VACUUBRAND®

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

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Link to the website:
https://shop.vacuubrand.com/20741300

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 16C NT	200-230 V | 50-60 Hz	CEE	20741300

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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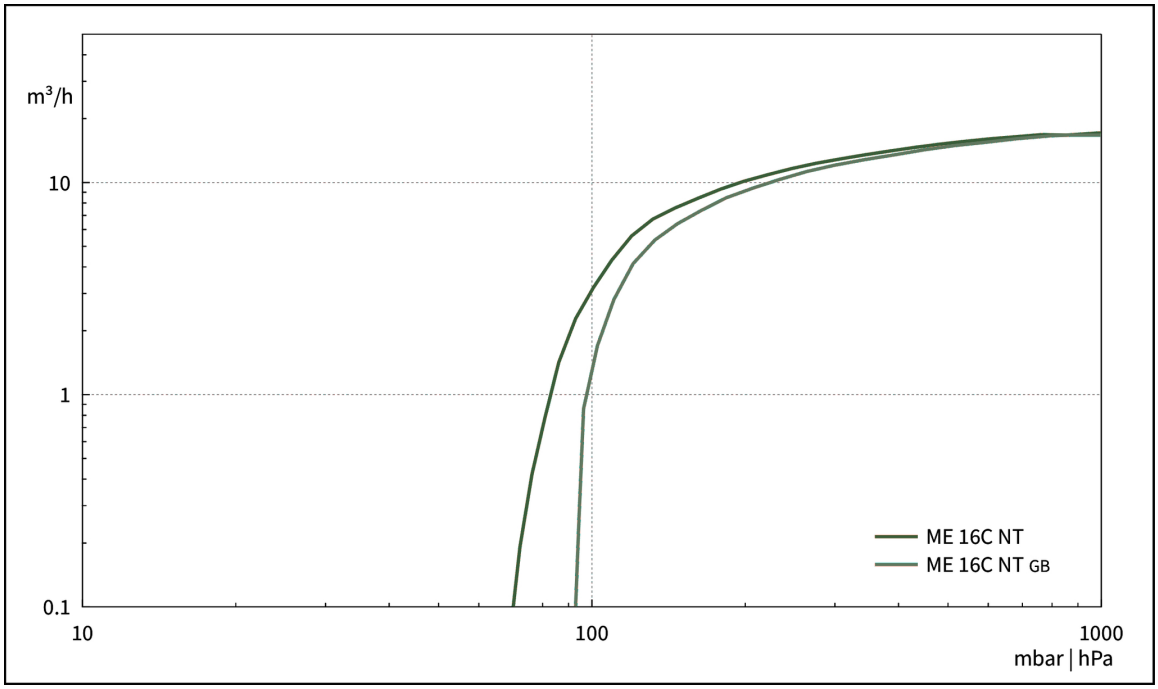
Technical data

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 15 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)	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

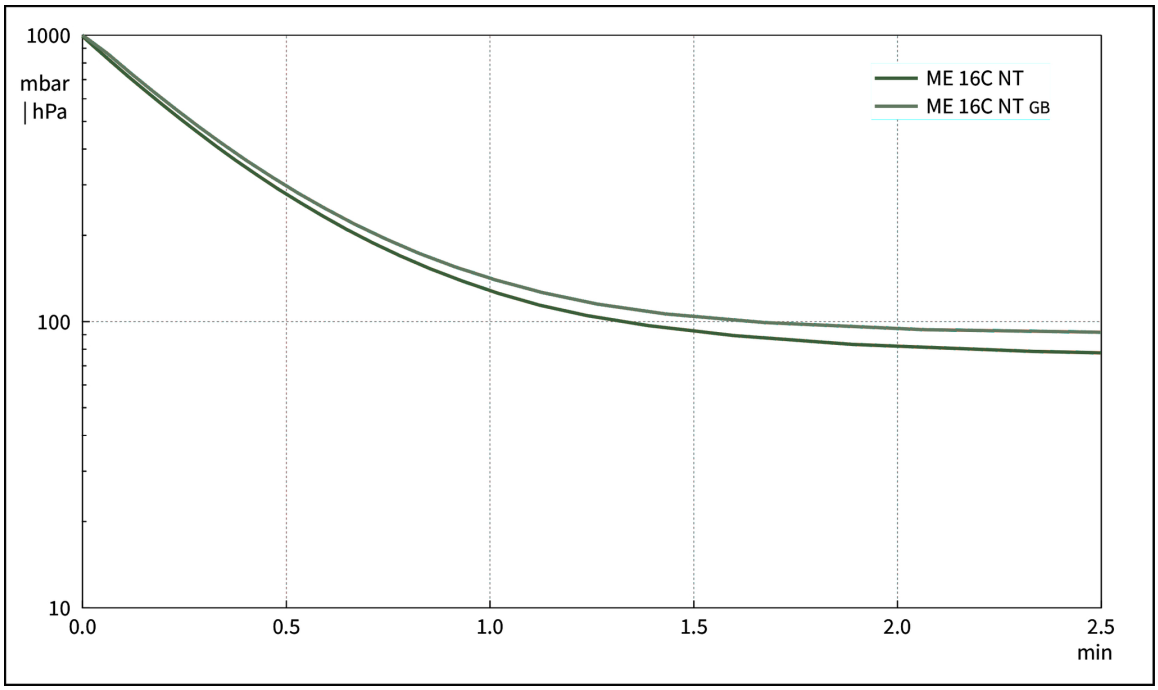
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Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (100 l volume)

