VACUUBRAND®

VARIO® chemistry diaphragm pump ME 16C NT VARIO select



Link to the website

Product description

The ME 16C NT VARIO select pump is an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. This single stage pump provides an advantageous combination of high pumping speed and 70 mbar ultimate vacuum that make it a great choice for evaporation of large quantities of low boiling point solvents. With pump heads constructed from chemical resistant fluoroplastics, and the proven PTFE sandwich diaphragm, our chemistry rated pumps feature unrivaled service intervals. The integrated VACUU·SELECT controller provides an easy-to-use, application based interface that covers all common lab applications. The VACUU·SELECT controller has you covered. Use manual set-point-control for simple processes, run fully automated distillations, or create your own application with simple drag-and-drop editing. For solvent evaporation, the VACUU·SELECT controller continuously detects the boiling point and automatically adjusts the vacuum process to meet process requirements. With VARIO control, the pump runs only as fast as is necessary. This extends the maintenance intervals and makes the pumping unit quiet.

Performance features

- VACUU·SELECT vacuum controller with graphical user interface and predefined applications simplifies work in the laboratory
- automatic boiling point detection and adjustment of the vacuum for short process times
- suitable for evaporation of large quantities of low-boiling solvents
- extraordinary diaphragm life for minimum operational and servicing costs

Technical data are subject to change without notice
© VACUUBRAND GMBH + CO KG | 2026

Link to the website:
https://shop.vacuubrand.com/25741753

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
ME 16C NT VARIO select	100-120 V | 50-60 Hz	US	25741753

Items supplied

Pump completely mounted, ready for use, with manual.

Accessories

- Function extension for VACUU·SELECT controller VACUU·SELECT User Management (20700900)
- 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)

© VACUUBRAND GMBH + CO KG | 2026

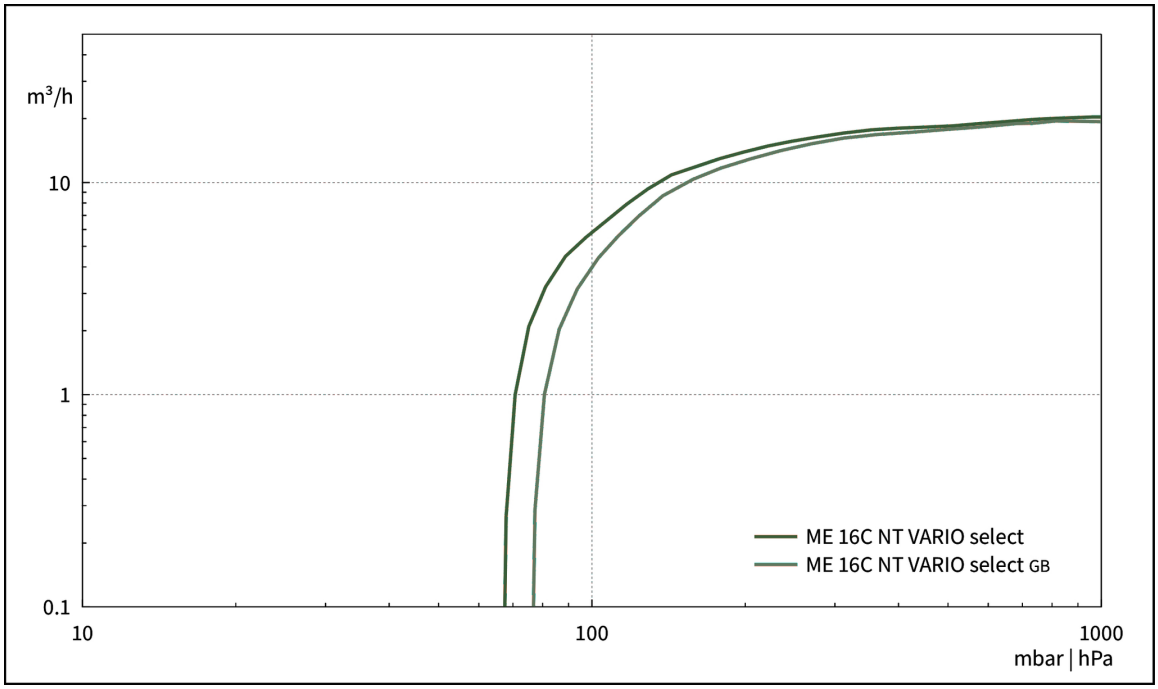
Technical data

Max. pumping speed 50 Hz (m^3/h)	19.3 m^3/h
Max. pumping speed 60 Hz (cfm)	11.4 cfm
Ultimate vacuum	70 mbar / 53 torr
Ultimate vacumm with gas ballast	100 mbar / 75 torr
Number of heads	8
Number of stages	1
Vacuum controller	VACUU·SELECT
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
Motor speed range	30 - 2400 min^{-1}
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	533 mm x 260 mm x 450 mm
Weight	28.9 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	47 dBA
NRTL certification	No
Interface	Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required)

