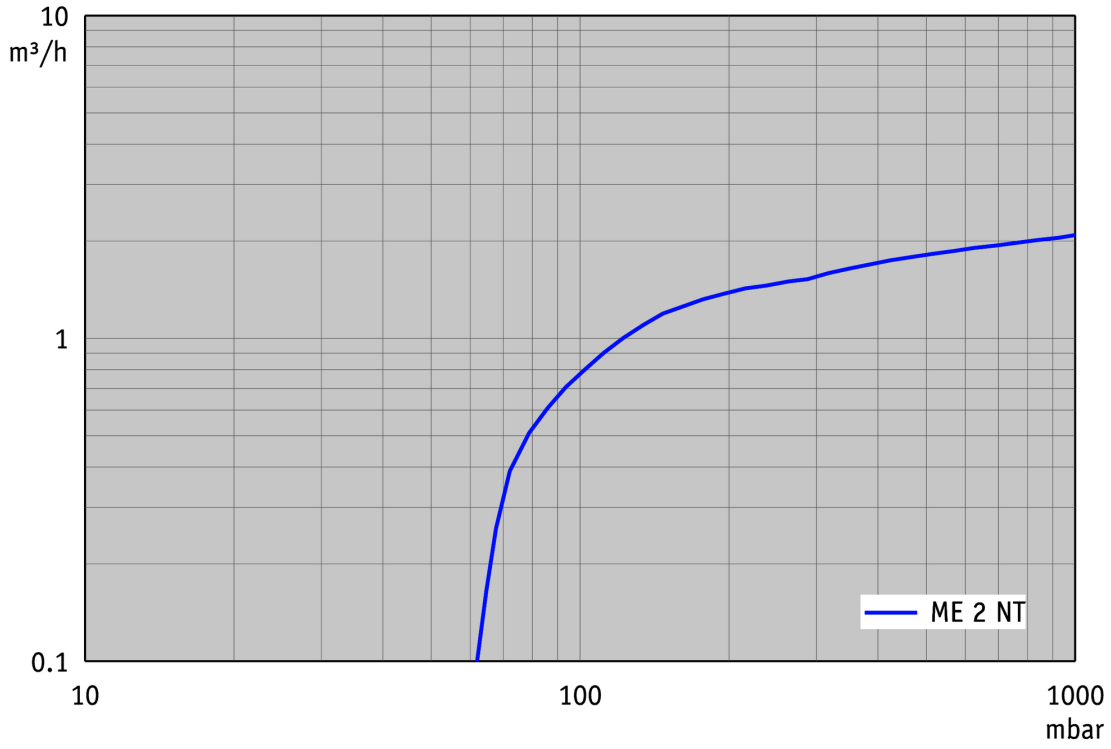
Technical data

Max. pumping speed 50 Hz (m^3/h)	2 m^3/h
Max. pumping speed 60 Hz (cfm)	1.4 cfm
Ultimate vacuum	70 mbar / 52 torr
Number of heads	1
Number of stages	1
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	2 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	G1/4"
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)	245 mm x 211 mm x 198 mm
Weight	10.2 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

