

# Chemistry diaphragm pump ME 2C 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
- outstanding chemical resistance
- long diaphragm life, maintenance-free drive system

Ordering data

| Product name | Nominal mains voltage   mains frequency | Plug type | Articleno. |
|--------------|-----------------------------------------|-----------|------------|
| ME 2C NT     | 230 V   50-60 Hz                        | CEE       | 20730100   |
| ME 2C NT     | 230 V   50-60 Hz                        | UK, IN    | 20730102   |
| ME 2C NT     | 100-115 V   50-60 Hz<br>120 V   60 Hz   | US        | 20730103   |

Items supplied

Pump completely mounted, ready for use, with manual.

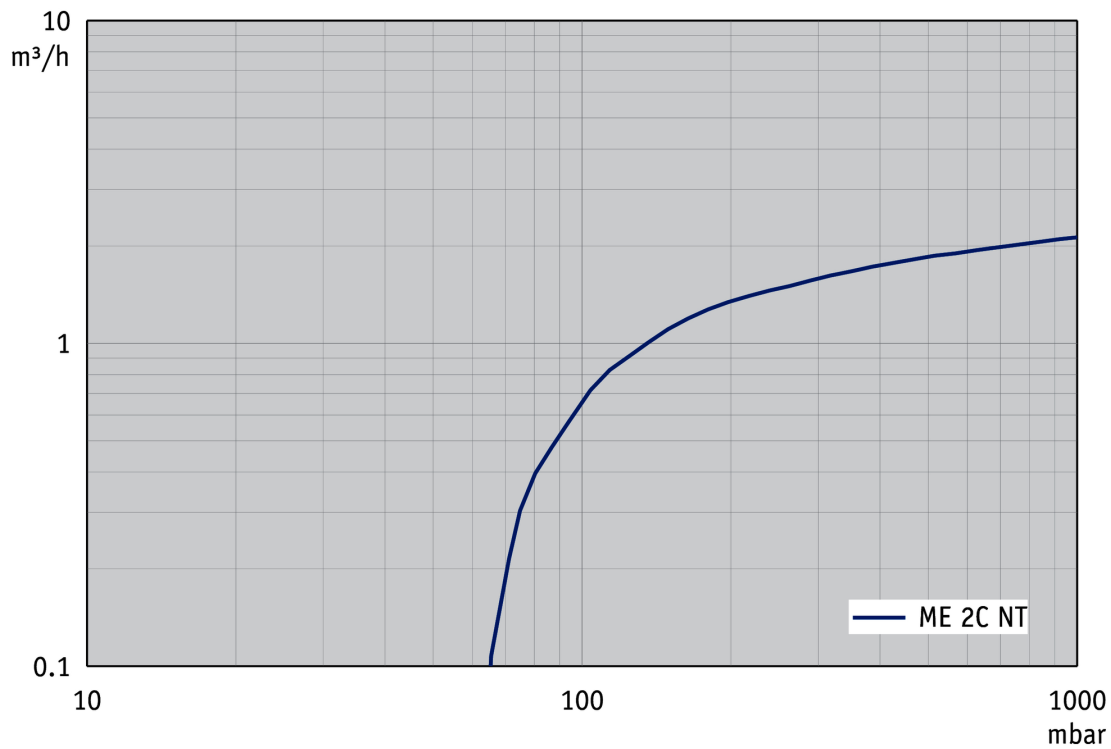
Accessories

- Set of diaphragm and valves ME 2C NT (20696878)
- Silencer with hose 5cm DN 8-10mm (20636588)
- Vacuum tubing transparent DN 8 mm (20686061)

