

# Chemistry diaphragm pump ME 16C NT

[Link to the website](#)

## Product description

Chemistry diaphragm pumps of the NT design 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 parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms increase reliability and extend operating life. The eight-cylinder pump ME 16C NT provides a particularly high performance together with a compact design. Accessories such as inlet separator (AK) for protection of the pump and exhaust vapor condenser (EK) for solvent recovery can be mounted on this pump later, if the need arises. Eight-cylinder NT pumps feature quiet operation, smooth and easy to clean surfaces.

## Performance features

- outstanding chemical resistance and superior vapor tolerance
- very high pumping speed even at low vacuum levels
- compact design
- whisper quiet and very low vibration
- long diaphragm life, maintenance-free drive system

## Ordering data

| Product name | Nominal mains voltage   mains frequency | Plug type | Articleno. |
|--------------|---|-----------|------------|
| ME 16C NT    | 200-230 V   50-60 Hz                    | UK, IN    | 20741302   |

## Items supplied

Pump completely mounted, ready for use, with manual.

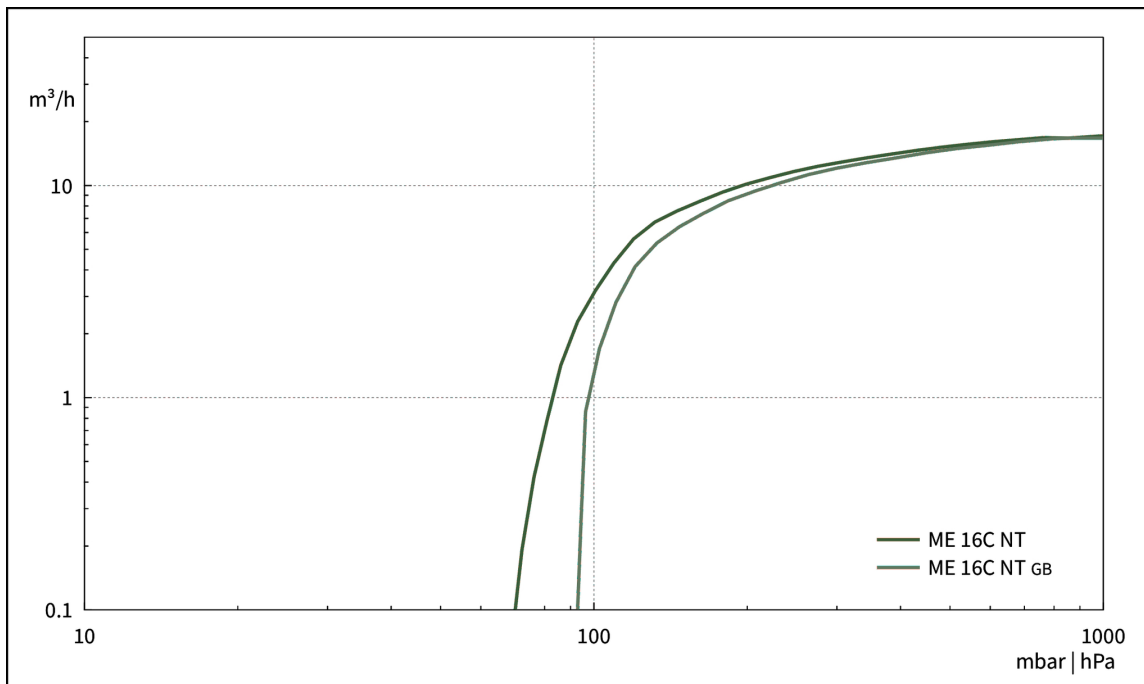
## Accessories

- Set of diaphragms and valves ME 8C NT (20696867)
- Inlet separator AK with round bottom flask 500 ml, with connections KF DN 25 and hose nozzle DN 15 mm AK 500 / KF DN 25 (20699979)
- Silencer with hose 5cm DN 8-10mm (20636588)
- Clamping ring for small flange KF DN 20/25 (20660001)
- External centring ring for small flange KF DN 20/25 (20660196)
- Vacuum tubing PVC with internal stainless steel spiral, with small flanges KF DN 25 (20686021)
- Small flange with hose nozzle KF DN 25 / DN 10 mm (20662807)
- Rubber vacuum tubing DN 10 mm (20686002)
- Set of diaphragms and valves ME 8C NT (20696867)