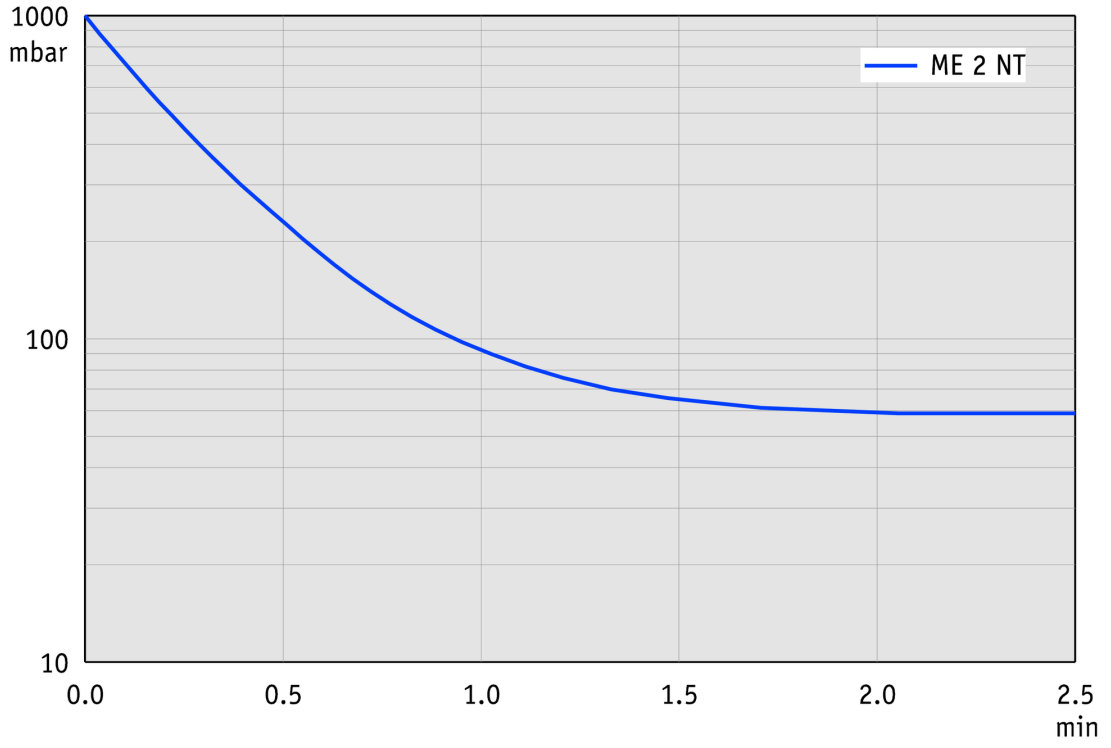
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Pumping speed graph at 50 Hz



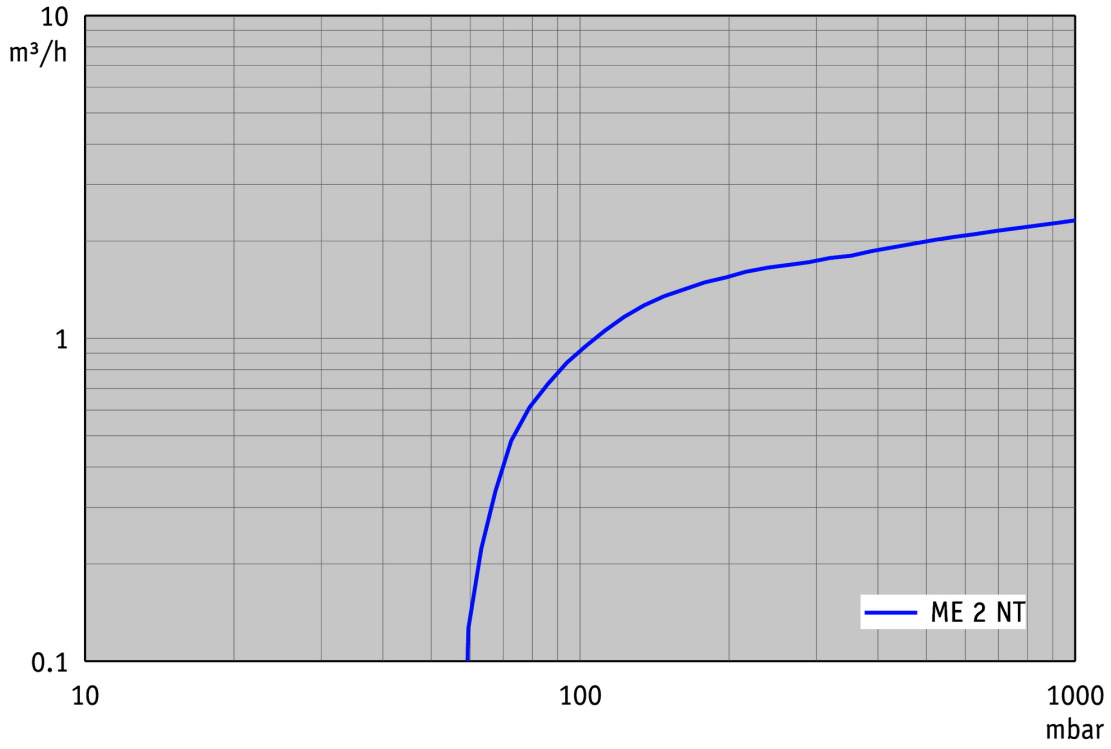
Pump down graph at 50 Hz (10 l volume)



