VACUUBRAND®

Chemistry diaphragm pump MZ 1C



Link to the website

Product description

Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. The two-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE-sandwich diaphragms increase reliability and extend operating life. The MZ 1C pump is equipped with a gas ballast valve for continuous condensate purge increasing the pumping capability of condensable vapors. It features slim design for space-saving installation and good vacuum performance. A manual vacuum regulator valve with dial gauge for adjustment of pumping speed and ultimate vacuum is available as accessory.

Performance features

- outstanding chemical resistance and superior vapor tolerance
- convenient, quick and simple to use due to the top mounted power switch
- optimized vacuum even with gas ballast for continuous purge
- whisper quiet and very low vibration
- maintenance-free drive system and proven long diaphragm life

Technical data are subject to change without notice
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Link to the website:
https://shop.vacuubrand.com/20724106

Ordering data

Product name	Nominal mains voltage | mains frequency	Plug type	Articleno.
MZ 1C	220-230 V | 50-60 Hz	CN	20724106

Items supplied

Pump completely mounted, ready for use, with manual.

Accessories

- Set of diaphragms and valves MZ 1C (20696876)
- Silencer with hose 5cm DN 8-10mm (20636588)
- Vacuum tubing transparent DN 8 mm (20686061)

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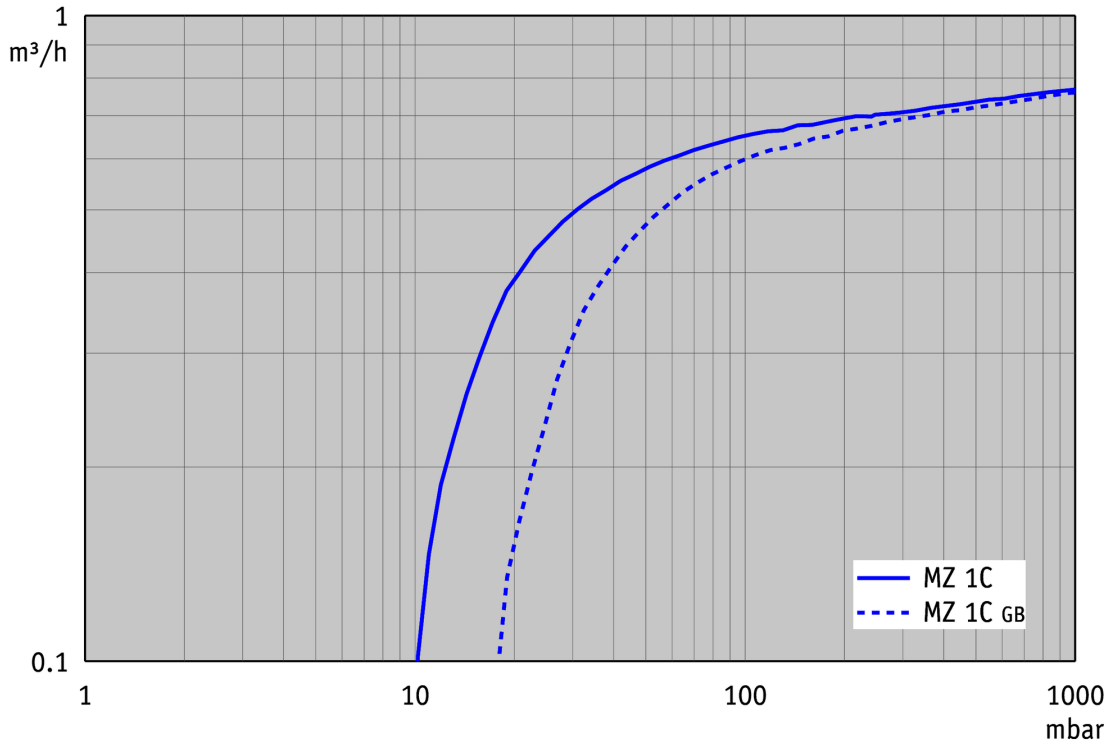
Technical data

