Diaphragm pump ME 4 NT

Link to the website

Product description

Diaphragm pumps are an excellent solution for continuous, oil-free evacuation and pumping of gases. All parts in contact with pumped media are made of aluminum and selected plastics, allowing a wide range of applications for non-corrosive gases. The one-stage construction provides the advantageous combination of high pumping speed and an ultimate vacuum down to 70 mbar. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life. The NT-series features further improved performance data.

Performance features

- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- ME 4 NT with low vibration and higher pumping speed
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 4 NT	230 V | 50-60 Hz	CEE	20731000
ME 4 NT	230 V | 50-60 Hz	CH, CN	20731001
ME 4 NT	230 V | 50-60 Hz	UK, IN	20731002
ME 4 NT	100-115 V | 50-60 Hz 120 V | 60 Hz	US	20731003

Items supplied

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

## Accessories

- Rubber vacuum tubing DN 8 mm (20686001)
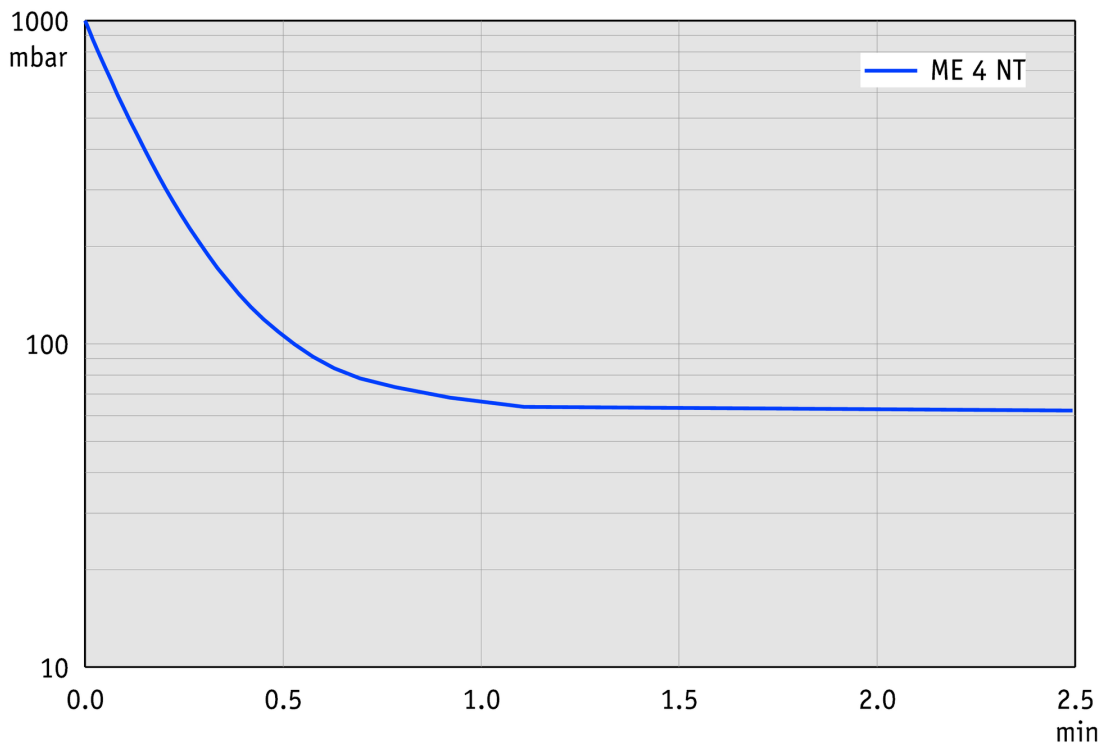- Regulator valve for vacuum ME / MZ / MD 4 / NT (20696840)

