

CHEMISTRY DIAPHRAGM PUMP

ME 8C NT AND ME 16C

- Chemistry-design diaphragm pumps are an excellent solution for continuous, oil-free pumping of corrosive gases and vapors. The one-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum down to 70 mbar. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. Well-proven PTFE sandwich diaphragms for increased reliability and extended operating life. These large pumps have an exceptionally high pumping speed. The new NT-series features further improved performance data and superior vapor tolerance.

ME 8C NT
7.1 m³/h
70 mbar



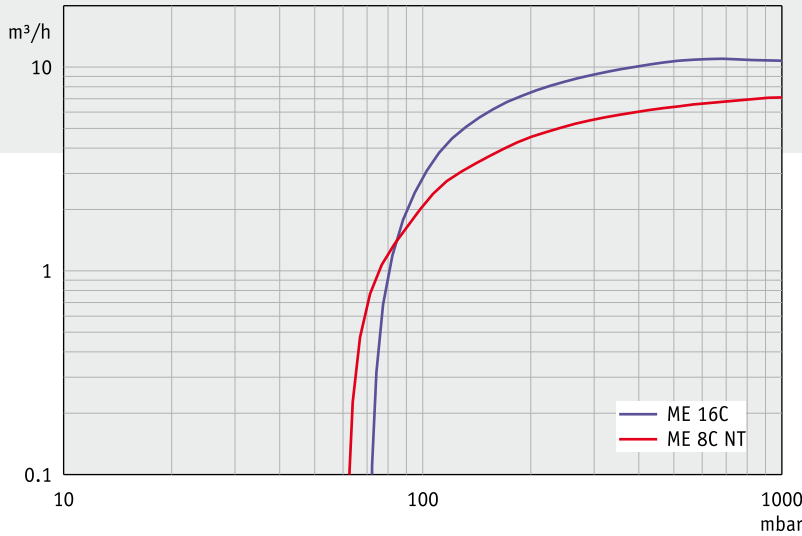
ME 16C
10.1 m³/h
80 mbar

PERFORMANCE FEATURES

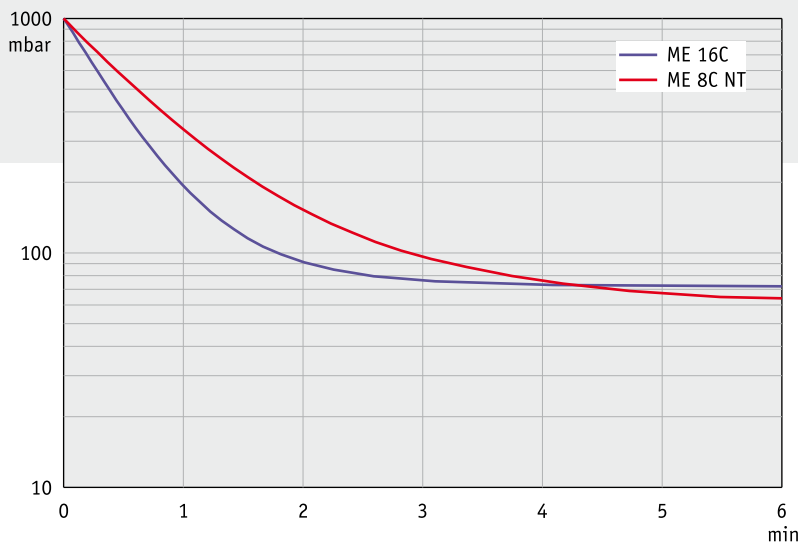
- outstanding chemical resistance and superior vapor tolerance
- exceptionally high performance even at low vacuum
- compact design
- whisper quiet and very low vibration
- long diaphragm life, maintenance-free drive system

APPLICATIONS

Large one-stage chemistry-design diaphragm pumps are an excellent choice for pumping large amounts of gases and vapors. They do not consume water and therefore do not produce any contaminated waste water. Typical applications are vacuum ovens and in general evaporation of low boiling solvents. We recommend these pumps especially for processes with large gas flow at high process pressures.



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 8C NT	ME 16C
Number of heads / stages	4 / 1	8 / 1
Max. pumping speed at 50/60 Hz	m ³ /h 7.1/7.8	10.1/11.6
Ultimate vacuum (abs.)	mbar 70	80
Ultim. vac. (abs.) with gas ballast	mbar -	150
Max. back pressure (EX) (abs.)	bar 1.1	1.1
Inlet connection (IN)	Hose nozzle DN 10 mm	Small flange KF DN 25
Outlet connection (EX)	Hose nozzle DN 10 mm	Hose nozzle DN 10 mm
Rated motor power	kW 0.25	0.39
Degree of protection	IP 40	IP 20
Dimensions (L x W x H)	mm 325 x 243 x 198	515 x 237 x 294
Weight	kg 14.3	25

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

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

ORDERING INFORMATION	ME 8C NT	
230 V ~ 50-60 Hz	CEE	734200
230 V ~ 50-60 Hz	CH	734201
230 V ~ 50-60 Hz	UK	734202
120 V ~ 60 Hz	US	734203

With NRTL certification for Canada and the USA

ORDERING INFORMATION	ME 16C	
230 V ~ 50-60 Hz	CEE	696467
400 V ~ 50 Hz 3 ph.	CEE	696468
230 V ~ 50-60 Hz	CH	696512
230 V ~ 50-60 Hz	UK	696511
120 V ~ 60 Hz	US	696466
100 V ~ 50-60 Hz	US	696472

ACCESSORIES ME 16C
 Rubber vacuum tubing DN 10 mm (686002)
 PTFE tubing KF DN 25 (1000 mm: 686033)
 Inlet separator AK PC 8 (699980)
 Kit PC 8 with emission condenser (699949)