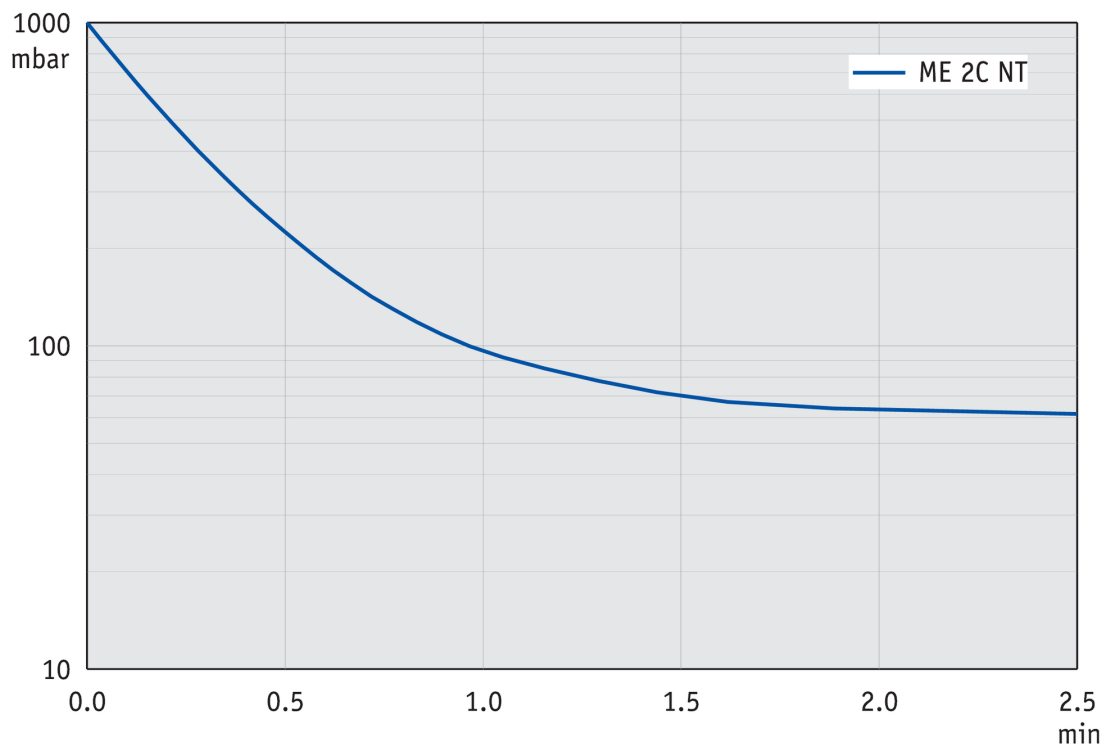
## Technical data

| Max. pumping speed 50 Hz (m³/h)                                                                                  | 2.1 m³/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.)                                                                                      | 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)                                                                                           | 243 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                      |
| NRTL certification                                                                                               | Yes                         |

