

## DIAPHRAGM PUMP

### ME 2 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 FPM is ideal for extended operating life. The new NT-series features further improved performance data.

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



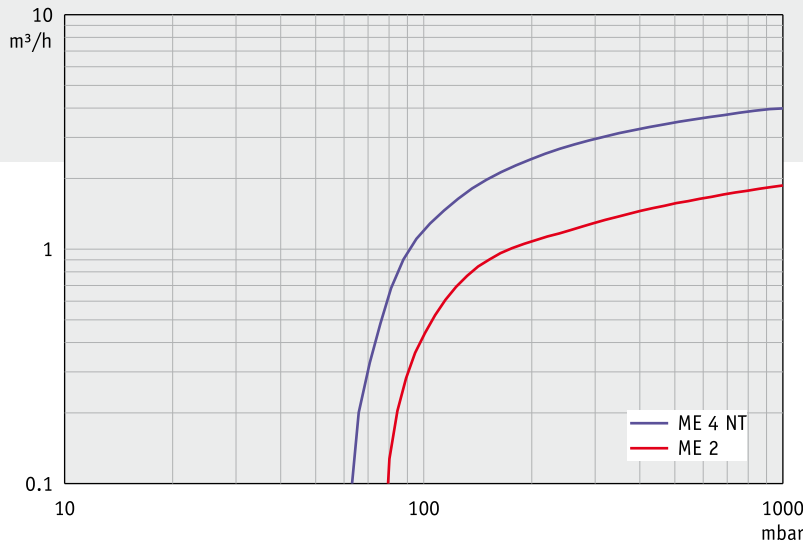
**ME 2**  
1.9 m<sup>3</sup>/h  
80 mbar

#### PERFORMANCE FEATURES

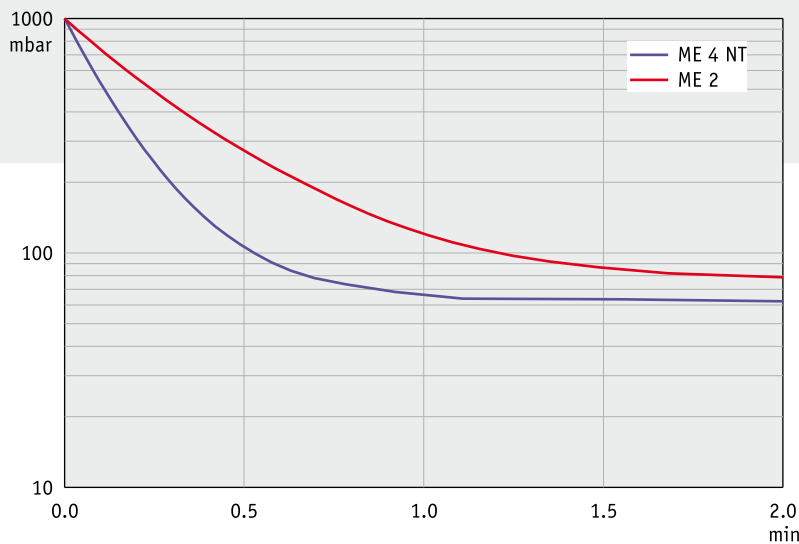
- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- ME 4 NT with low vibration and higher pumping speed
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

#### APPLICATIONS

One-stage diaphragm pumps are an excellent choice for continuous, oil-free pumping at low 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"

<b>TECHNICAL DATA</b>		<b>ME 2 (CEE Version)</b>	<b>ME 4 NT</b>	<b>ORDERING INFORMATION</b>		
Number of heads / stages		1 / 1	2 / 1	230 V ~ 50-60 Hz	CEE	696120
Max. pumping speed at 50/60 Hz	m <sup>3</sup> /h	1.9/2.2	4.0/4.4	100-120/200-230 V ~ 50-60 Hz	UK	696126
Ultimate vacuum (abs.)	mbar	80	70	100-120/200-230 V ~ 50-60 Hz	US	696123
Max. back pressure at outlet (abs.)	bar	2	2	<b>ORDERING INFORMATION</b>		
Inlet connection (IN)		Hose nozzle DN 10 mm	Hose nozzle DN 10 mm	<b>ME 4 NT</b>		
Outlet connection (EX)		Silencer / G1/4"	Silencer / G1/4"	230 V ~ 50-60 Hz	CEE	731000
Rated motor power	kW	0.12	0.18	230 V ~ 50-60 Hz	CH	731001
Degree of protection		IP 54	IP 40	230 V ~ 50-60 Hz	UK	731002
Dimensions (L x W x H)	mm	275 x 164 x 188	243 x 239 x 198	100-120 V ~ 50-60 Hz	US	731003
Weight	kg	6.8	11.0			

**ACCESSORIES FOR THESE PRODUCTS**

Rubber vacuum tubing DN 10 mm (686002)

**ITEMS SUPPLIED**

Pump completely mounted, ready for use, with manual