VACUUBRAND®

Diaphragm pump MV 10 NT



Link to the website

Product description

Four-stage diaphragm pumps are an excellent solution for continuous, oil-free pumping of gases when the need is to reach fractional millibar ultimate vacuums. All parts in contact with pumped vapors or gases are made of aluminum, stainless steel and carefully selected plastics suitable for a wide range of non-corrosive applications. These pumps provide the advantageous combination of high pumping speed with an extraordinary good ultimate vacuum down to 0.5 mbar. The highly flexible, fabric-reinforced double diaphragms made of FKM offer extended operating life. Eight-cylinder NT pumps features quiet operation, smooth and easy to clean surfaces.

Performance features

- contamination-free pumping and evacuation
- high performance even close to the excellent ultimate vacuum
- whisper quiet
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

Technical data are subject to change without notice
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Link to the website:
https://shop.vacuubrand.com/20744003

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
MV 10 NT	100-120 V | 50-60 Hz	US	20744003

Items supplied

Pump completely mounted, ready for use, silencer, with manual.

Accessories

- 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 MV 10 / MD 12 (20696827)

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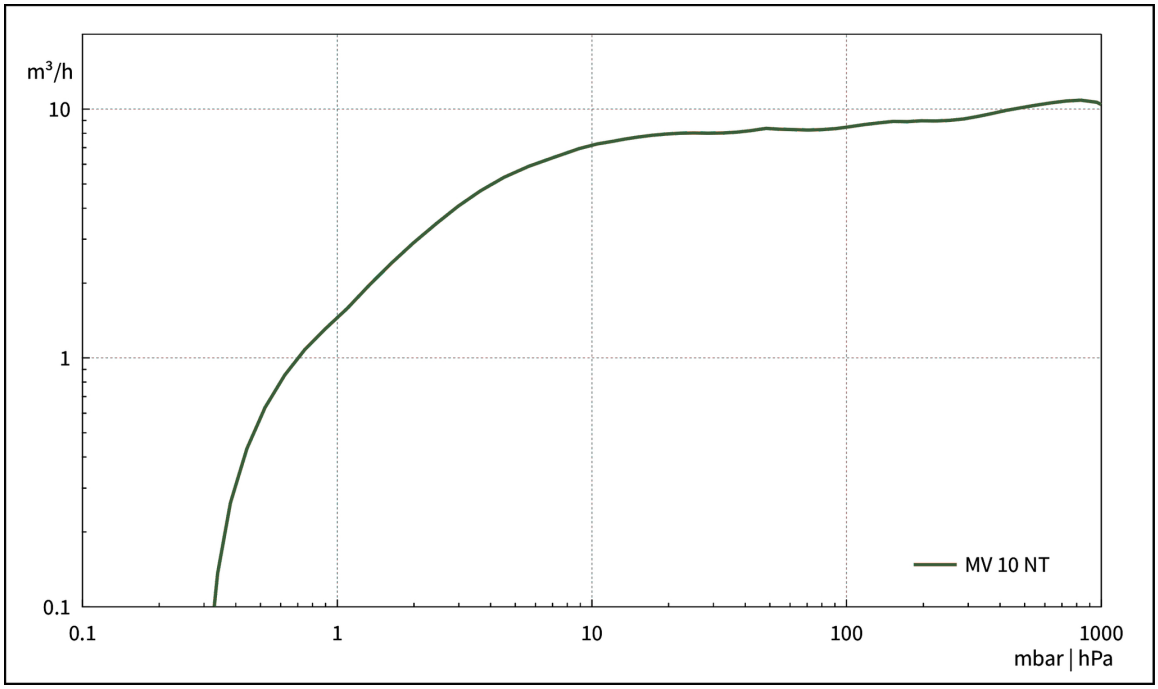
Technical data

Max. pumping speed 50 Hz (m^3/h)	10.4 m^3/h
Max. pumping speed 60 Hz (cfm)	6.1 cfm
Ultimate vacuum	0.5 mbar / 0.38 torr
Number of heads	8
Number of stages	4
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	G1/2"
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)	554 mm x 260 mm x 359 mm
Weight	30.3 kg
Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®)	50 dBA
NRTL certification	No

