

# Chemistry diaphragm pump ME 4C NT

[Link to the website](#)



## Product description

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. The one-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum down to 70 mbar. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms increase reliability and extend operating life. The NT-series features further improved performance data, higher tolerance for condensates and simplified maintenance. The ME 4C NT is also available as chemistry vacuum system ME 4C NT +2AK with inlet separator to protect the pump against particles and liquid droplets, plus outlet separator to collect condensate.

## Performance features

- outstanding chemical resistance
- high performance even at low vacuum levels
- whisper quiet
- low vibration
- long diaphragm life, maintenance-free drive system

## Ordering data

Product name	Nominal mains voltage   mains frequency	Plug type	Articleno.
ME 4C NT	230 V   50-60 Hz	UK, IN	20731202

## Items supplied

Pump completely mounted, ready for use, with manual.

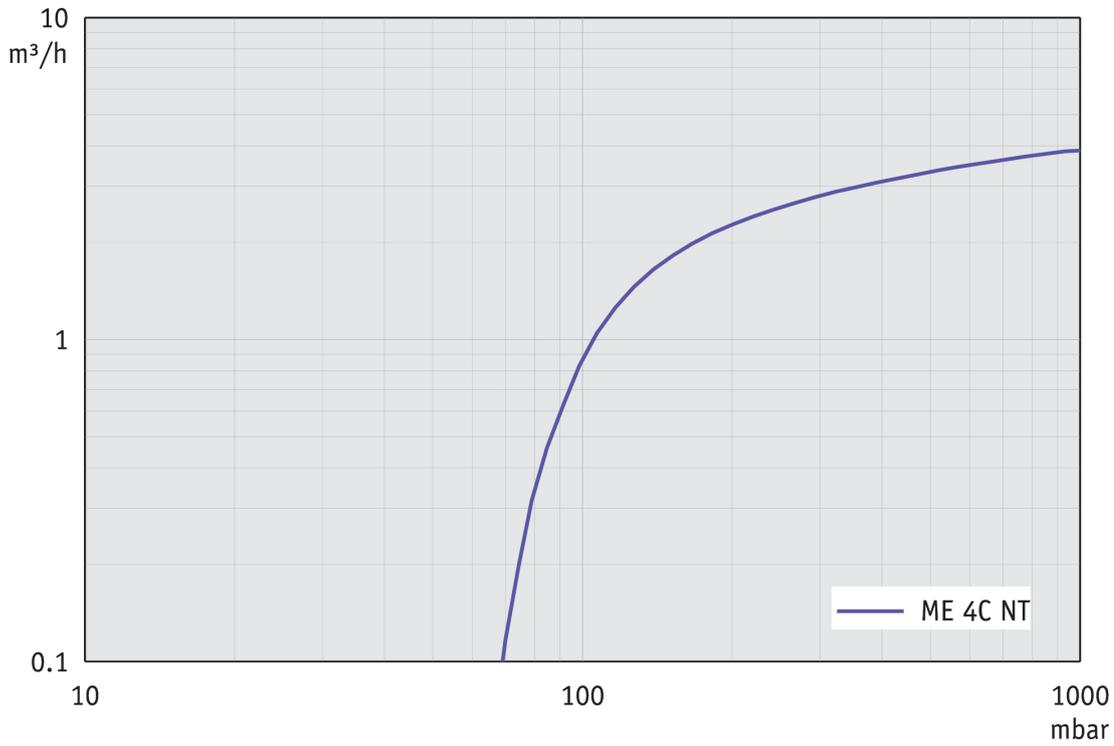
## Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- Rubber vacuum tubing DN 8 mm (20686001)