Technical data

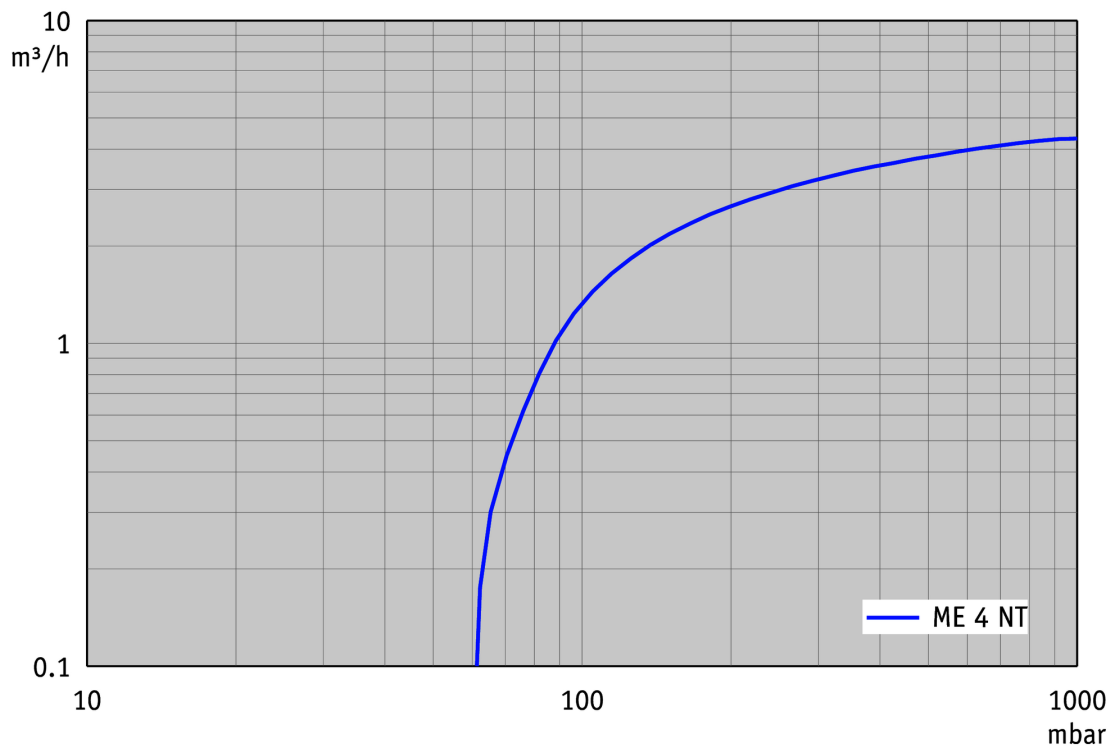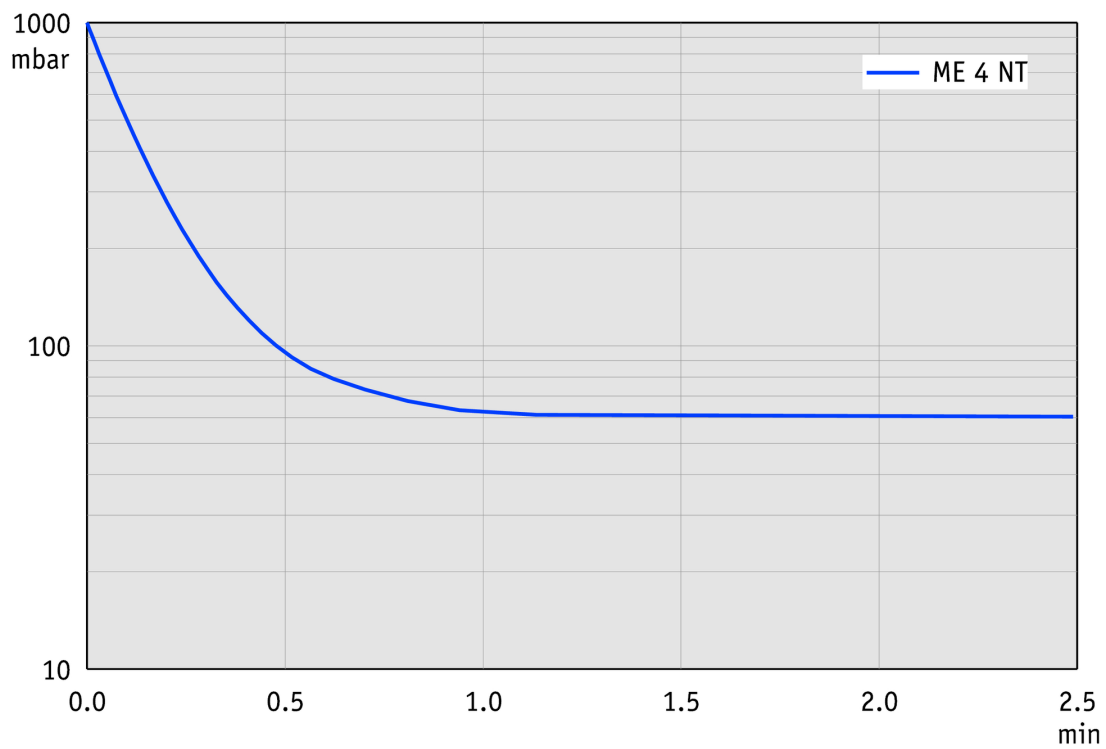|	
Max. pumping speed 50 Hz (mbar)	4 m³/h
Max. pumping speed 60 Hz (cfm)	2.6 cfm
Ultimate vacuum	70 mbar / 52 torr
Number of heads	2
Number of stages	1
Permissible ambient temperature range (operation)	10 - 40 °C
Permissible ambient temperature range (storage)	-10 - 60 °C
Max. outlet pressure (abs.)	2 bar
Inlet connection	Hose nozzle DN 8-10 mm
Outlet connection	2 x 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 239 mm x 198 mm
Weight	11.0 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

