

Chemistry vacuum system MD 4C NT +AK+EK Peltronic

[Link to the website](#)

Product description

This chemistry vacuum system has a wide range of applications like evacuation, evaporation and pumping of gases and vapors in chemical, biological and pharmaceutical laboratories. This system is ideal for high vacuum requirements with high boiling solvents. Typical applications are rotary evaporators and drying ovens. The separator at the inlet (AK), made of glass with a protective coating, retains particles and liquid droplets. The waste vapor condenser at the outlet (EK) is highly efficient and compact. The condenser enables near-100-percent solvent recovery, efficient recycling of solvents and active protection of the environment without any need for external coolant.

Performance features

- outstanding chemical resistance and superior vapor tolerance
- exceptionally high performance even at low vacuum
- excellent ultimate vacuum even with gas ballast
- whisper quiet and very low vibration
- excellent environmental friendliness due to efficient solvent recovery without external coolant

Ordering data

| Product name | Nominal mains voltage mains frequency | Plug type | Articleno. |
|---------------------------|---|-------------------|------------|
| MD 4C NT +AK+EK Peltronic | 230 V 50-60 Hz | IEC plug EN 60320 | 22613972 |

Items supplied

Pumping unit with included Peltronic emission condenser, with operating manual, without power cable.

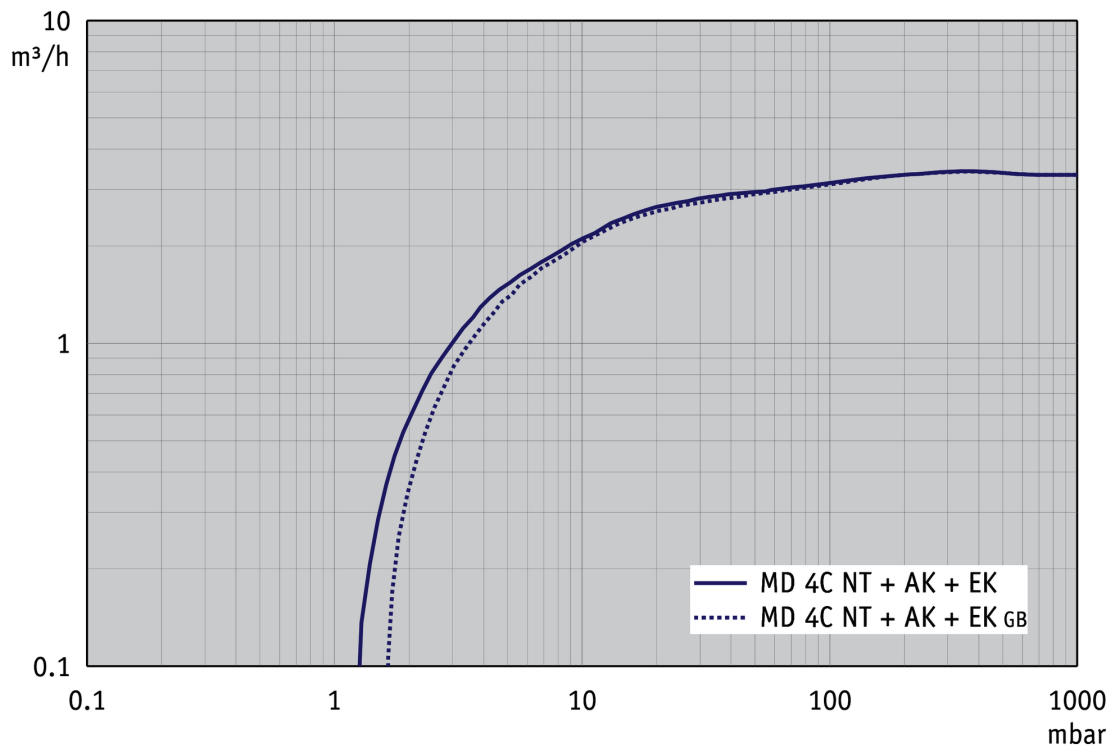
Accessories

- Silencer with hose 5cm DN 8-10mm (20636588)
- Adjustable elbow DN 10/8 mm (20637873)
- Vacuum tubing transparent DN 8 mm (20686061)
- Set of diaphragms and valves MD 4C NT/VARIO / PC 3003 / PC 3004 (20696870)
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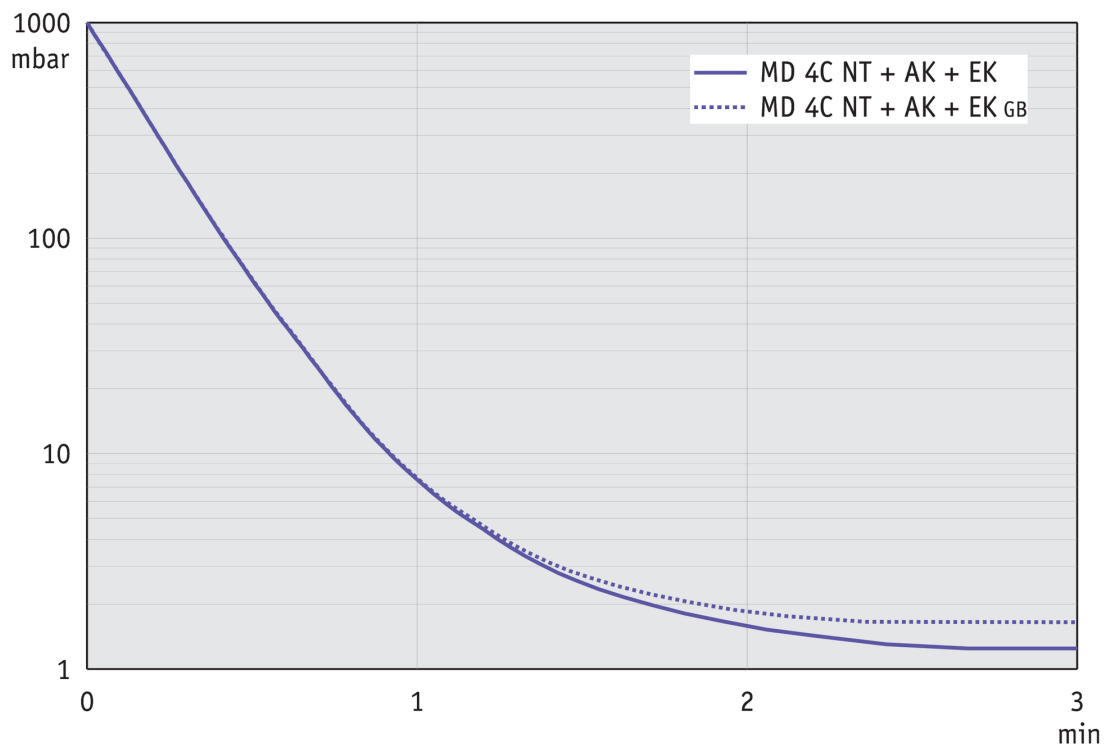
Technical data

| Max. pumping speed 50 Hz (mbar) | 3.4 m ³ /h |
|--|--|
| Max. pumping speed 60 Hz (cfm) | 2.2 cfm |
| Ultimate vacuum | 1.5 mbar / 1.1 torr |
| Ultimate vacuum with gas ballast | 3 mbar / 2.2 torr |
| Number of heads | 4 |
| Number of stages | 3 |
| 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 | Hose nozzle DN 8-10 mm |
| Outlet connection | Hose nozzle DN 8-10 mm |
| Rated motor power | 0.25 kW |
| Rated speed 50/60 Hz | 1500/1800 min ⁻¹ |
| Protection class IEC 60529 | IP 40 |
| Dimensions (L x W x H) | 360 mm x 326 mm x 392 mm |
| Weight | 21.3 kg |
| Noise (sound pressure level) in dBA at 50 Hz or 1500 rpm/62% (VARIO)/1500 rpm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 45 dBA |
| ATEX conformity | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL certification | No |

