

Chemistry diaphragm pump

ME 2C NT, ME 4C NT and ME 4C 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 increase reliability and extend operating life. The new NT-series features further improved performance data, higher tolerance for condensates and simplified maintenance. The ME 4C NT is also available as chemistry vacuum system ME 4C NT +2AK with inlet separator to protect the pump against particles and liquid droplets, plus outlet separator to collect condensate.

PERFORMANCE FEATURES

- outstanding chemical resistance
- high performance even at low vacuum levels
- whisper quiet
- low vibration
- long diaphragm life, maintenance-free drive system



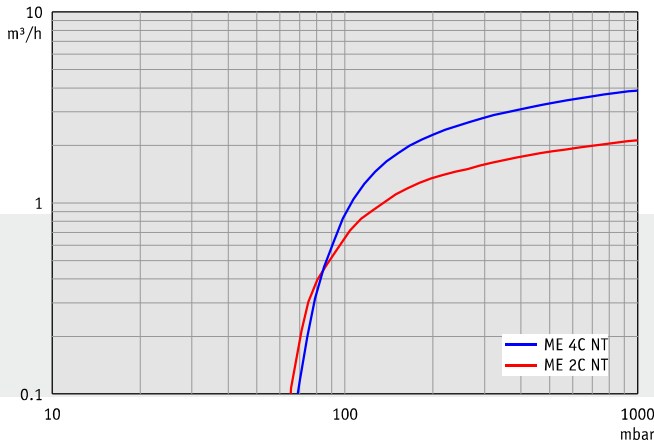
ME 2C NT
2.1 m³/h
70 mbar



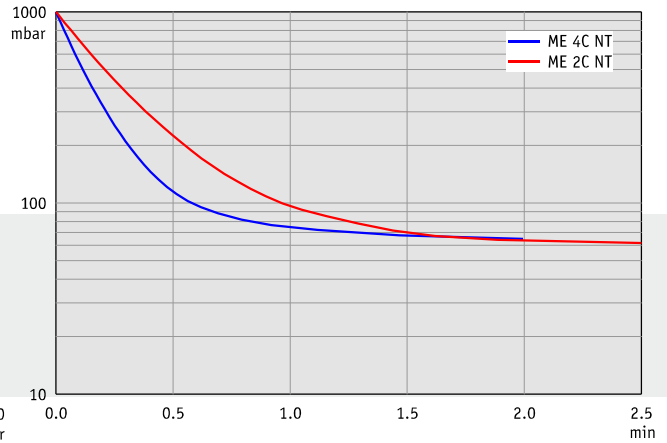
ME 4C NT
3.9 m³/h
70 mbar

APPLICATIONS

One-stage chemistry-design diaphragm pumps are an excellent choice for applications with corrosive gases and vapors which do not require very deep vacuum levels. They do not consume water and therefore do not produce any contaminated waste water. Typical applications are filtration as well as concentration of solvents with low boiling points. The ME 4C NT is recommended for processes which require higher flow rates. The chemistry vacuum system ME 4C NT +2AK with inlet separator and condensate catchpot is an excellent choice for rugged applications and for collecting condensates at the exhaust of the pump.



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"

TECHNICAL DATA		ME 2C NT	ME 4C NT
Number of heads / stages		1 / 1	2 / 1
Max. pumping speed 50/60 Hz	m ³ /h	2.1 / 2.4	3.9 / 4.3
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	0.18	0.18
Degree of protection		IP 40	IP 40
Dimensions (L x W x H), approx.	mm	243 x 211 x 198	254 x 243 x 198
Weight, approx.	kg	10.2	11.1

ORDERING INFORMATION ME 2C NT

230 V 50-60 Hz	CEE	Ex	730100
230 V 50-60 Hz	UK	Ex	730102
100-115 V 50-60 Hz / 120 V 60 Hz	US		730103
100-115 V 50-60 Hz / 120 V 60 Hz			
200-230 V 50-60 Hz	IEC plug EN 60320	Ex	730105

With NRTL certification for Canada and the USA

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

Please order power cable separately

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ORDERING INFORMATION ME 4C NT

230 V 50-60 Hz	CEE	Ex	731200
230 V 50-60 Hz	CH, CN	Ex	731201
230 V 50-60 Hz	UK	Ex	731202
100-115 V 50-60 Hz / 120 V 60 Hz			
120 V 60 Hz	US		731203

With NRTL certification for Canada and the USA

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

ORDERING INFORMATION ME 4C NT +2AK

100-115 V 50-60 Hz / 120 V 60 Hz			
200-230 V 50-60 Hz	IEC plug EN 60320	Ex	2614080

With NRTL certification for Canada and the USA

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ACCESSORIES

VACUU-LAN® Mini-Network (2614455)

Rubber vacuum tubing DN 8 mm (686001)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.