VACUUBRAND®

Diaphragm pump ME 4R NT



Link to the website

Product description

This one-stage diaphragm pump works as a vacuum generator and as well as a compressor. All parts in contact with pumped media are made of aluminum and selected plastics (PTFE diaphragms and valves). They enable a wide range of applications for non-corrosive gases. The inlet and outlet connections of the ME 4R NT are equipped with regulator valves for vacuum and overpressure, respectively. Both the compression pressure and vacuum level can be adjusted. Inlet vacuum level and outlet pressure are indicated by manometers.

Performance features

- contamination-free pumping, evacuation and compression
- high flow rate even near ultimate vacuum
- adjustment of outlet pressure and vacuum level with regulator valves
- 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/20731103

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 4R NT	100-115 V | 50-60 Hz 120 V | 60 Hz	US	20731103

Items supplied

Pump completely mounted, ready for use, with manual.

Accessories

- Rubber vacuum tubing DN 8 mm (20686001)
- Set of diaphragms and valves ME 4R NT (20696859)

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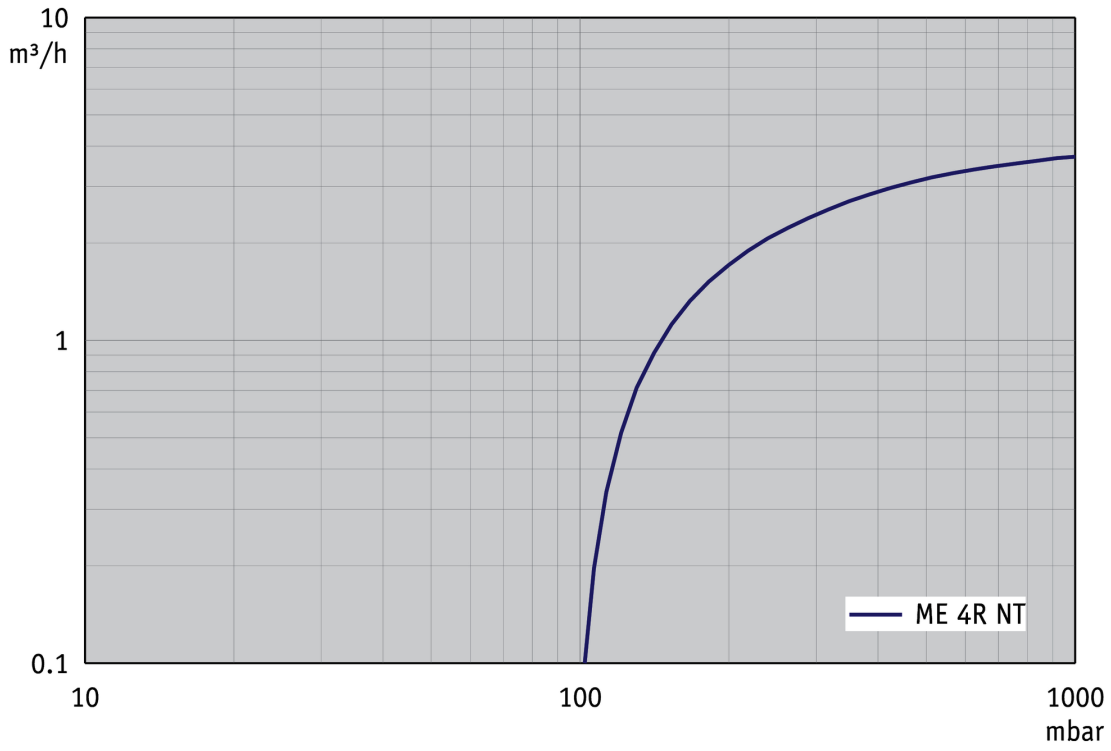
Technical data

Max. pumping speed 50 Hz (m^3/h)	3.8 m^3/h
Max. pumping speed 60 Hz (cfm)	2.5 cfm
Ultimate vacuum	100 mbar / 75 torr
Number of heads	2
Number of stages	1
Vacuum controller	Manometer
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	4 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	Hose nozzle DN 8-10 mm
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)	254 mm x 268 mm x 290 mm
Weight	11.5 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
NRTL certification	Yes