Max. pumping speed 50 Hz (m^3/h)	0.75 m^3/h
Max. pumping speed 60 Hz (cfm)	0.5 cfm
Ultimate vacuum	12 mbar / 9 torr
Ultimate vacumm with gas ballast	20 mbar / 15 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
Rated motor power	0.06 kW
Rated speed 50/60 Hz	1500/1800 min^{-1}
Protection class IEC 60529	IP 40
Dimensions (L x W x H)	312 mm x 121 mm x 170 mm
Weight	6.7 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	Yes

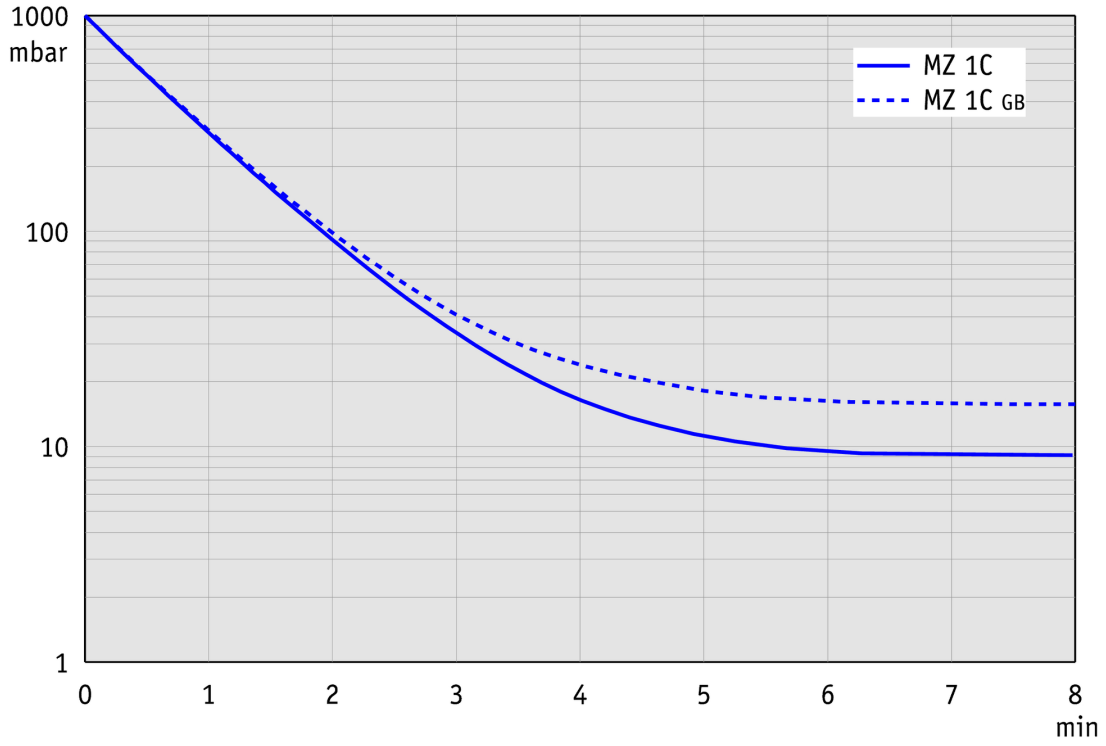
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Pumping speed graph at 50 Hz