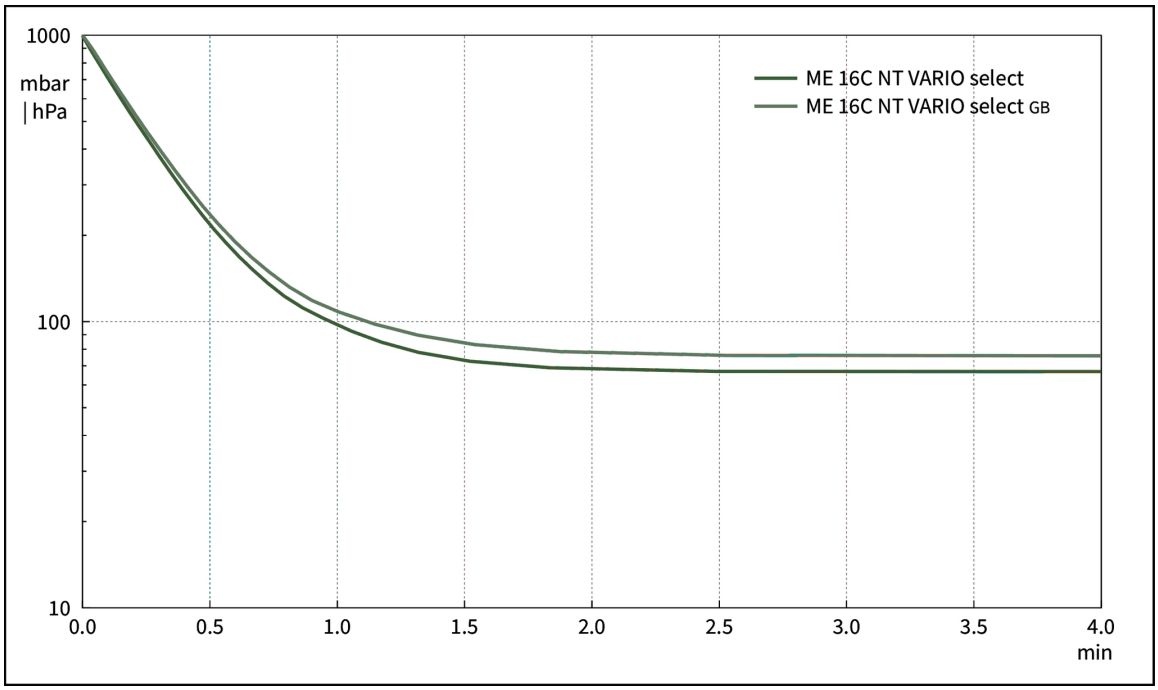
Technical data are subject to change without notice
© VACUUBRAND GMBH + CO KG | 2026

Link to the website:
https://shop.vacuubrand.com/25741753

Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (100 l volume)

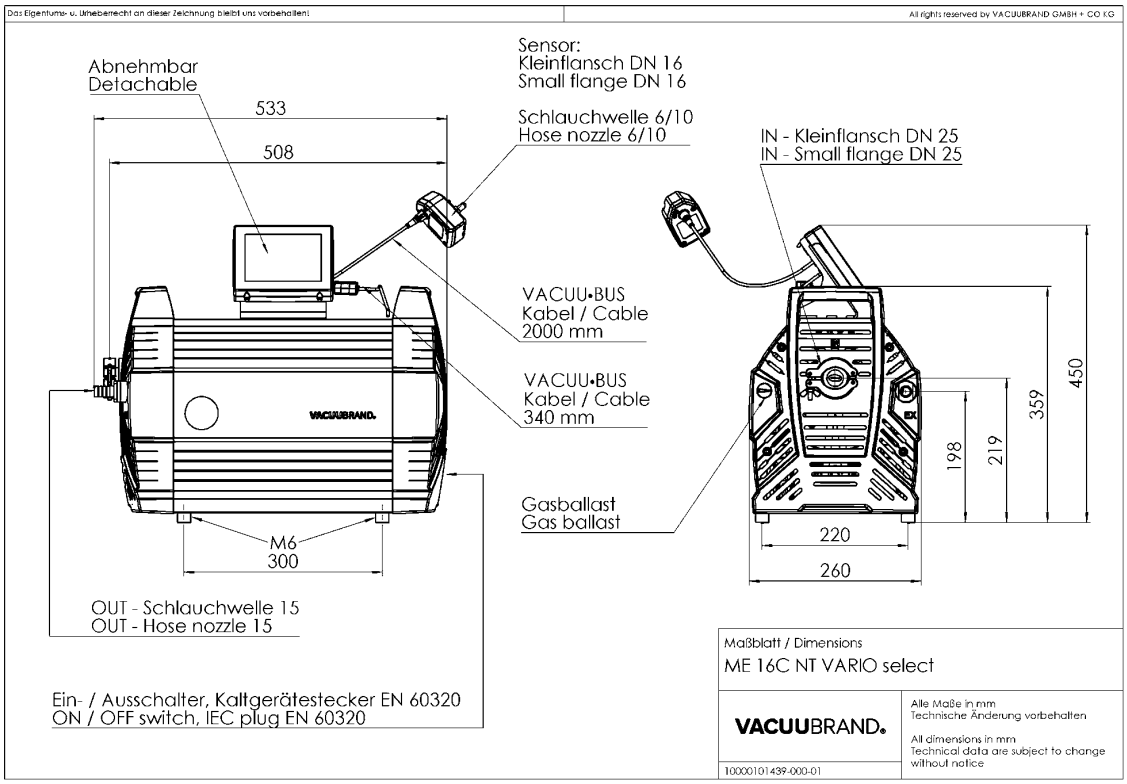


Technical data are subject to change without notice
© VACUUBRAND GMBH + CO KG | 2026

Link to the website:
https://shop.vacuubrand.com/25741753

Dimension sheet





© VACUUBRAND GMBH + CO KG | 2026

Link to the website:
https://shop.vacuubrand.com/25741753

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

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.

© VACUUBRAND GMBH + CO KG

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

BRANDGROUP®