

## DIAPHRAGM PUMP

### ME 2 NT AND ME 4 NT

■ Diaphragm pumps are an excellent solution for continuous, oil-free evacuation and pumping of gases. All parts in contact with pumped media are made of aluminum and selected plastics, allowing a wide range of applications for non-corrosive gases. The one-stage construction provides the advantageous combination of high pumping speed and an ultimate vacuum down to 70 mbar. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life. The new NT-series features further improved performance data.

#### PERFORMANCE FEATURES

- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- ME 4 NT with low vibration and higher pumping speed
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs



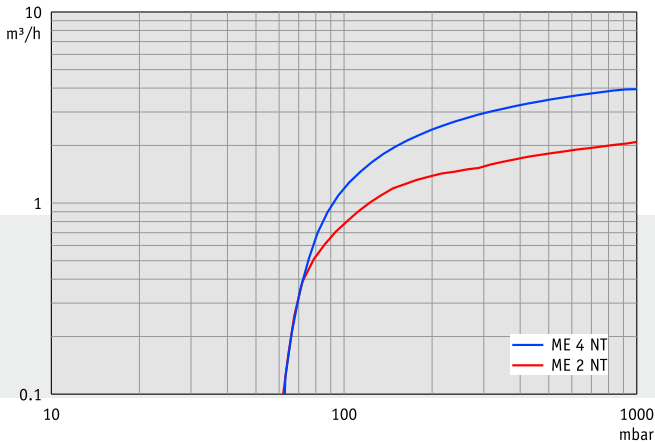
**ME 4 NT**  
4.0 m<sup>3</sup>/h  
70 mbar



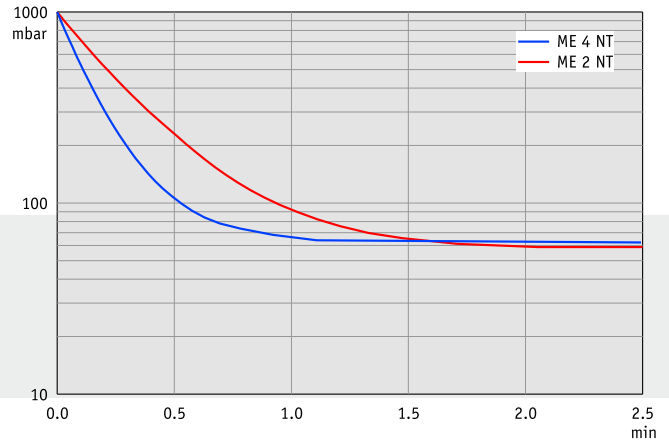
**ME 2 NT**  
2.0 m<sup>3</sup>/h  
70 mbar

#### APPLICATIONS

One-stage diaphragm pumps are an excellent choice for continuous, oil-free pumping at modest vacuum requirements. In contrast to water jet pumps, they do not consume water and therefore do not produce any contaminated waste water. Typical applications are vacuum ovens, aqueous filtrations and pumping and evacuation of non-aggressive gases in general. The ME 4 NT offers shorter evacuation times and higher gas throughput.



Pumping speed graph at 50 Hz


 Pump down graph at 50 Hz  
(10 l volume)

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

**TECHNICAL DATA**

		<b>ME 2 NT</b>	<b>ME 4 NT</b>
Number of heads / stages		1 / 1	2 / 1
Max. pumping speed 50/60 Hz	m <sup>3</sup> /h	2.0 / 2.2	4.0 / 4.4
Ultimate vacuum (abs.)	mbar	70	70
Max. back pressure at outlet (abs.)	bar	2	2
Inlet connection		Hose nozzle DN 8-10 mm	Hose nozzle DN 8-10 mm
Outlet connection		Silencer / G1/4"	2 x silencer / G1/4"
Rated motor power	kW	0.18	0.18
Degree of protection		IP 40	IP 40
Dimensions (L x W x H), approx.	mm	243 x 211 x 198	243 x 239 x 198
Weight, approx.	kg	10.2	11.0

**ORDERING INFORMATION ME 2 NT**

230 V ~ 50-60 Hz	CEE	Ex*	730000
230 V ~ 50-60 Hz	UK	Ex*	730002
100-115 V ~ 50-60 Hz /			
120 V ~ 60 Hz	US		730003

With NRTL certification for Canada and the USA

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

**ORDERING INFORMATION ME 4 NT**

230 V ~ 50-60 Hz	CEE	Ex*	731000
230 V ~ 50-60 Hz	CH, CN	Ex*	731001
230 V ~ 50-60 Hz	UK	Ex*	731002
100-115 V ~ 50-60 Hz /			
120 V ~ 60 Hz	US		731003
100-115 V ~ 50-60 Hz / 120 V ~ 60 Hz		Ex*	
200-230 V ~ 50-60 Hz	IEC plug EN 60320		731005**

With NRTL certification for Canada and the USA

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

\*\*Please order power cable separately

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**ACCESSORIES**

Vacuum regulator valve with manometer (696840)

VACUU-LAN® Mini-Network (2614455)

Rubber vacuum tubing DN 8 mm (686001)

**ITEMS SUPPLIED**

Pump completely mounted, ready for use, with manual.