VACUUBRAND®

# Chemistry vacuum system MZ 2C NT +AK+EK



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. Typical applications are rotary evaporators, vacuum concentrators and vacuum drying ovens. The separator at the inlet (AK), made of glass with 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, and active protection of the environment.

## Performance features

- outstanding chemical resistance and superior vapor tolerance
- high performance even at low vacuum levels
- optimized vacuum even with gas ballast for condensate purge
- whisper quiet and very low vibration
- excellent environmental friendliness due to efficient solvent recovery

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Link to the website:
https://shop.vacuubrand.com/20732603

## Ordering data

| Product name | Nominal mains voltage \| mains frequency | Plug type | Articleno. |
|---|---|---|---|
| MZ 2C NT +AK+EK | 100-115 V \| 50-60 Hz<br>120 V \| 60 Hz | US | 20732603 |

## Items supplied

Pumping unit completely mounted, ready for use, with manual.

## 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 MZ 2C NT / MZ 2C NT VARIO / PC 3002 (20696869)
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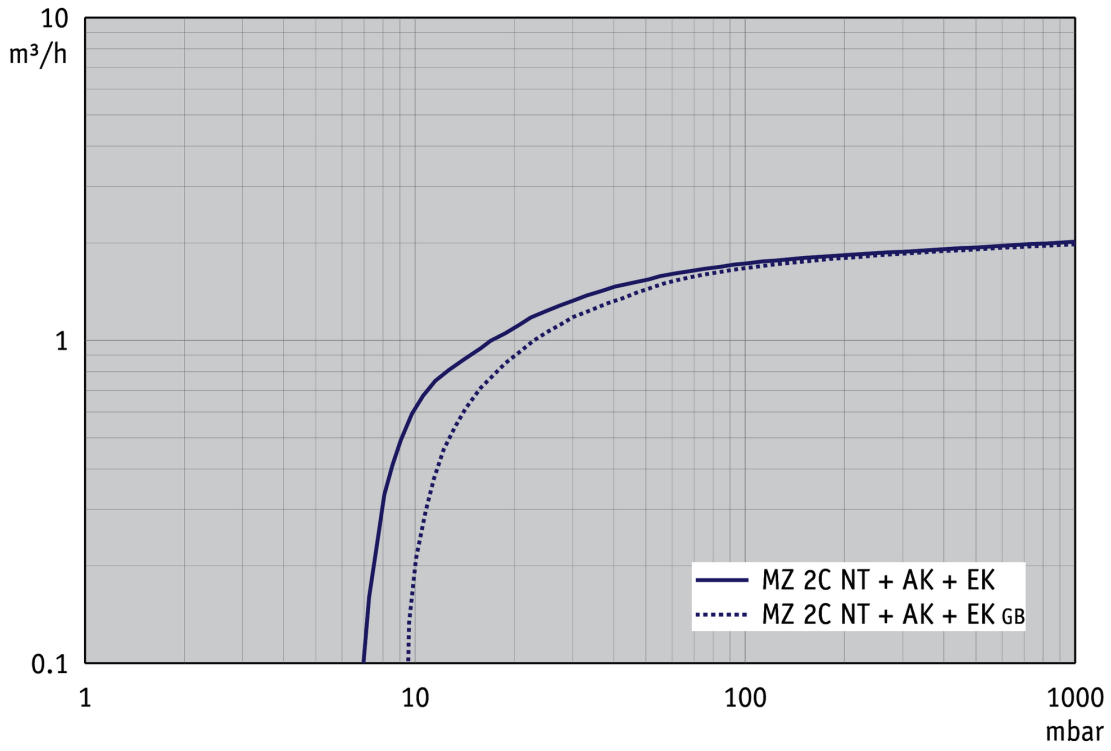
## Technical data

| | |
|---|---|
| Max. pumping speed 50 Hz ($m^3/h$) | 2 $m^3/h$ |
| Max. pumping speed 60 Hz (cfm) | 1.4 cfm |
| Ultimate vacuum | 7 mbar / 5 torr |
| Ultimate vacumm with gas ballast | 12 mbar / 9 torr |
| Number of heads | 2 |
| Number of stages | 2 |
| 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 |
| Coolant connection | 2 x hose nozzle DN 6-8 mm |
| Rated motor power | 0.18 kW |
| Rated speed 50/60 Hz | 1500/1800 $min^{-1}$ |
| Protection class IEC 60529 | IP 40 |
| Dimensions (L x W x H) | 326 mm x 243 mm x 402 mm |
| Weight | 14.2 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 |
| NRTL certification | Yes |