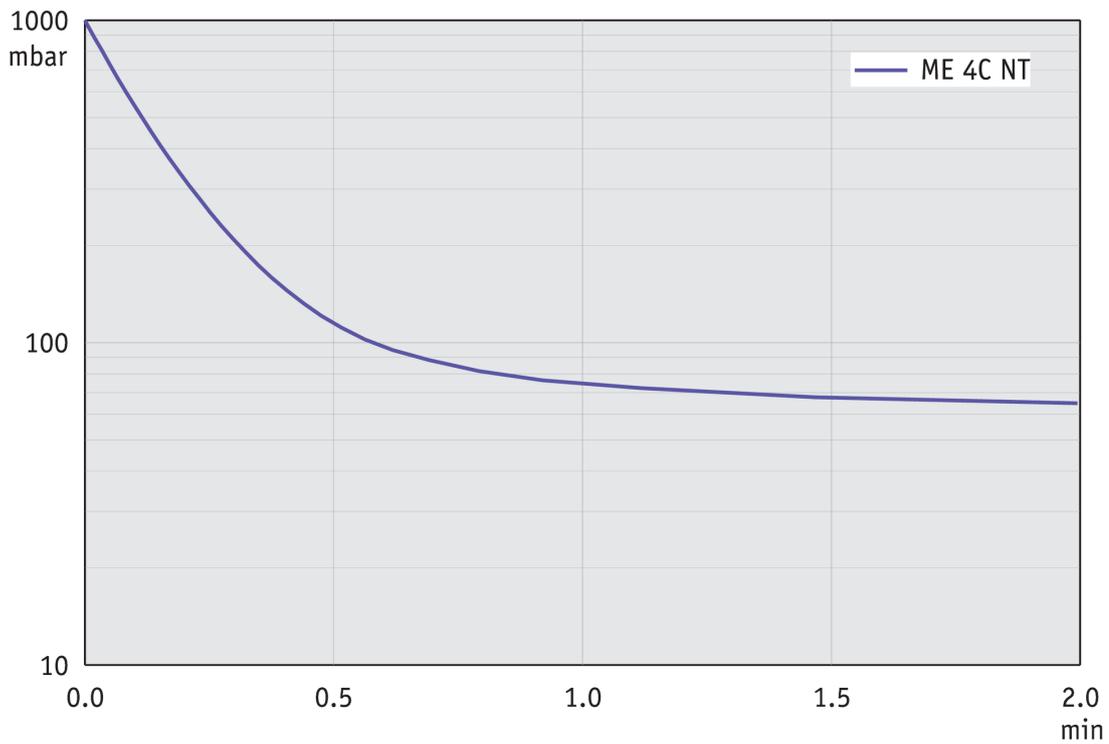
## Technical data

Max. pumping speed 50 Hz (mbar)	3.9 m <sup>3</sup> /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.)	1.1 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 <sup>-1</sup>
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	254 mm x 243 mm x 198 mm
Weight	11.1 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