Pumping speed graph at 50 Hz

Legend: ME 4 NT
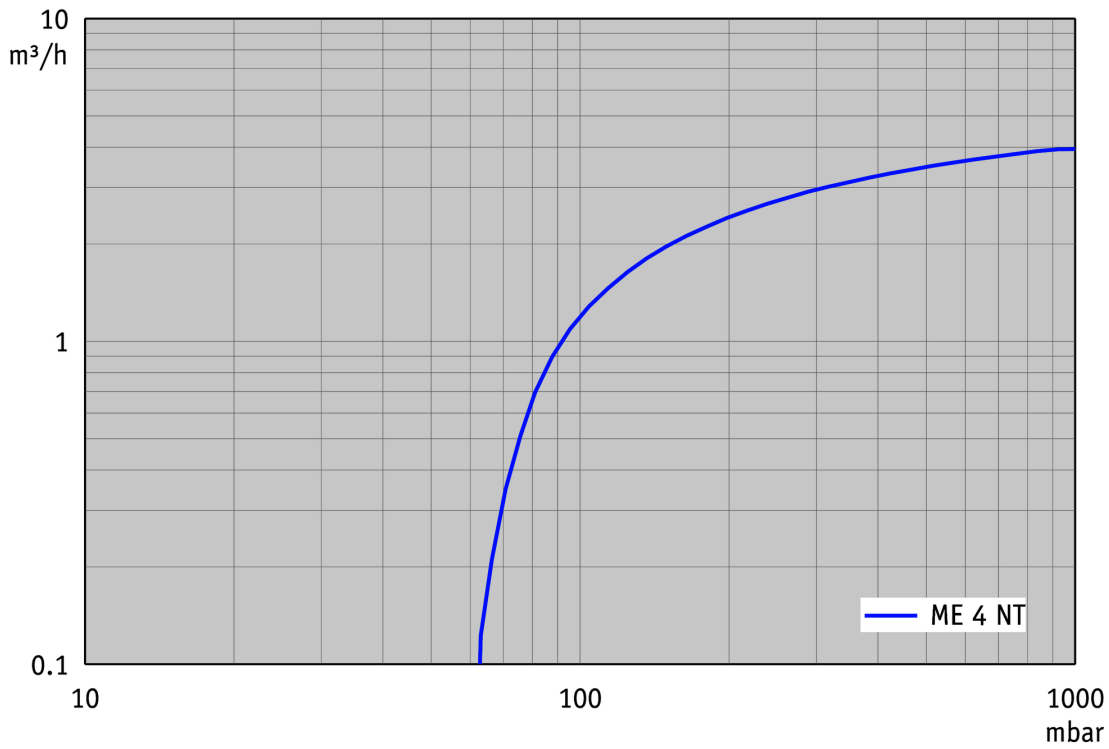
Pump down graph at 50 Hz (10 l volume)

Legend: ME 4 NT

Pumping speed graph at 60 Hz

Pump down graph at 60 Hz (10 l volume)

Dimension sheet

86
80
44
ca. 195
ca. 163
ca. 198
M6 (9tief/deep)
22,5   ca. 173
ca. 245

106   106
65
125 (vorne/front)
ca. 235
ca. 239

OUT - Schalldämpfer Optional
OUT - Optional Silencer

IN - Schlauchwelle DN10/
IN - Hose nozzle DN10

Maßblatt / Dimensions
ME 4 NT

VACUUBRAND®

Alle Maße in mm
Technische Änderung vorbehalten

All dimensions in mm
Technical data are subject to change
without notice

10000018695-000-04

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