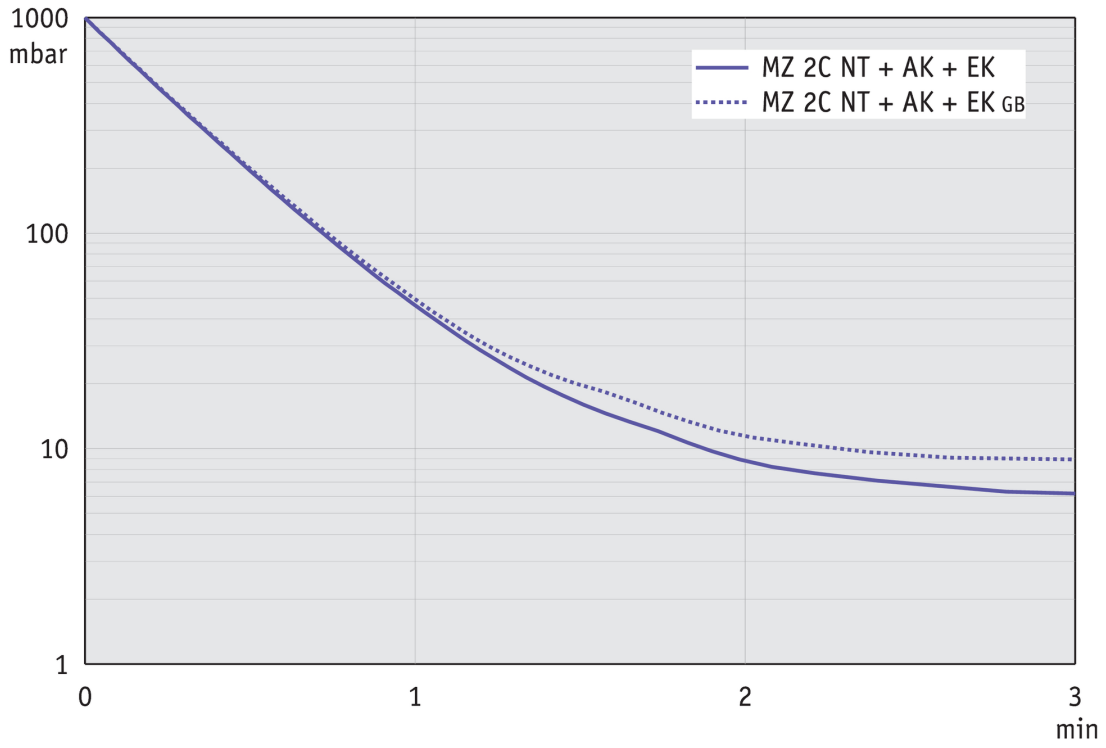
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## Pumping speed graph at 50 Hz




