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

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https://shop.vacuubrand.com/25741750

## Ordering data

| Product name | Nominal mains voltage \| mains frequency | Plug type | Articleno. |
|---|---|---|---|
| ME 16C NT VARIO select | 200-230 V \| 50-60 Hz | CEE | 25741750 |

## 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)


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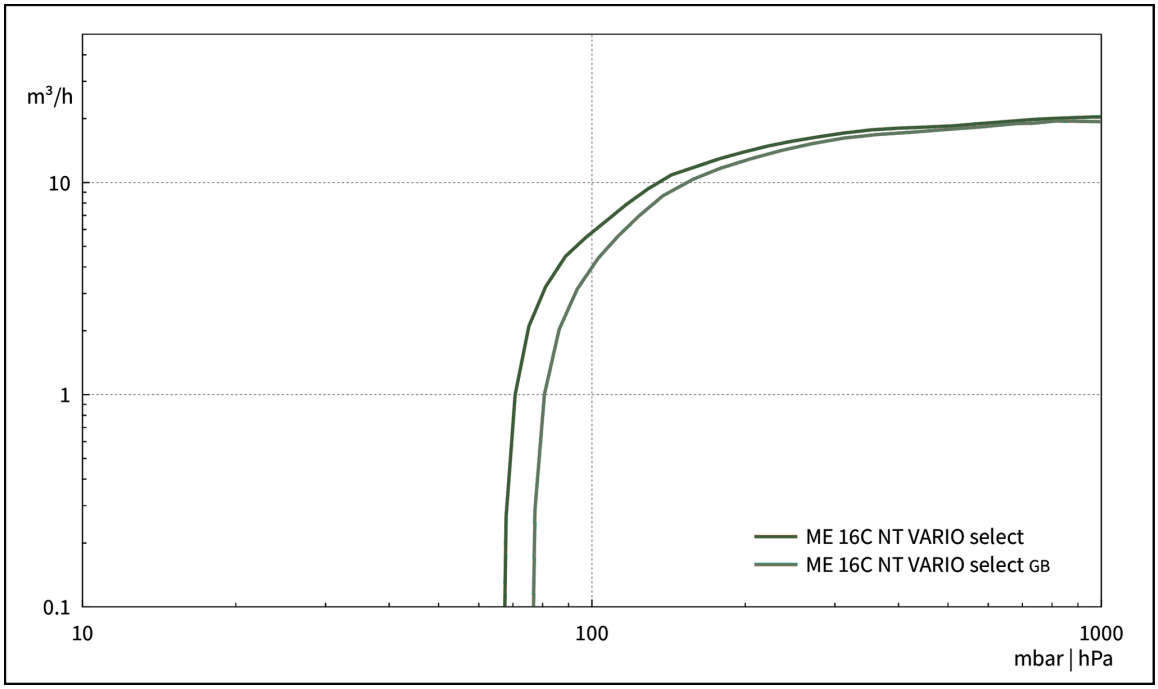
## Technical data

| | |
|---|---|
| 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 |
| ATEX conformity | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL certification | No |
| Interface | Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required) |

