

CHEMISTRY DIAPHRAGM PUMP

MD 4C NT

- Three-stage chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors and meet many difficult requirements. The three-stage construction provides the advantageous combination of high pumping speed and very low ultimate vacuum. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms provide increased reliability and extended operating life. The MD 4C NT with gas ballast valve is optimally prepared for pumping condensable vapors due to the very good ultimate vacuum (even with gas ballast) as well as for high boiling solvents. The new NT-series features further improve performance data and superior vapor tolerance.

MD 4C NT
3.4 m³/h
1.5 mbar

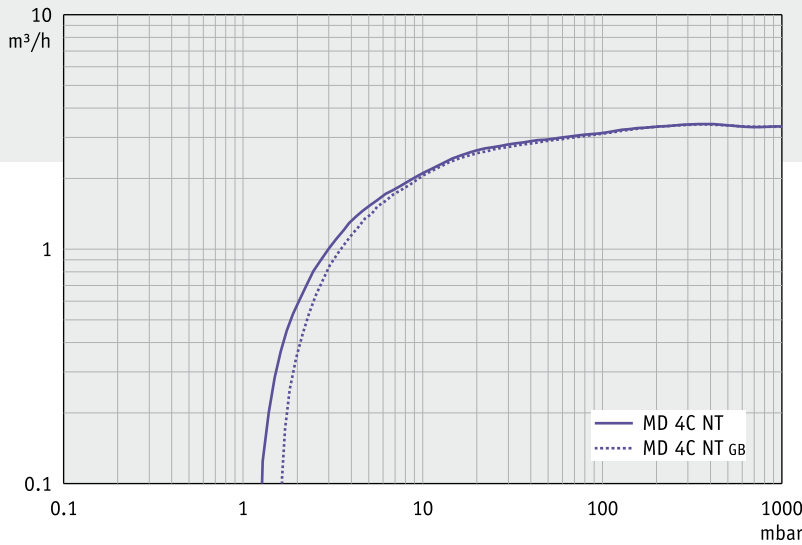


PERFORMANCE FEATURES

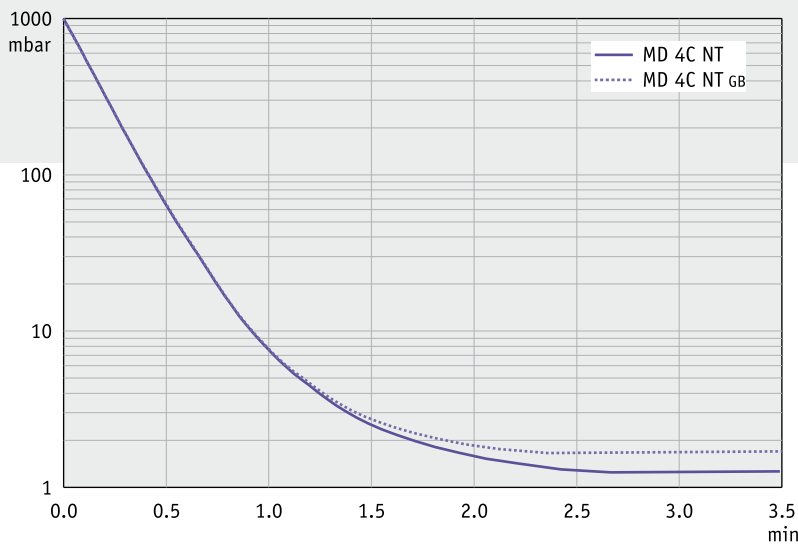
- outstanding chemical resistance and superior vapor tolerance
- exceptionally high performance even at low vacuum
- excellent ultimate vacuum even with gas ballast
- whisper quiet and very low vibration
- long diaphragm life, maintenance-free drive system

APPLICATIONS

Three-stage chemistry-design diaphragm pumps are an excellent choice for applications with corrosive gases and vapors with high vacuum requirements. Typical applications are rotary evaporators, drying ovens and many other laboratory applications. The MD 4C NT has an outstanding performance for pumping large amounts of vapor out of drying ovens and gel dryers. This powerful pump is at the heart of a complete family of well-proven and reliable vacuum systems and pumping units for larger lab applications.



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		MD 4C NT
Number of heads / stages		4 / 3
Max. pumping speed at 50/60 Hz	m ³ /h	3.4/3.8
Ultimate vacuum (abs.)	mbar	1.5
Ultim. vac. (abs.) with gas ballast	mbar	3
Max. back pressure (EX) (abs.)	bar	1.1
Inlet connection (IN)		Hose nozzle DN 10 mm
Outlet connection (EX)		Hose nozzle DN 10 mm
Rated motor power	kW	0.25
Degree of protection		IP 40
Dimensions (L x W x H)	mm	325 x 242 x 198
Weight	kg	14.3

ORDERING INFORMATION		MD 4C NT
230 V ~ 50-60 Hz	CEE	736400
230 V ~ 50-60 Hz	CH	736401
230 V ~ 50-60 Hz	UK	736402
100-120 V ~ 50-60 Hz	US	736403

ACCESSORIES

Rubber vacuum tubing DN 10 mm (686002)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual



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