

DIAPHRAGM PUMP

ME 8 NT AND ME 16 NT

■ Diaphragm pumps are an excellent solution for continuous, oil-free evacuation and pumping of gases. The one-stage design provides the advantageous combination of high pumping speed and low ultimate vacuum down to 70 mbar. 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 highly flexible, fabric-reinforced double diaphragms made of FKM are ideal for extended operating life. These pumps are particularly powerful and offer large volume flow. The eight-cylinder pump ME 16 NT features exceptionally high pumping speed, low vibration and a very compact design with smooth and easy-to-clean surfaces.

PERFORMANCE FEATURES

- contamination-free pumping and evacuation
- high flow rate even near ultimate vacuum
- whisper quiet
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs



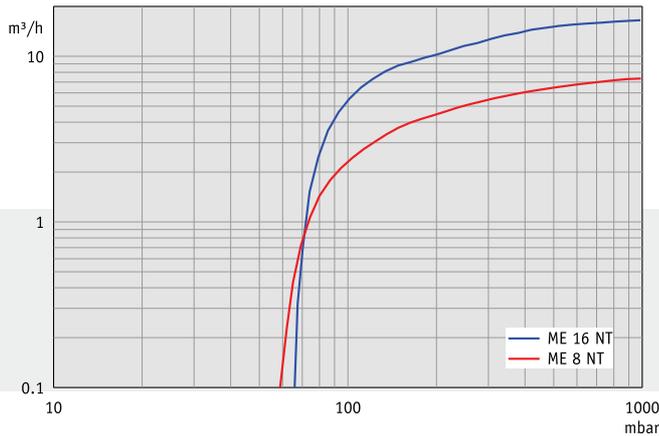
ME 16 NT
16.4 m³/h
70 mbar



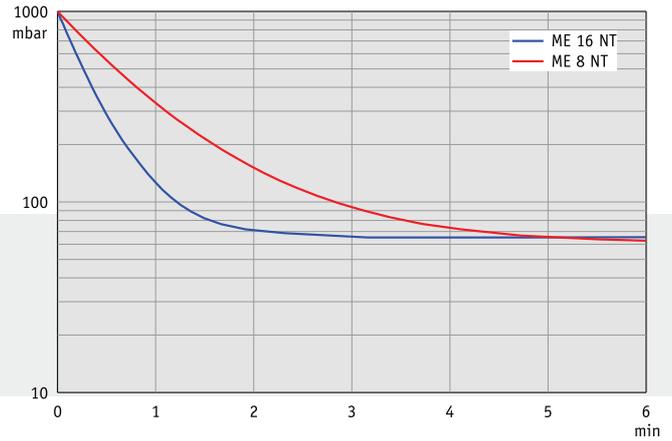
ME 8 NT
7.3 m³/h
70 mbar

APPLICATIONS

Large one-stage diaphragm pumps are an excellent choice for continuous, oil-free pumping of large amounts of gases. Typical applications are vacuum ovens and in general evacuation and pumping of non-corrosive gases. We recommend these pumps especially for processes with high inlet and process pressures. They are also excellent for very fast evacuations down to modest vacuum levels.



Pumping speed graph at 50 Hz


 Pump down graph at 50 Hz
(100 l volume)

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

TECHNICAL DATA

		ME 8 NT	ME 16 NT
Number of heads / stages		4 / 1	8 / 1
Max. pumping speed 50/60 Hz	m ³ /h	7.3 / 8.1	16.4 / 18.4
Ultimate vacuum (abs.)	mbar	70	70
Max. back pressure at outlet (abs.)	bar	2	1.1
Inlet connection		Hose nozzle DN 8-10 mm	Small flange KF DN 25
Outlet connection		2 x silencer / G1/4"	Silencer / G1/2"
Rated motor power	kW	0.25	0.44
Degree of protection		IP 40	IP 40
Dimensions (L x W x H), approx.	mm	325 x 239 x 198	554 x 260 x 359
Weight, approx.	kg	16.4	30.6

ORDERING INFORMATION ME 8 NT

230 V ~ 50-60 Hz	CEE	Ex*	734000
230 V ~ 50-60 Hz	UK	Ex*	734002
230 V ~ 50-60 Hz	CH, CN	Ex*	734001
120 V ~ 60 Hz	US		734003
100 V ~ 50-60 Hz	US		734006

With NRTL certification for Canada and the USA

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

ACCESSORIES ME 8 NT

Rubber vacuum tubing DN 8 mm (686001)

ORDERING INFORMATION ME 16 NT

230 V ~ 50-60 Hz	CEE	Ex*	741000
230 V ~ 50-60 Hz	UK	Ex*	741002
100-115 V ~ 50-60 Hz /			
120 V ~ 60 Hz	US		741003

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

ACCESSORIES ME 16 NT

 Stainless steel tubing KF DN 25 (1000 mm: 673337)
 Hose nozzle DN 15 mm / G1/2" (642472)
 Small flange KF DN 16 / G1/2" (672101)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.