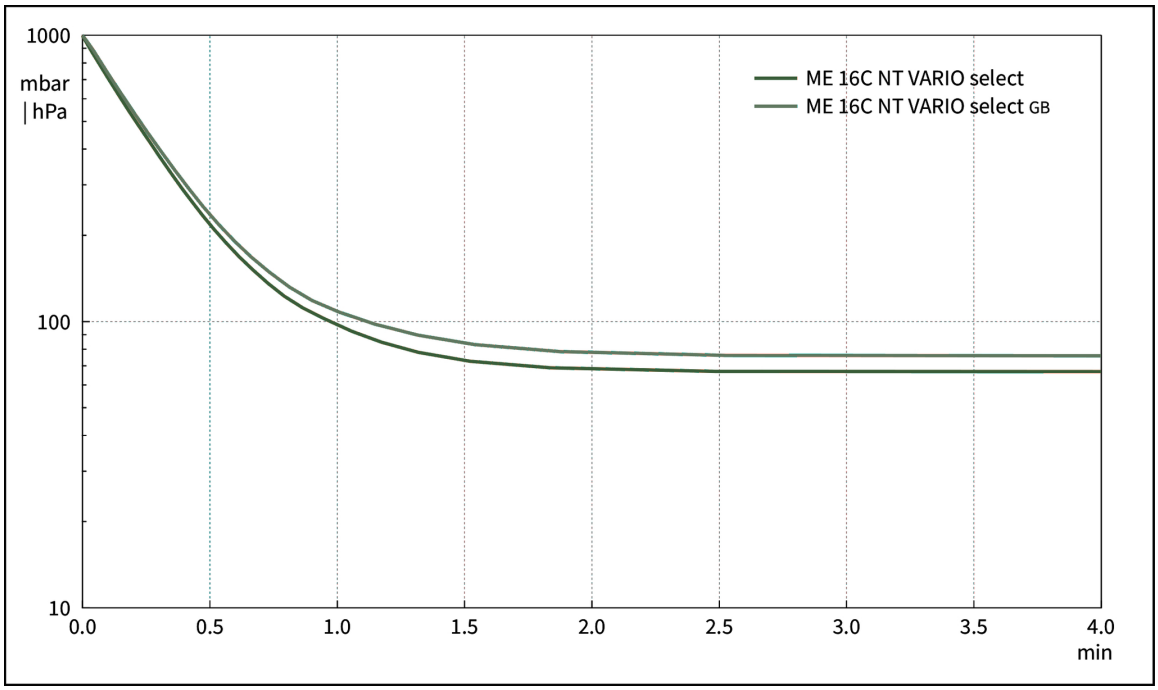
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## Pumping speed graph at 50 Hz




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

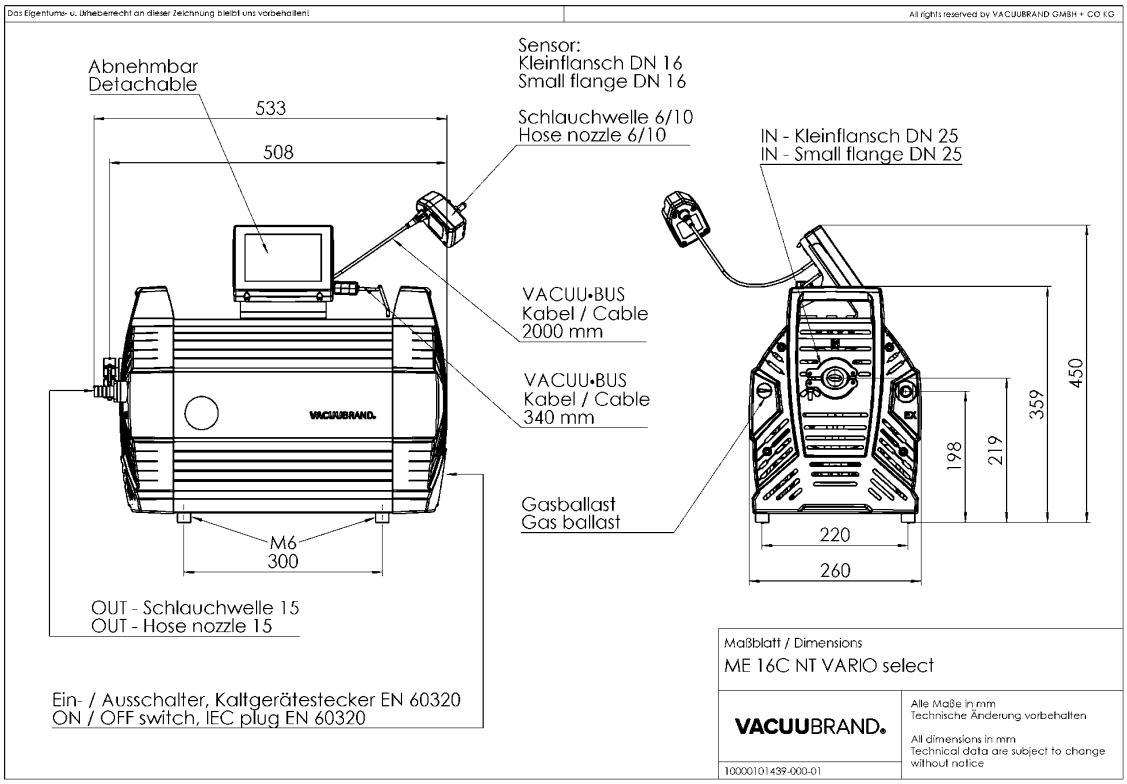



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## Dimension sheet







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VACUUBRAND

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