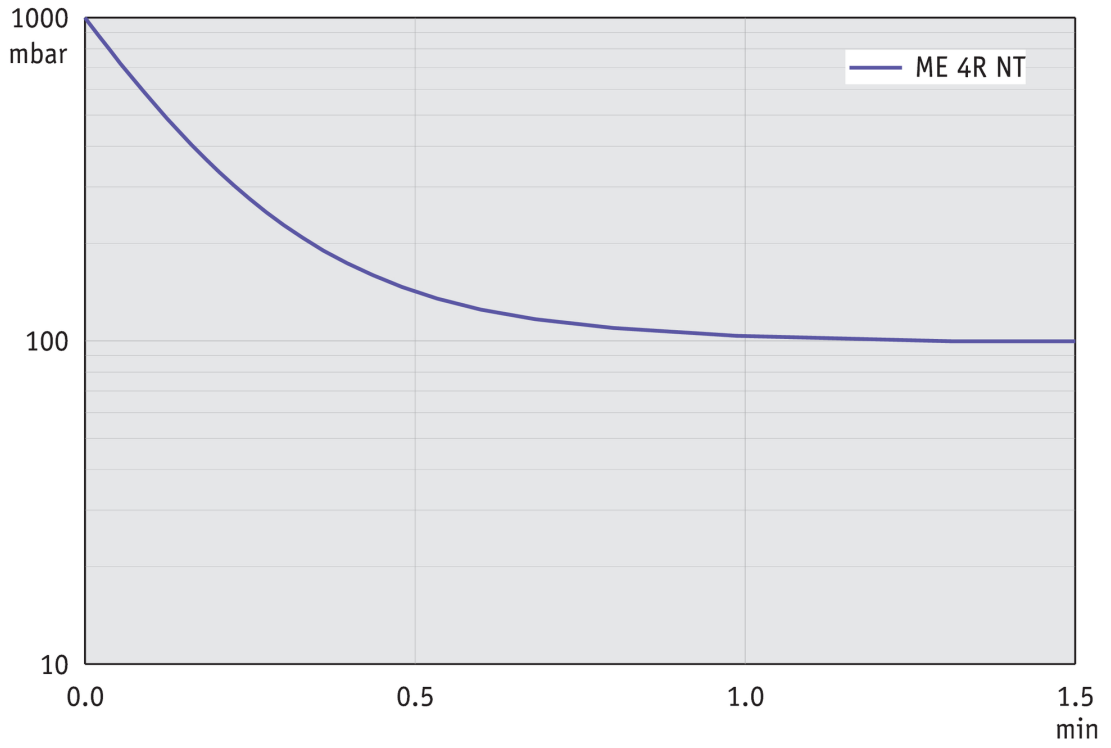
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Pumping speed graph at 50 Hz



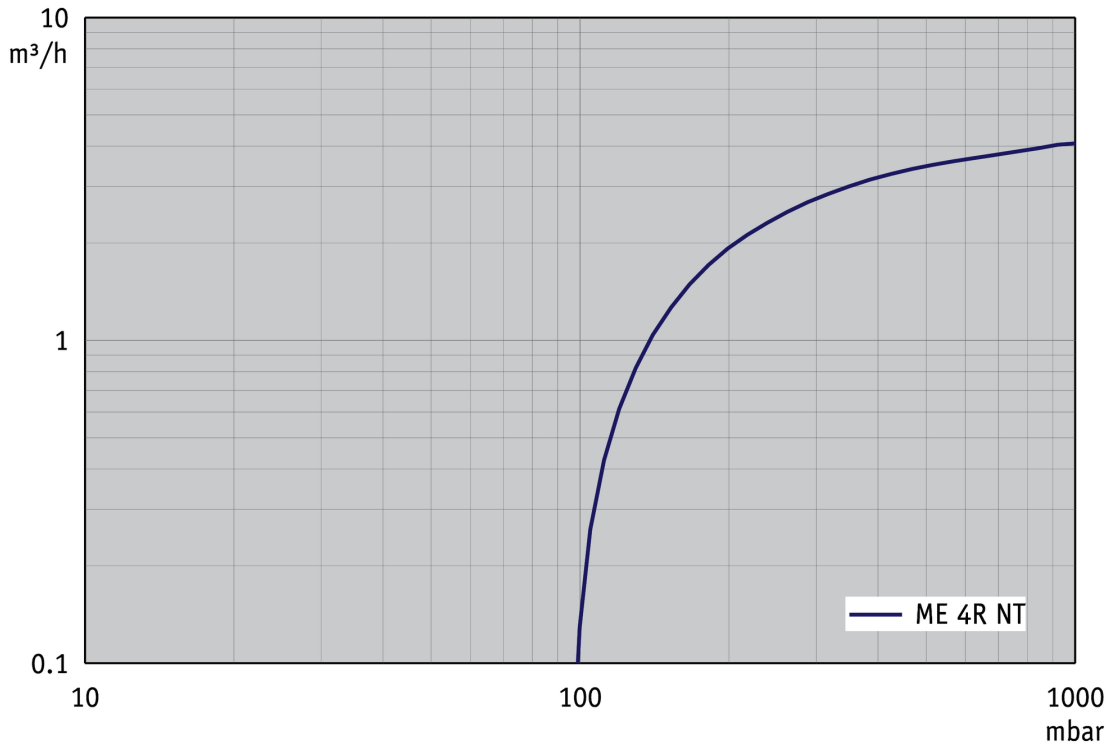
Pump down graph at 50 Hz (10 l volume)



