

CHEMISTRY DIAPHRAGM PUMP

ME 8C NT, ME 8C NT +2AK

■ 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.

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



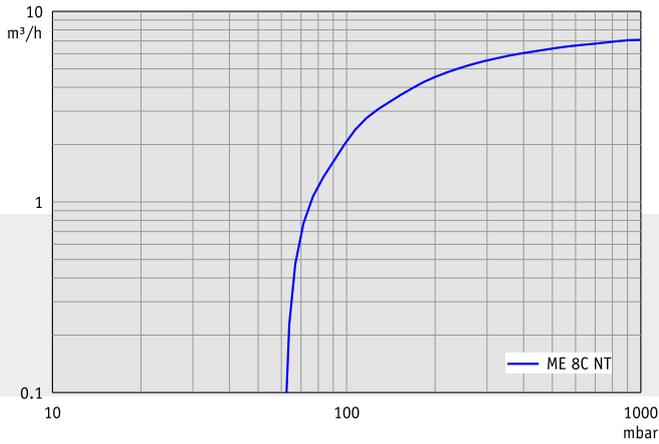
ME 8C NT
7.1 m³/h
70 mbar



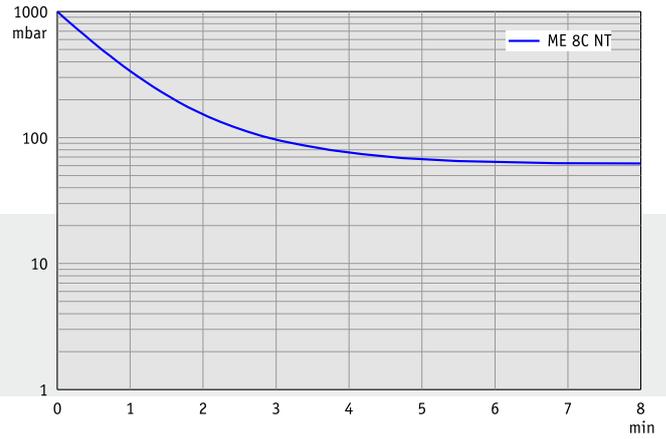
ME 8C NT +2AK
7.1 m³/h
70 mbar

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 degassing of liquids, multipoint filtrations e. g. on vacuum networks 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 8C NT +2AK
Number of heads / stages		4 / 1	4 / 1
Max. pumping speed 50/60 Hz	m ³ /h	7.1 / 7.8	7.1 / 7.8
Ultimate vacuum (abs.)	mbar	70	70
Max. back pressure (abs.)	bar	1.1	1.1
Inlet connection		Hose nozzle DN 8-10 mm	Hose nozzle DN 8-10 mm
Outlet connection		Hose nozzle DN 8-10 mm	Hose nozzle DN 8-10 mm
Rated motor power	kW	0.25	0.25
Degree of protection		IP 40	IP 40
Dimensions (L x W x H), approx.	mm	325 x 243 x 198	319 x 243 x 374
Weight, approx.	kg	14.3	16.7

ORDERING INFORMATION ME 8C NT

230 V ~ 50-60 Hz	CEE	Ex*	734200
230 V ~ 50-60 Hz	CH, CN	Ex*	734201
230 V ~ 50-60 Hz	UK	Ex*	734202
120 V ~ 60 Hz	US		734203
100 V ~ 50-60 Hz	US		734206

With NRTL certification for Canada and the USA

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

ORDERING INFORMATION ME 8C NT +2AK

100-115 V ~ 50-60 Hz / 120 V ~ 60 Hz			
200-230 V ~ 50-60 Hz	IEC plug EN 60320	Ex*	734405**

With NRTL certification for Canada and the USA

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

**Please order power cable separately

▶ pg. 185

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.

ACCESSORIES

Rubber vacuum tubing DN 8 mm (686001)