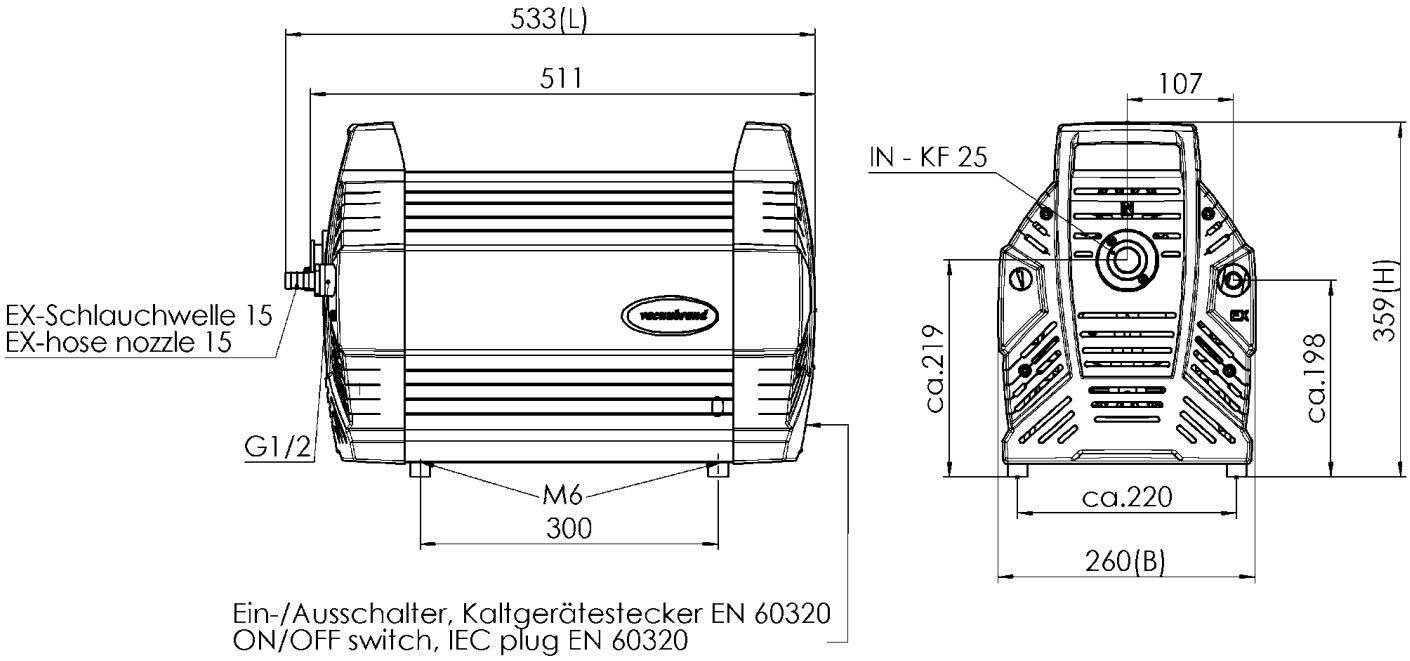


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Dimension sheet





Alle Maße / all dimensions (mm)

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

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VACUUBRAND GMBH + CO KG
P.O. Box 1664
97877 Wertheim
T +49 9342 808 5550
F +49 9342 808 5555

info@vacuubrand.com
www.vacuubrand.com

VACUUBRAND

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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.

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BRAND (Shanghai) Trading Co., Ltd.
Shanghai, China

T +86 21 6422 2318
info@brand.com.cn
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.
Mumbai, India

T +91 22 42957790
customersupport@brand.co.in
www.brand.co.in

BRANDTECH® Scientific, Inc.
Essex, CT. United States of America

T +1 860 767 2562
info@brandtech.com
www.brandtech.com

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