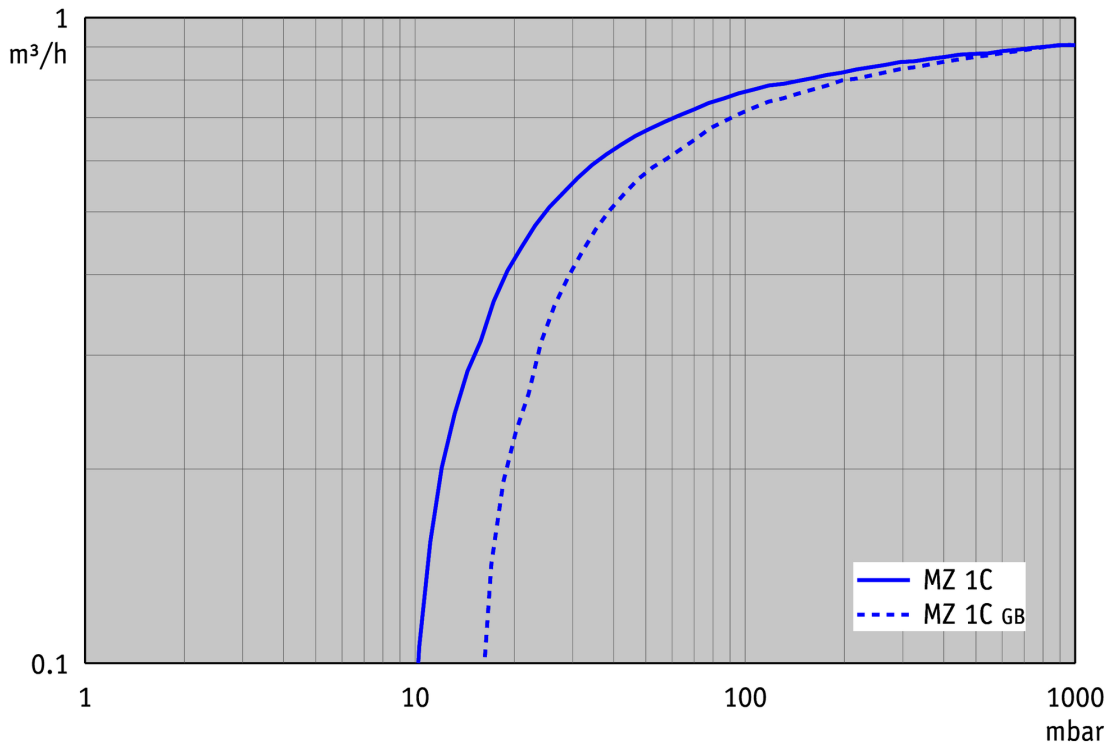
Pump down graph at 50 Hz (10 l volume)



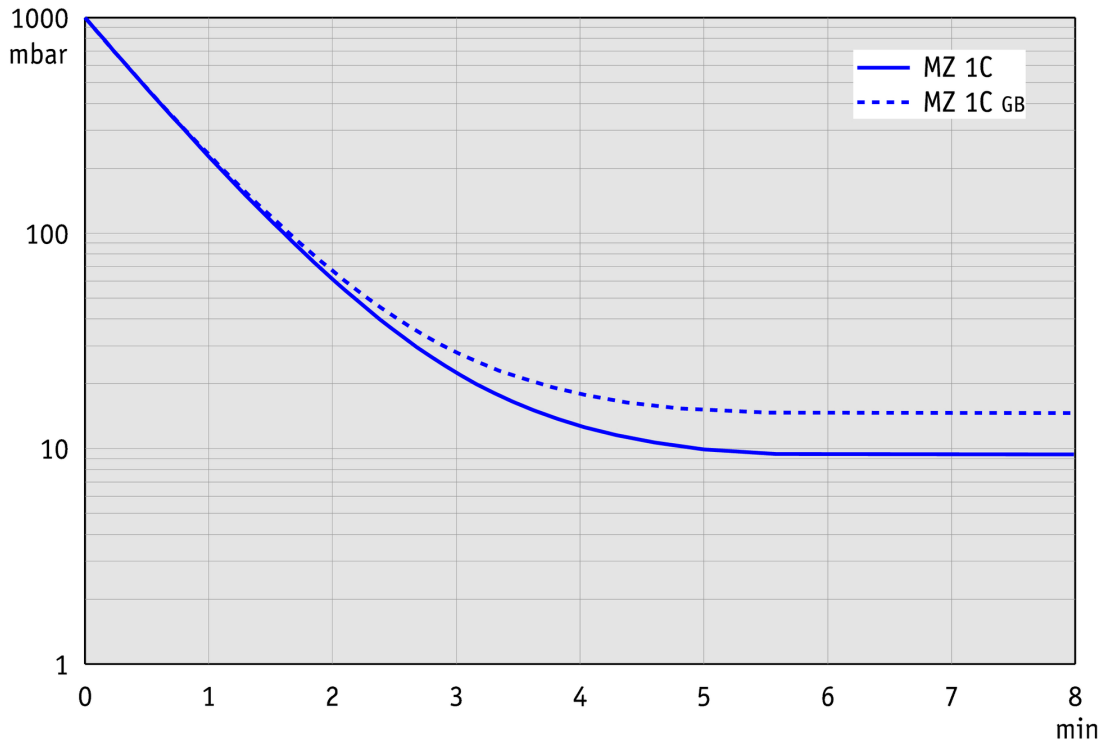
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Pumping speed graph at 60 Hz



