VACUUBRAND®

Chemistry vacuum system ME 16C NT +EK

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 major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms for increased reliability and extended operating life. The eight cylinders pump ME 16C NT provides a particularly high performance together with a compact design. Upgraded with an outlet exhaust vapor condenser (EK) the ME 16C NT +EK provides an environmental friendly system with efficient solvent recovery. 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
- excellent environmental friendliness due to efficient solvent recovery

Technical data are subject to change without notice
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Link to the website:
https://shop.vacuubrand.com/vp-4845

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 16C NT +EK	200-230 V | 50-60 Hz	CEE	20741500
ME 16C NT +EK	120 V | 50-60 Hz	US	20741503

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)

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Technical data

Max. pumping speed 50 Hz (m^3/h)	16.3 m^3/h
Max. pumping speed 60 Hz (cfm)	9.6 cfm
Ultimate vacuum	70 mbar / 53 torr
Ultimate vacumm 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 8-10 mm
Coolant connection	2 x hose nozzle DN 6-8 mm
Rated motor power	0.53 kW
Rated speed 50/60 Hz	1650 min^{-1}
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	528 mm x 387 mm x 395 mm
Weight	28.3 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

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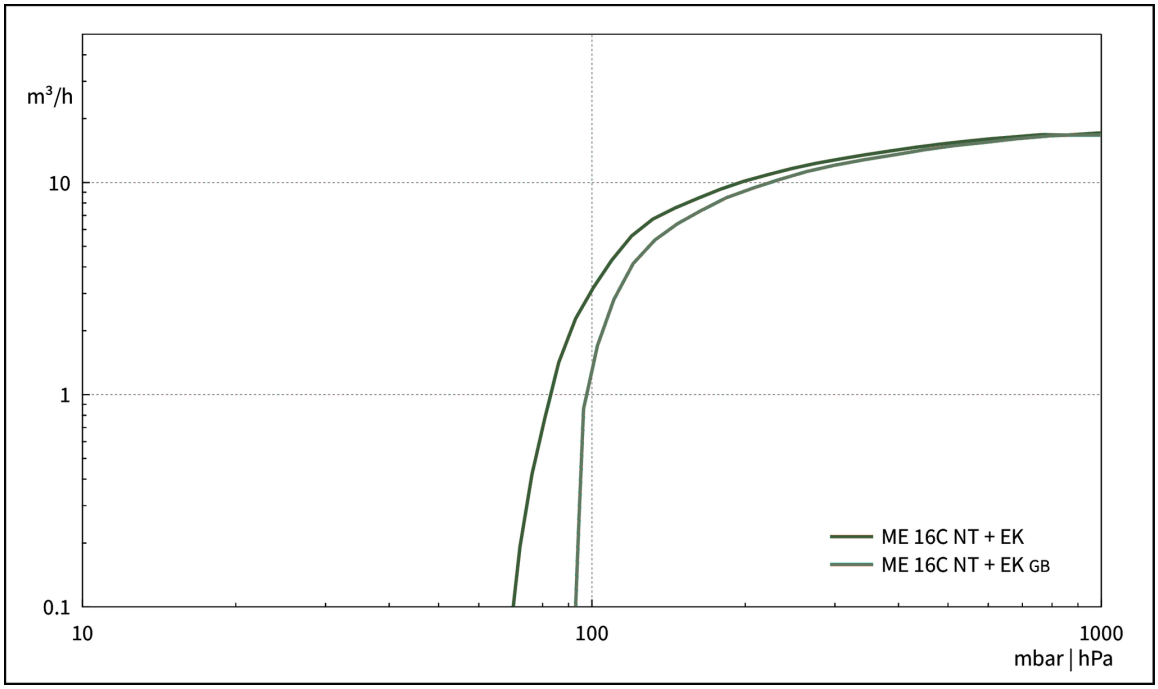
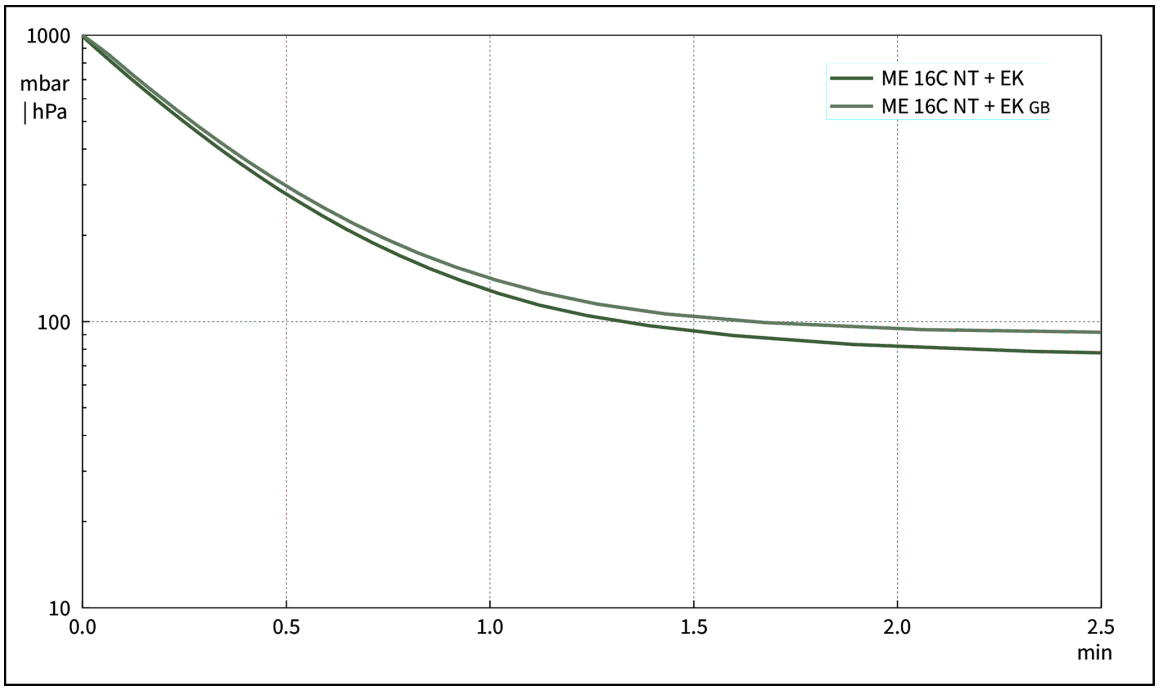
Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (100 l volume)