## Pump down graph at 50 Hz (10 l volume)

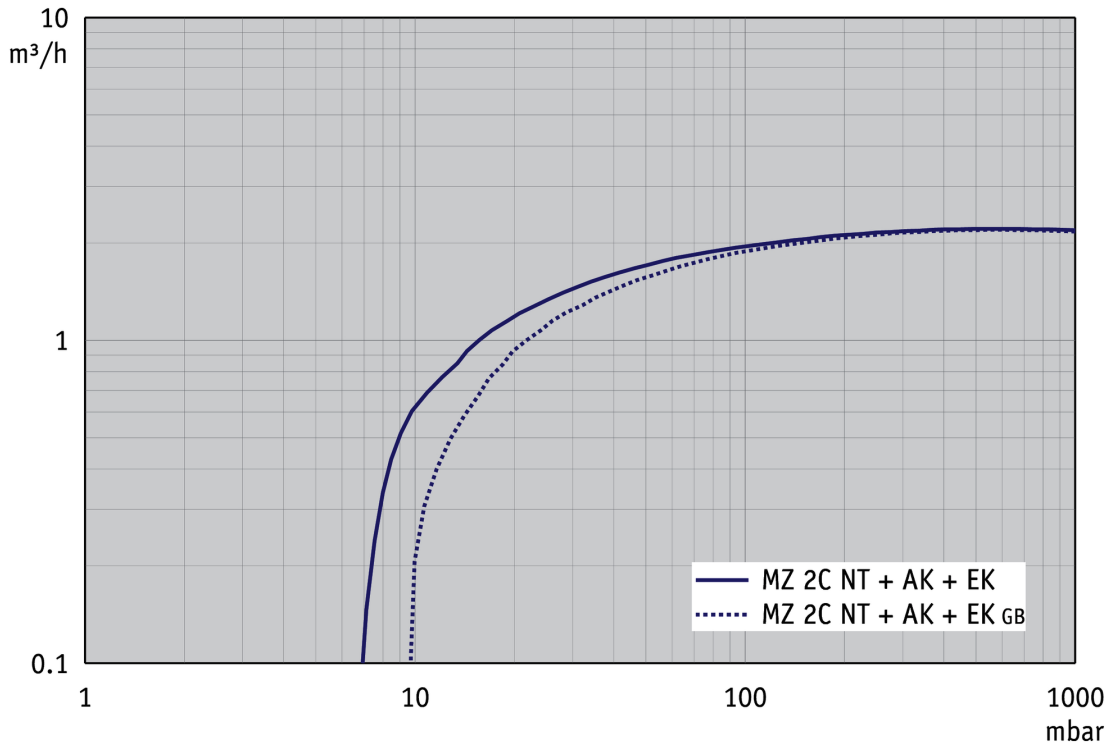




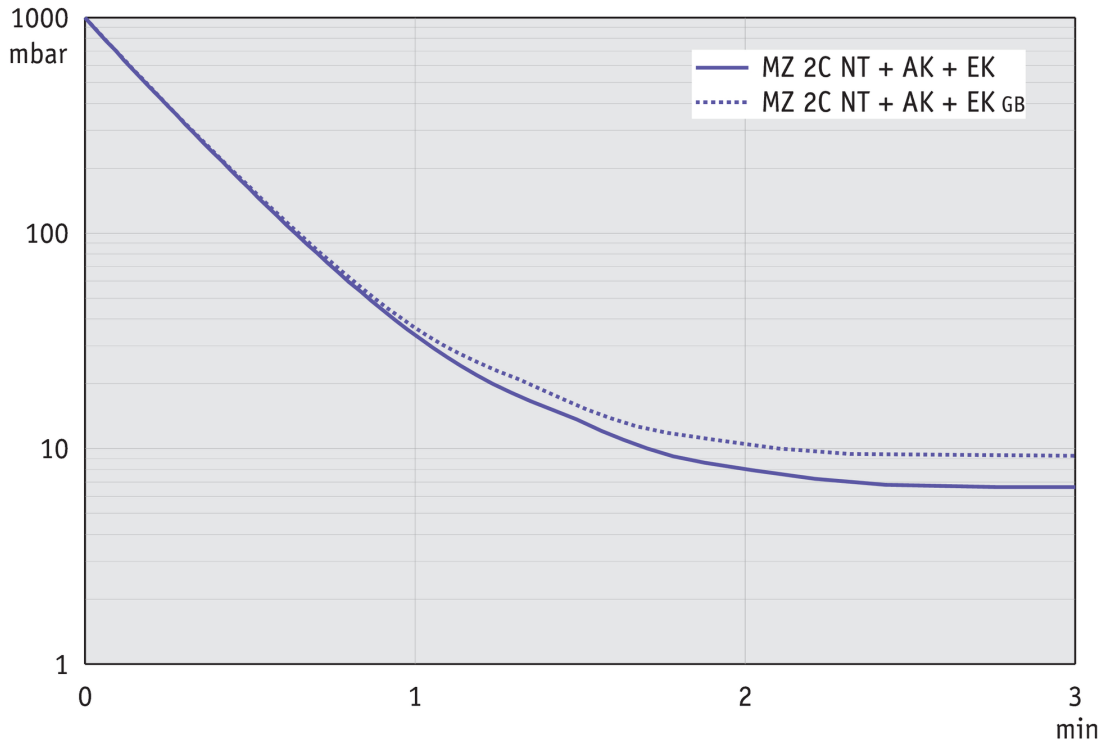
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## Pumping speed graph at 60 Hz