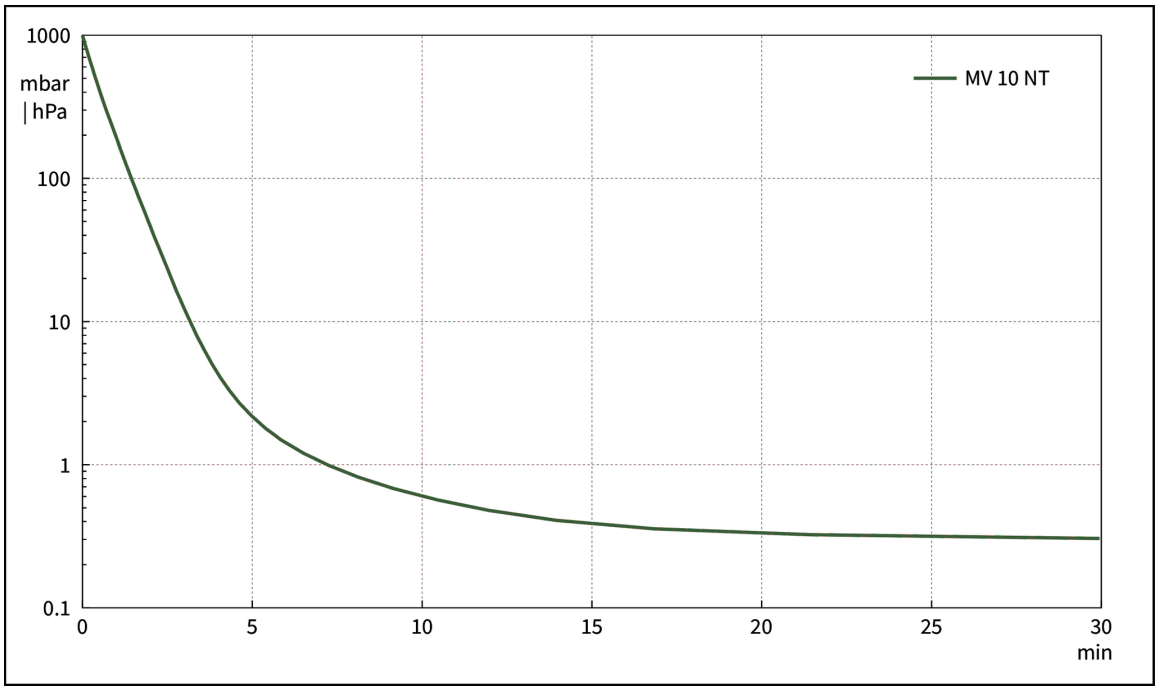
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Pumping speed graph at 50 Hz



Pump down graph at 50 Hz (100 l volume)

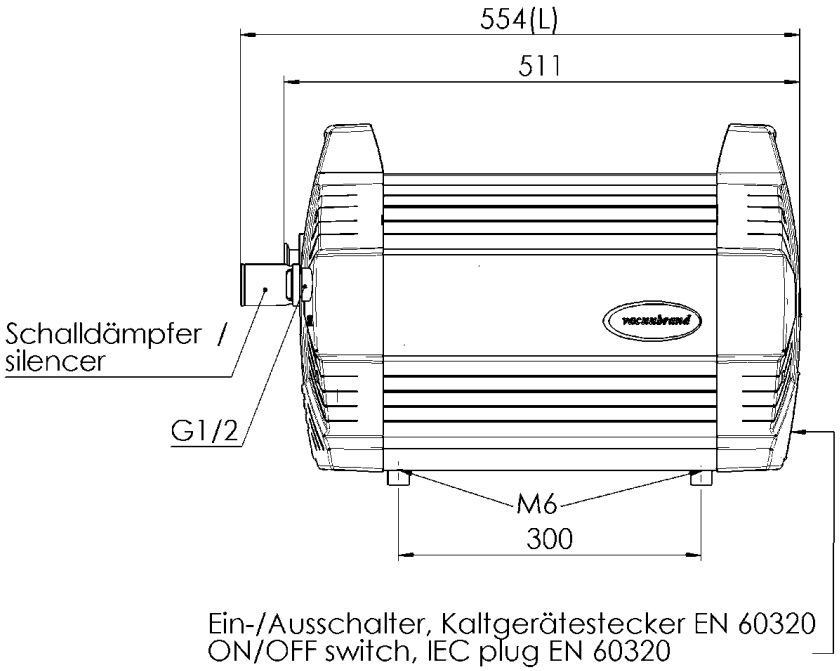


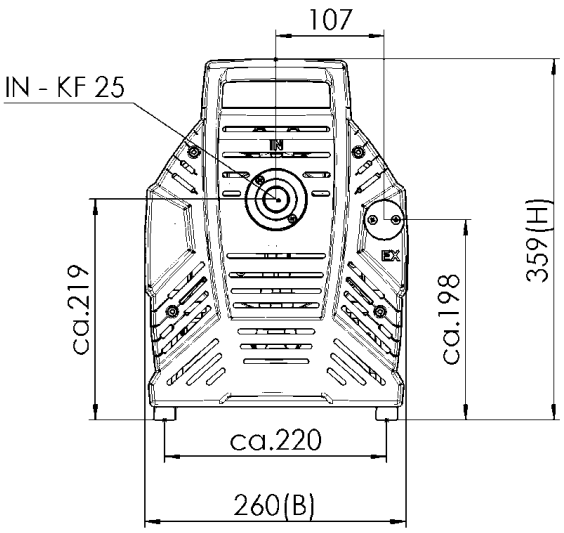
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Dimension sheet







Alle Maße / all dimensions (mm)

VACUUBRAND ME16 MD12 MV10 NT
Version 2014/06/18

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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:
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