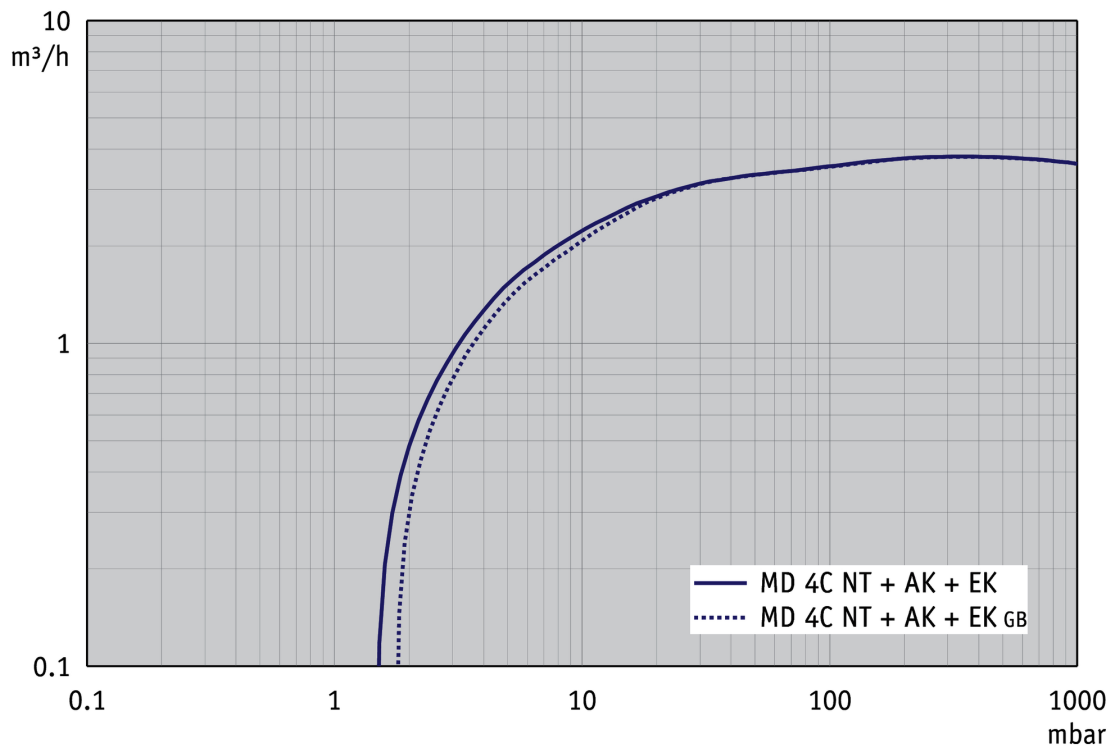
Pumping speed graph at 50 Hz



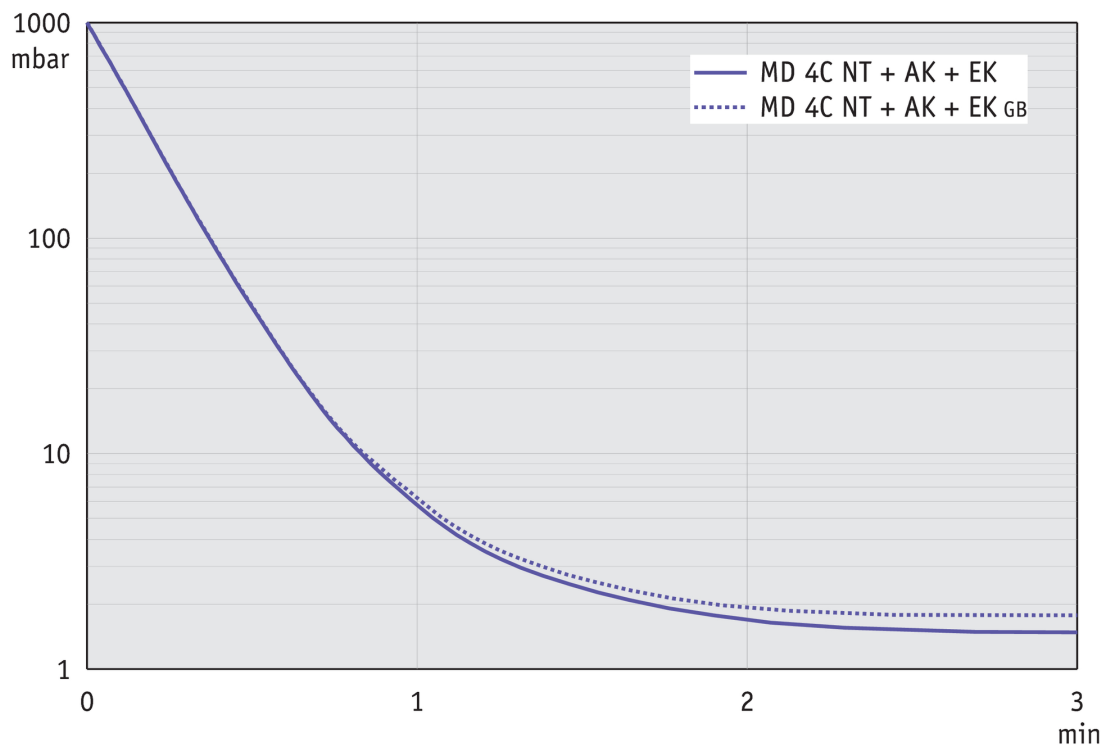
Pump down graph at 50 Hz (10 l volume)



Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)



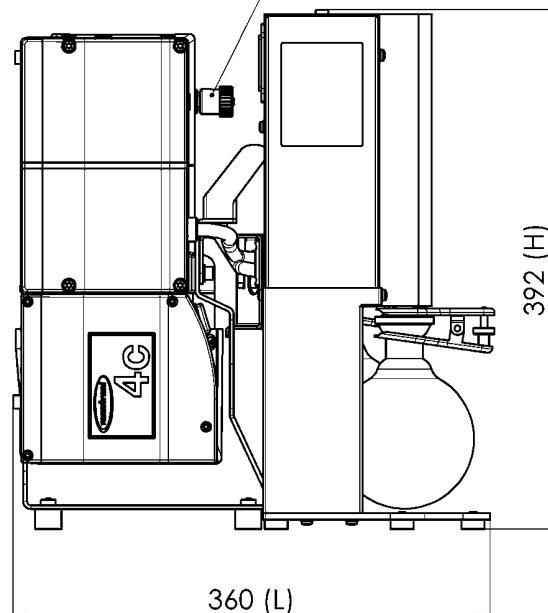
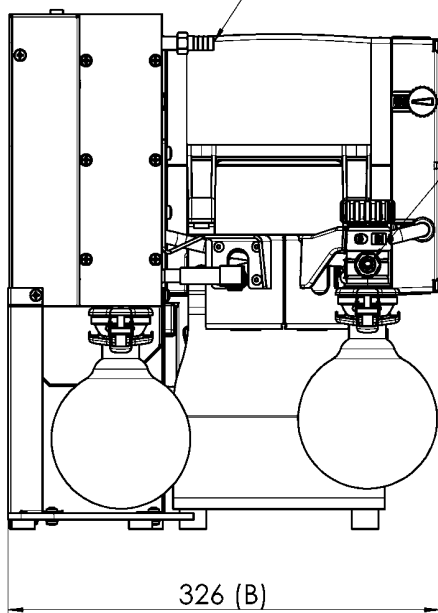
Dimension sheet



EX - Schlauchwelle 10 /
hose-nozzle 10

IN - Schlauchwelle 10
hose-nozzle 10

Gasballast



Alle Maße / all dimensions (mm)

VACUUBRAND MD 4C NT AK+EKP
Version 2011/02/03

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