## Pump down graph at 60 Hz (10 l volume)

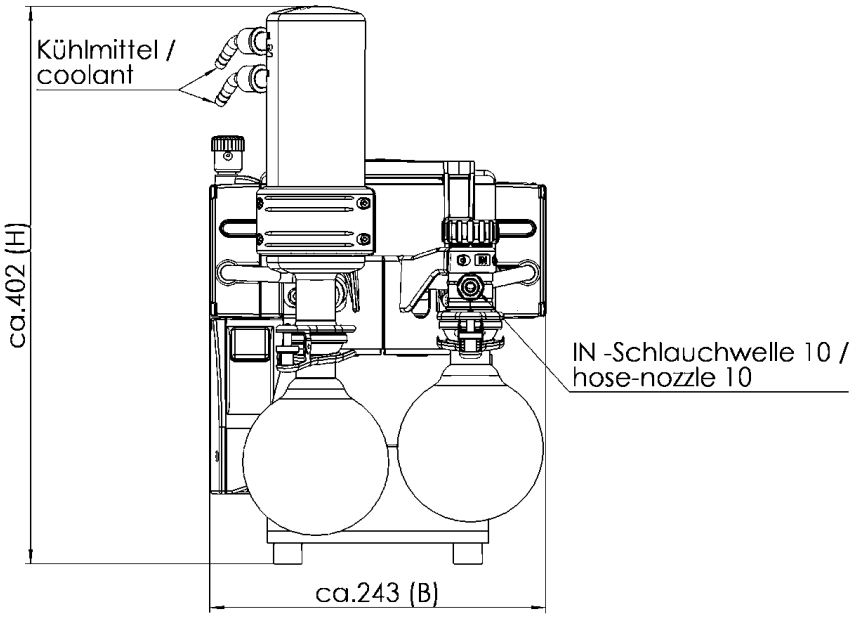



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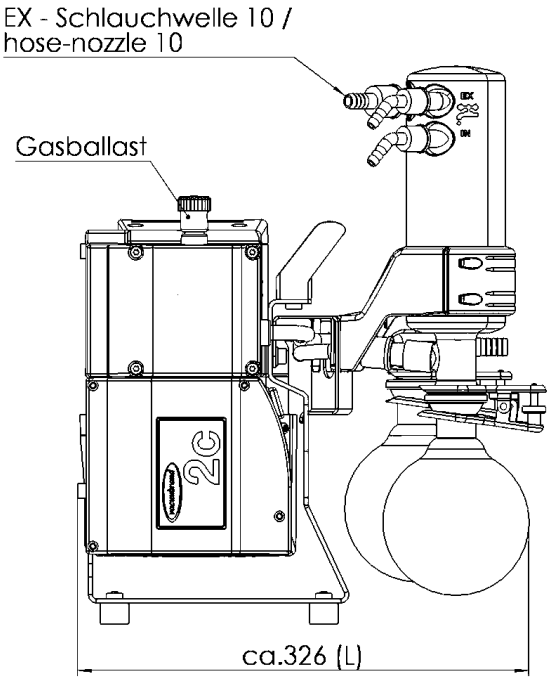
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## Dimension sheet






Alle Maße / all dimensions (mm)
Gewicht / weight: 14,2 kg




VACUUBRAND MZ 2C NT AK+EK
Version 2009/03/23

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VACUUBRAND

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