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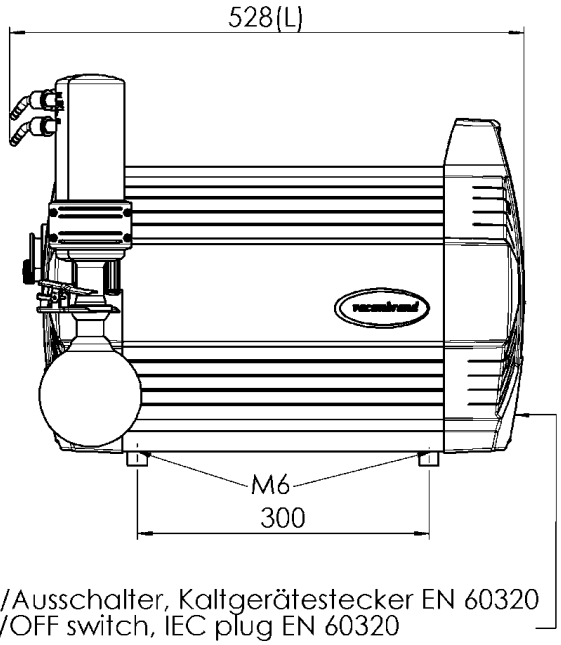
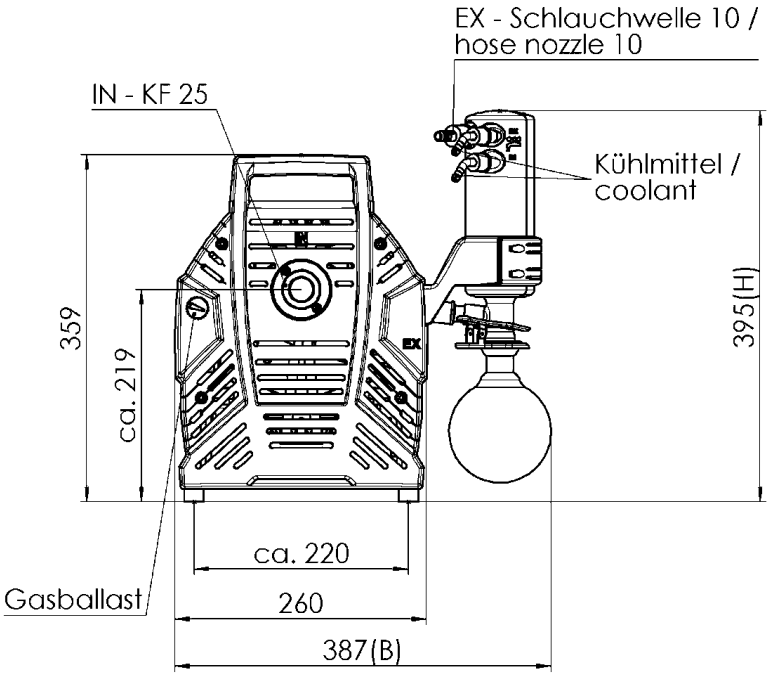
Dimension sheet



Ein-/Ausschalter, Kaltgerätestecker EN 60320
ON/OFF switch, IEC plug EN 60320

Alle Maße / all dimensions (mm)



VACUUBRAND ME 16C NT EK, MD 12C NT EK, MV 10C NT EK
Version 2013/07/29

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VACUUBRAND

VACUUBRAND is part of the Brand group, a manufacturer of high-quality and innovative laboratory equipment and vacuum technology with a global team of approx. 1,000 employees.

With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

All with one goal:
Enabling our customers to run reliable, safe and efficient processes. This is why we commit ourselves to continuous innovation, first-class performance, and outstanding quality.

Engineering excellence is central to our ability to deliver products and solutions renowned for their quality, durability, and reliability. Innovative technology, high quality materials and extensive testing deliver unmatched performance - engineered and manufactured in Germany.

Together with you, our experts will find the best solution for your application and provide you with first-class service along the way.

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