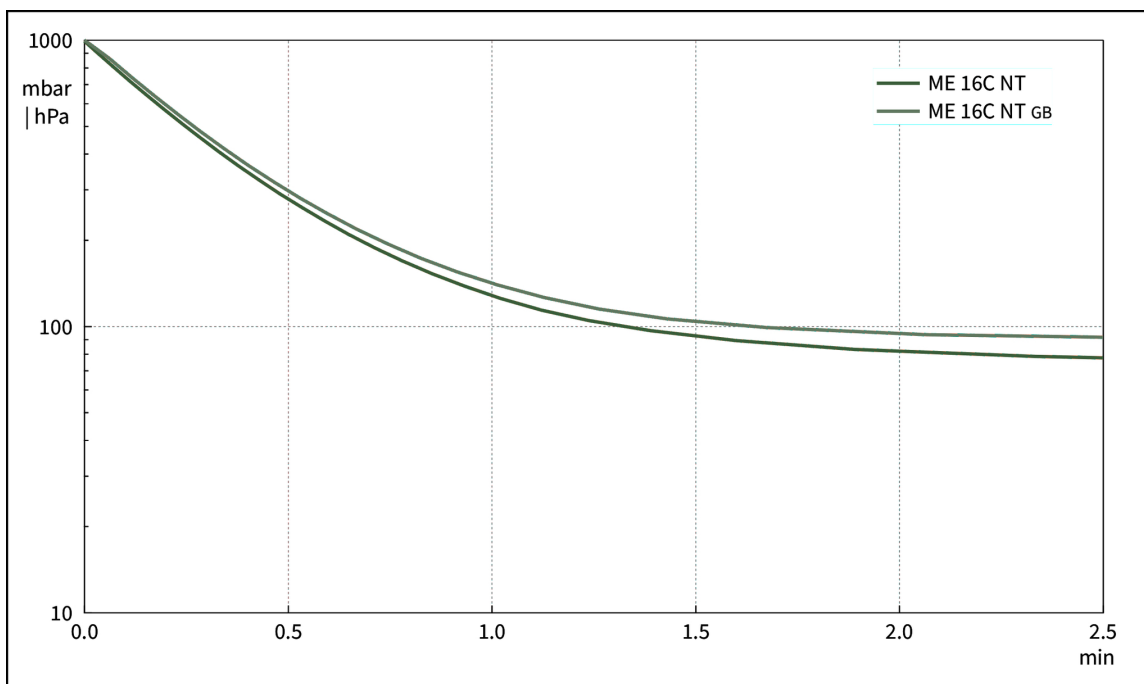
## Technical data

| Max. pumping speed 50 Hz (mbar)  | 16.3 m <sup>3</sup> /h                       |
|--|--|
| Max. pumping speed 60 Hz (cfm)   | 9.6 cfm                                      |
| Ultimate vacuum  | 70 mbar / 53 torr                            |
| Ultimate vacuum with gas ballast   | 100 mbar / 75 torr                           |
| Number of heads  | 8  |
| 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   | small flange KF DN 25                        |
| Outlet connection  | Hose nozzle DN 15 mm                         |
| Rated motor power  | 0.53 kW                                      |
| Rated speed 50/60 Hz   | 1650 min <sup>-1</sup>                       |
| Protection class IEC 60529   | IP 40  |
| Dimensions (L x W x H)   | 533 mm x 260 mm x 359 mm                     |
| Weight   | 27.3 kg                                      |
| Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 54 dBA                                       |
| ATEX conformity  | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL certification   | No   |

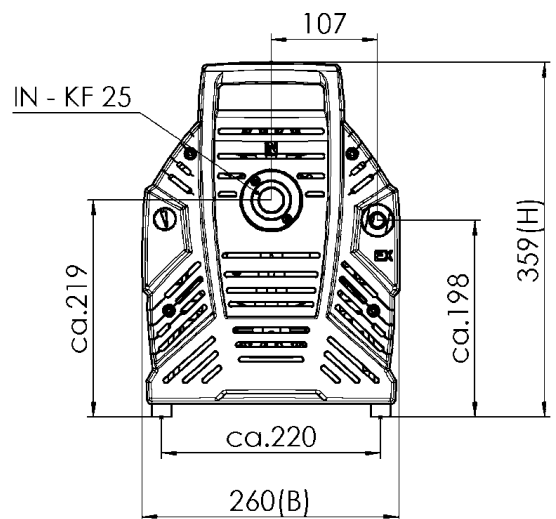
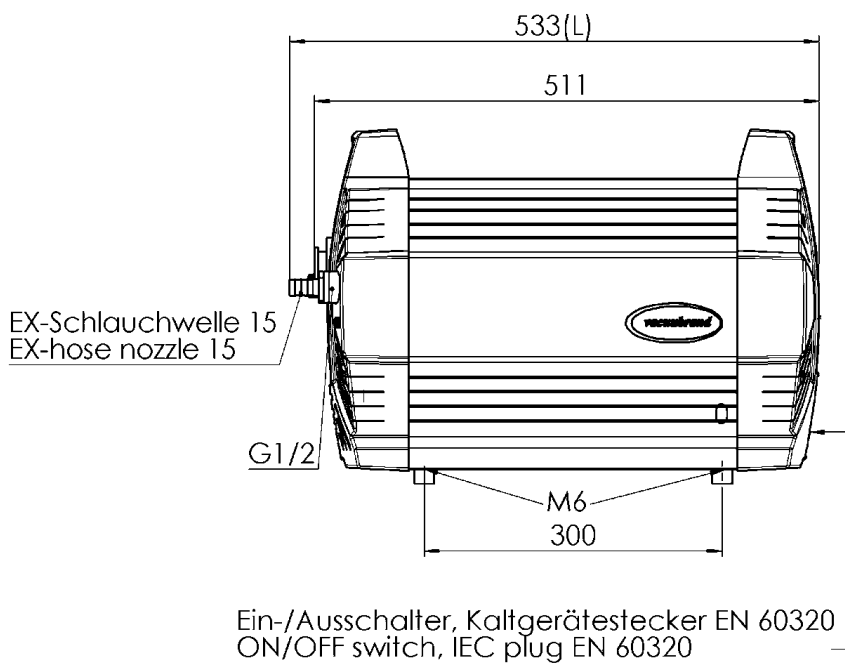
## Pumping speed graph at 50 Hz



## Pump down graph at 50 Hz (100 l volume)



## Dimension sheet



Alle Maße / all dimensions (mm)

VACUUBRAND ME 16C NT, MD 12C NT, MV 10C NT  
Version 2012/04/20

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