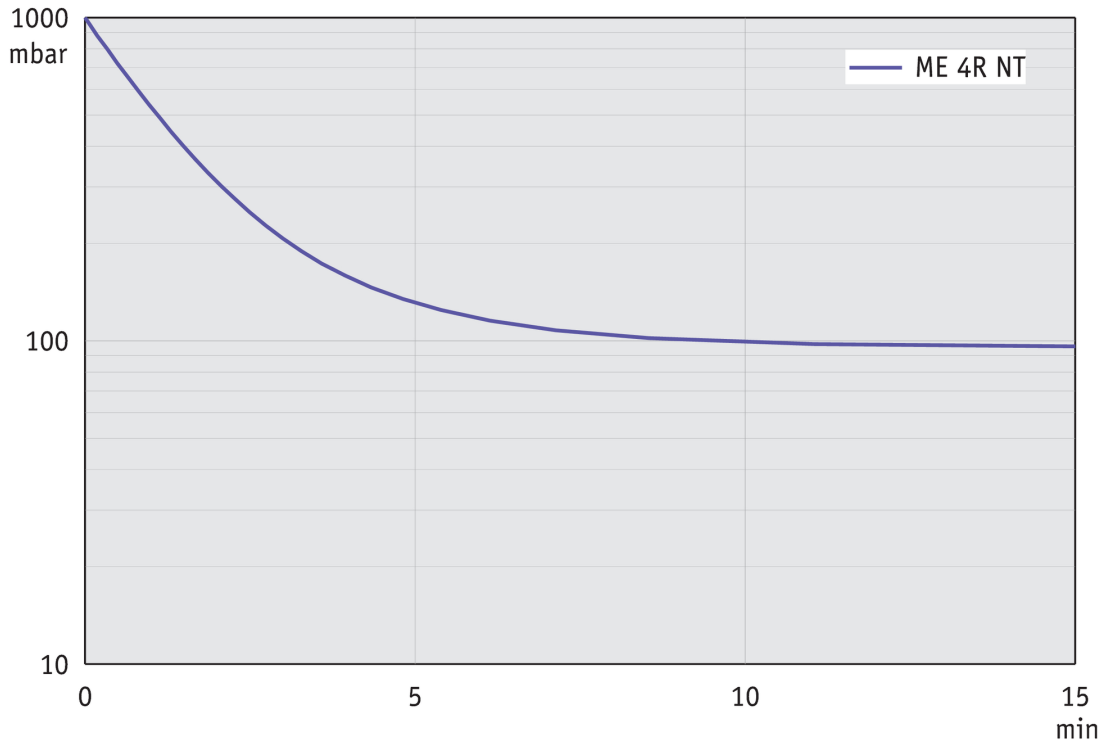
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Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)

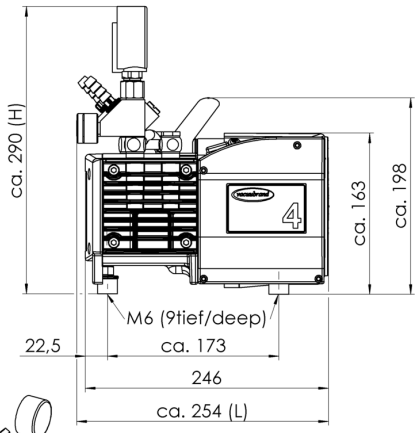


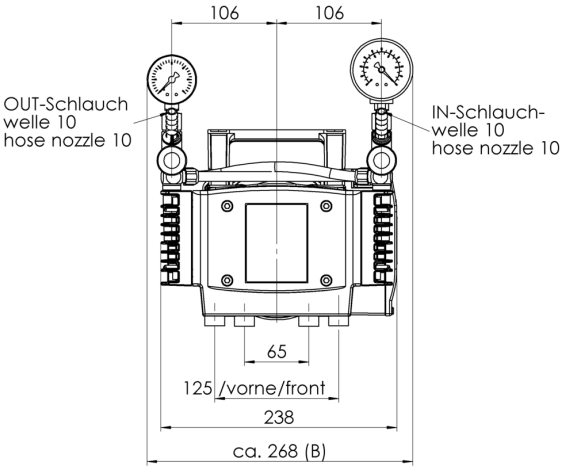
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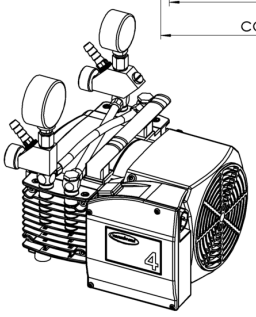
Dimension sheet







Alle Maße / all dimensions (mm)



ME 4R NT
Version 03

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VACUUBRAND

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