

Chemistry diaphragm pump

MZ 2C NT

■ 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 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 2C NT pump is equipped with a gas ballast valve for continuous condensate purge increasing the pumping capability of condensable vapors. This pump is our most popular chemistry diaphragm pump, and is the heart of a family of VACUUBRAND pumping systems. The new NT-series features further improved performance data and superior vapor tolerance.

PERFORMANCE FEATURES

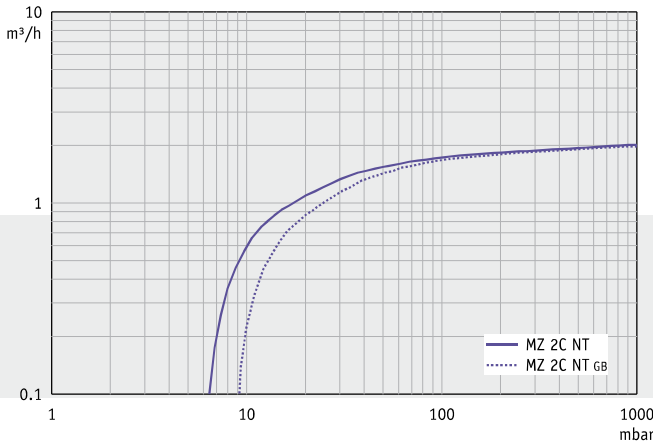
- outstanding chemical resistance and superior vapor tolerance
- high performance even at low vacuum levels
- optimized vacuum even with gas ballast for condensate purge
- whisper quiet and low vibration
- long diaphragm life, maintenance-free drive system



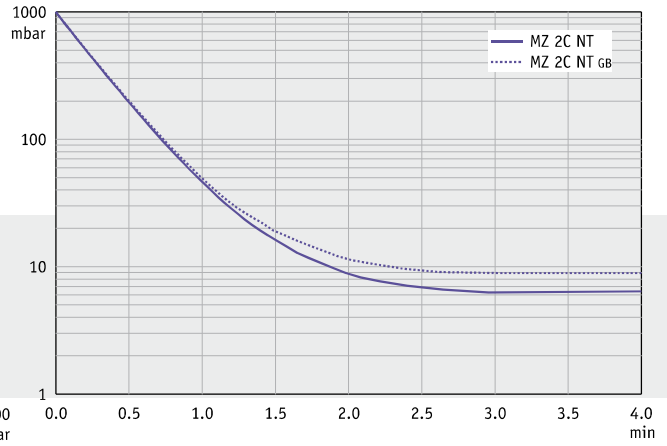
MZ 2C NT
2.0 m³/h
7 mbar

APPLICATIONS

Two-stage chemistry-design diaphragm pumps are an excellent choice for applications with corrosive gases and vapors with medium vacuum requirements. They do not consume water and therefore do not produce any contaminated waste water. The media contacted materials made of chemically resistant fluoroplastics open a wide range of applications in chemistry and pharmaceuticals. The robust design provides very good durability and long service intervals even in demanding chemistry applications. Typical usages are vacuum generation for rotary evaporators, vacuum concentrators, gel dryers, vacuum ovens and many other laboratory applications. The MZ 2C NT is the powerful basic pump for a complete family of well established and reliable chemistry vacuum systems and pumping units.



Pumping speed graph at 50 Hz with/without gas ballast



Pump down graph at 50 Hz with/without gas ballast (10 l volume)

Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

TECHNICAL DATA

		MZ 2C NT
Number of heads / stages		2 / 2
Max. pumping speed 50/60 Hz	m ³ /h	2.0 / 2.3
Ultimate vacuum (abs.)	mbar	7
Ultim. vac. (abs.) with gas ballast	mbar	12
Max. back pressure (abs.)	bar	1.1
Inlet connection		Hose nozzle DN 8-10 mm
Outlet connection		Hose nozzle DN 8-10 mm
Rated motor power	kW	0.18
Degree of protection		IP 40
Dimensions (L x W x H), approx.	mm	243 x 243 x 198
Weight, approx.	kg	11.1

ORDERING INFORMATION

230 V 50-60 Hz	CEE	Ex	732300
230 V 50-60 Hz	CH, CN	Ex	732301
230 V 50-60 Hz	UK	Ex	732302
100-115 V 50-60 Hz / 120 V 60 Hz			
200-230 V 50-60 Hz Inlet: Small flange KF DN 16	IEC plug EN 60320	Ex	732345
100-115 V 50-60 Hz / 120 V 60 Hz	US		732303

With NRTL certification for Canada and the USA

Ex : ATEX: II 3G IIC T3 X, Internal Atm. only

Please order power cable separately

▶ pg. 185

ACCESSORIES

Rubber vacuum tubing DN 8 mm (686001)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual, 732345 with clamping ring and sealing ring KF DN 16.