

DIAPHRAGM PUMP

ME 8 NT AND ME 16

- 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 highly flexible, fabric-reinforced double diaphragm made of FPM is ideal for extended operating life. These powerful pumps have an exceptionally high pumping speed. The new NT-series features further improved performance data.



ME 8 NT
7.3 m³/h
70 mbar



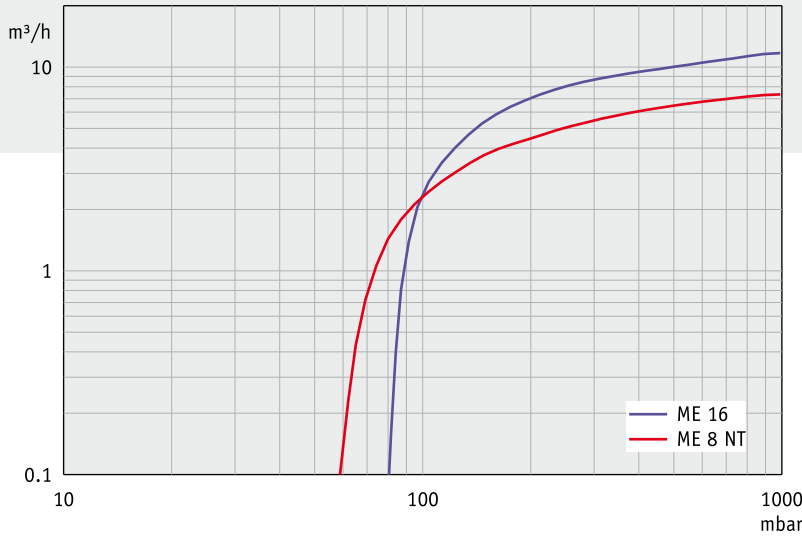
ME 16
12.0 m³/h
80 mbar

PERFORMANCE FEATURES

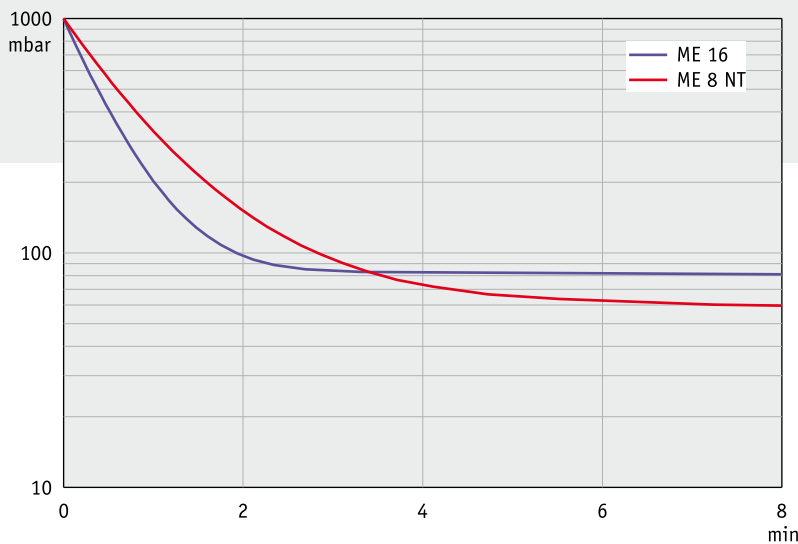
- contamination-free pumping and evacuation
- very high flow rate even near ultimate vacuum
- quiet operation
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs

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 pumping of non-corrosive gases in general. We recommend these pumps especially for processes with high inlet and process pressures. They are excellent for very fast evacuations.



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
Number of heads / stages	4 / 1	8 / 1
Max. pumping speed 50/60 Hz	m ³ /h 7.3/8.1	12.0/12.9
Ultimate vacuum (abs.)	mbar 70	80
Max. back pressure (EX) (abs.)	bar 2	1.1
Inlet connection (IN)	Hose nozzle DN 10 mm	Small flange KF DN 25
Outlet connection (EX)	2 x silencer / G1/4"	Hose nozzle DN 10 mm / silencer / G1/4"
Rated motor power	kW 0.25	0.39
Degree of protection	IP 40	IP 20
Dimensions (L x W x H)	mm 325 x 239 x 198	470 x 222 x 294
Weight	kg 16.4	23.0

ORDERING INFORMATION	ME 8 NT
230 V ~ 50-60 Hz	CEE 734000
230 V ~ 50-60 Hz	CH 734001
230 V ~ 50-60 Hz	UK 734002
120 V ~ 60 Hz	US 734003
100 V ~ 50-60 Hz	US 734006

With NRTL certification for Canada and the USA

ORDERING INFORMATION	ME 16
230 V ~ 50-60 Hz	CEE 696427
400 V ~ 50 Hz 3 ph.	CEE 696428
230 V ~ 50-60 Hz	CH 696435
230 V ~ 50-60 Hz	UK 696434
120 V ~ 60 Hz	US 696426
100 V ~ 50-60 Hz	US 696432

ACCESSORIES **ME 8 NT**
Rubber vacuum tubing
DN 10 mm (686002)

ACCESSORIES **ME 16**
Stainless steel tubing KF DN
25 (1000 mm: 673337)

ITEMS SUPPLIED
Pump completely mounted, ready
for use, with manual