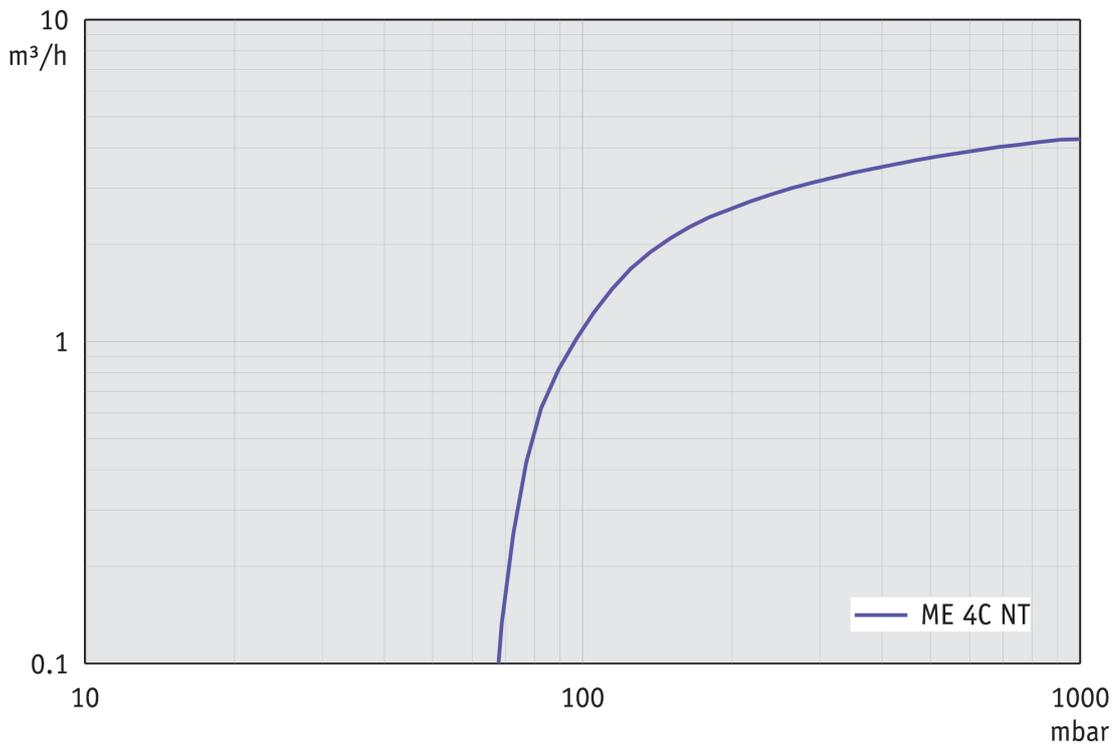
## Pumping speed graph at 50 Hz



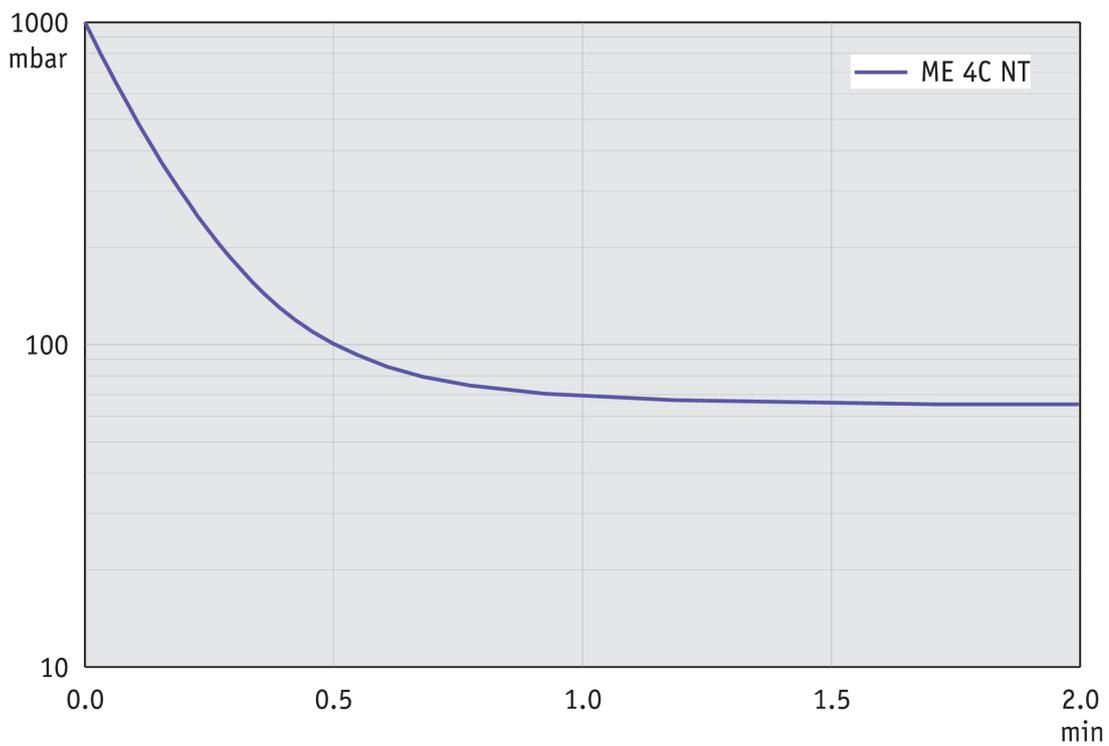
## Pump down graph at 50 Hz (10 l volume)



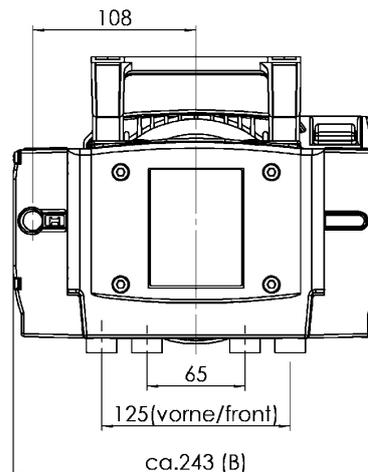
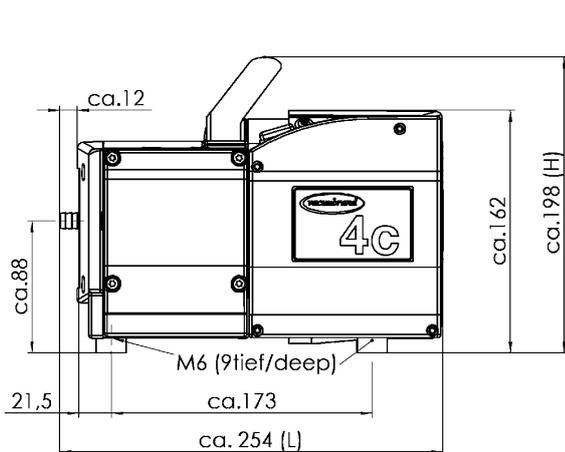
Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)

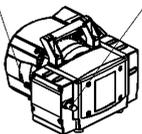


## Dimension sheet



EX - Schlauchwelle 10  
hose nozzle 10

IN - Schlauchwelle 10  
hose nozzle 10



Alle Maße / all dimensions (mm)

VACUUBRAND ME 4C NT  
Version 2009/03/17

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