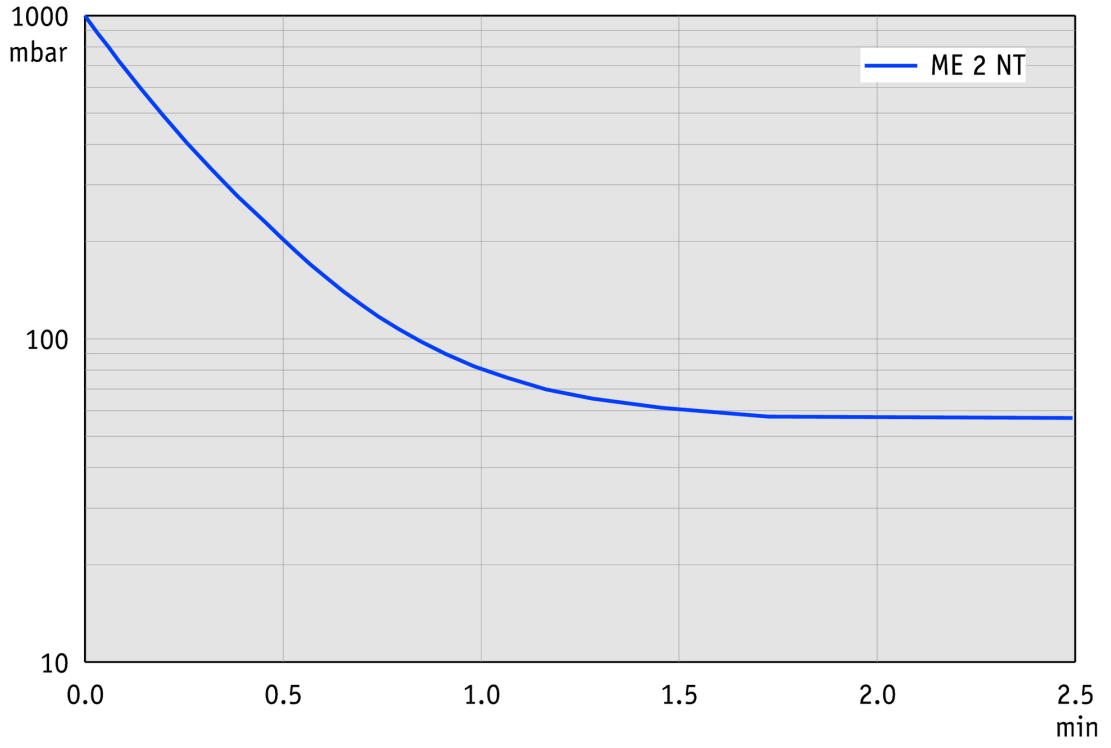
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Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



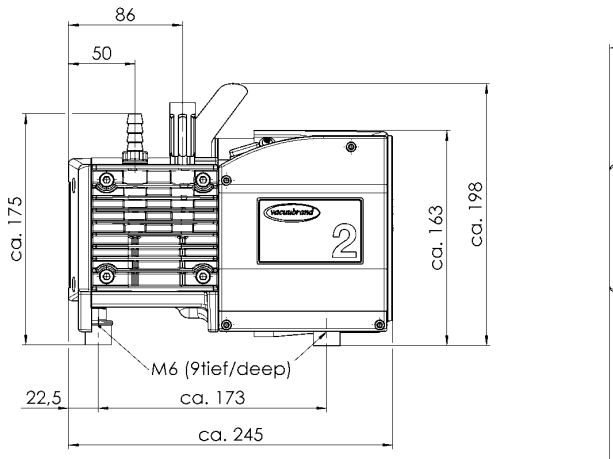
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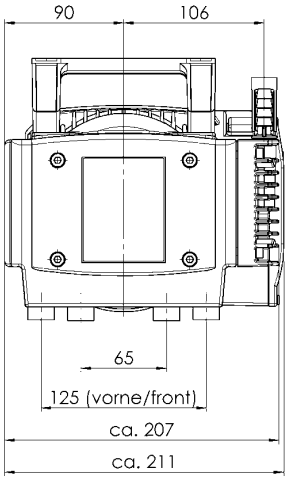
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Dimension sheet



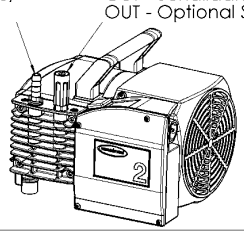
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IN - Schlauchwelle DN10/
IN - Hose nozzle DN10

OUT - Schalldämpfer Optional
OUT - Optional Silencer



Maßblatt / Dimensions
ME 2 NT

VACUUBRAND®

Alle Maße in mm
Technische Änderung vorbehalten

All dimensions in mm
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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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