Pump down graph at 60 Hz (10 l volume)

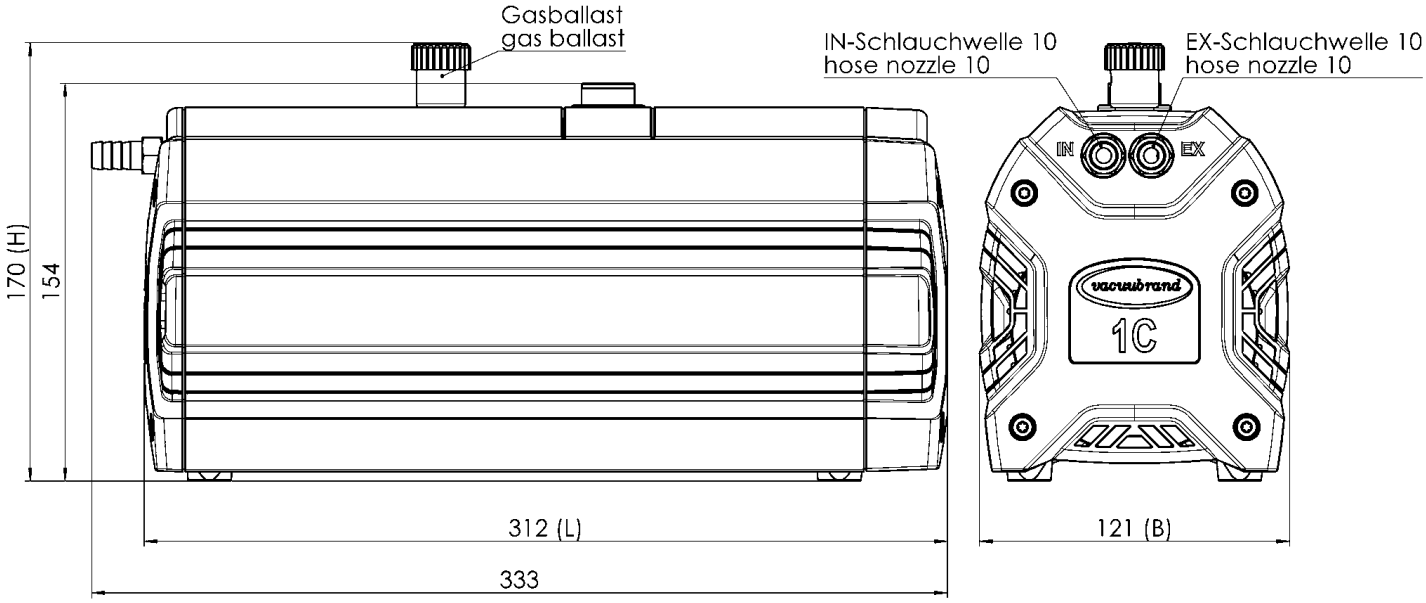


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Dimension sheet





Gewicht / weight 230V : 6,7 kg
Alle Maße / all dimensions (mm)

VACUUBRAND MZ 1C
Version 2011/03/08

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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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Together with you, our experts will find the best solution for your application and provide you with first-class service along the way.

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