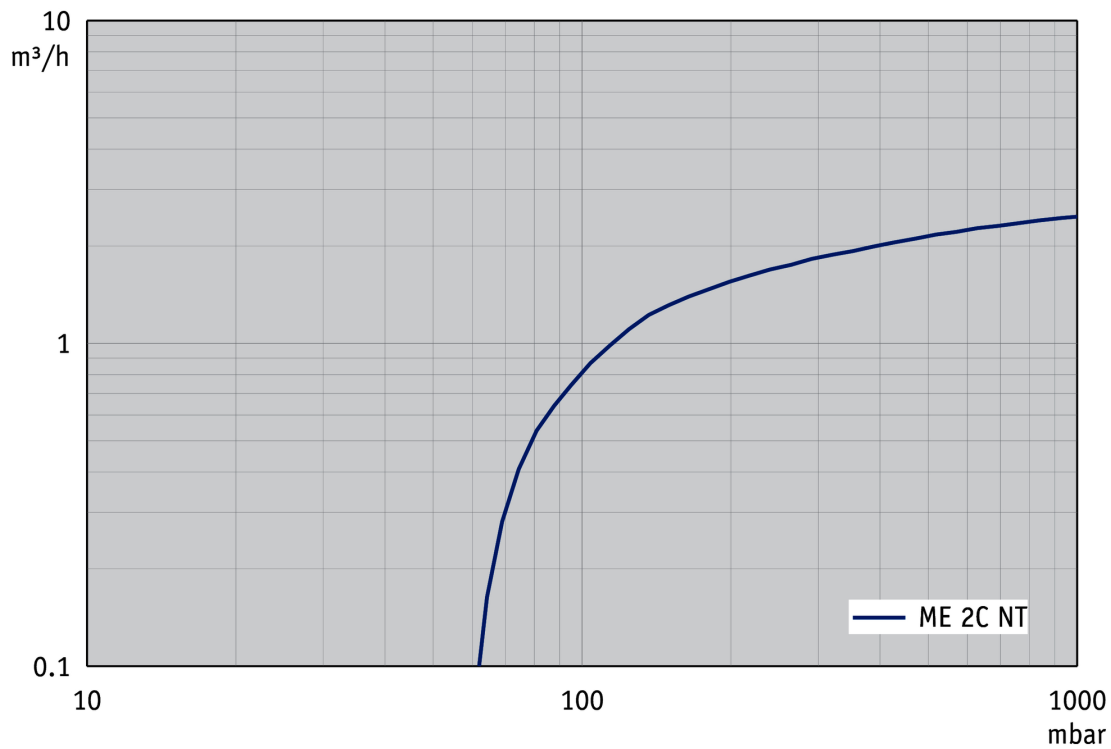
## Pumping speed graph at 50 Hz



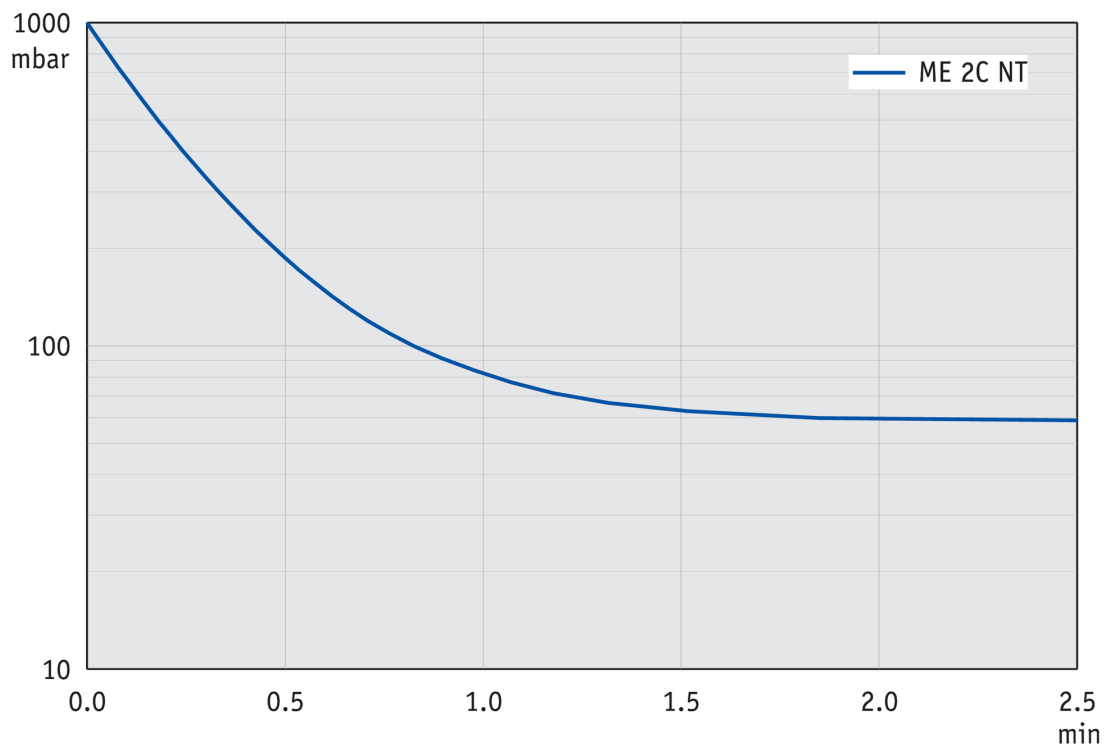
## Pump down graph at 50 Hz (10 l volume)



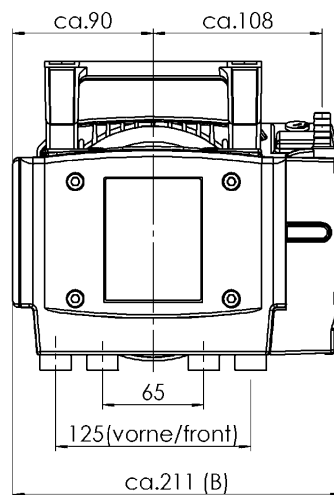
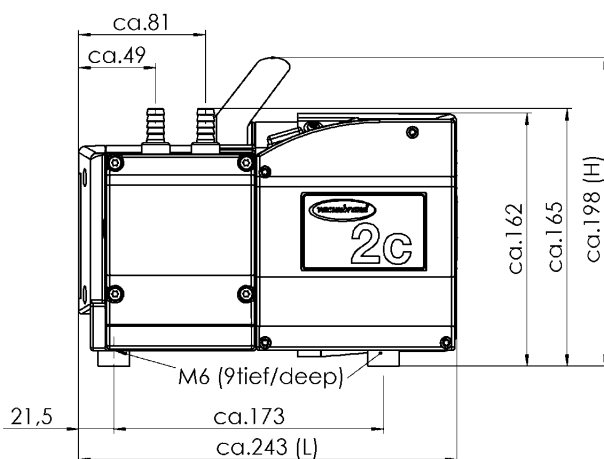
## Pumping speed graph at 60 Hz



## Pump down graph at 60 Hz (10 l volume)

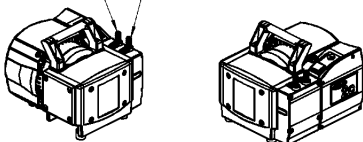


## Dimension sheet



EX - Schlauchwelle 10  
hose nozzle 10

IN - Schlauchwelle 10  
hose nozzle 10



Alle Maße / all dimensions (mm)

VACUUBRAND ME 2C NT 100-230V  
Version 2011/11/28

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