

## DIAPHRAGM PUMP

### ME 4R NT

■ This one-stage diaphragm pump works as a vacuum generator and as well as a compressor. All parts in contact with pumped media are made of aluminum and selected plastics (PTFE diaphragms and valves). They enable a wide range of applications for non-corrosive gases. The inlet and outlet connections of the ME 4R NT are equipped with regulator valves for vacuum and overpressure, respectively. Both the compression pressure and vacuum level can be adjusted. Inlet vacuum level and outlet pressure are indicated by manometers.

#### PERFORMANCE FEATURES

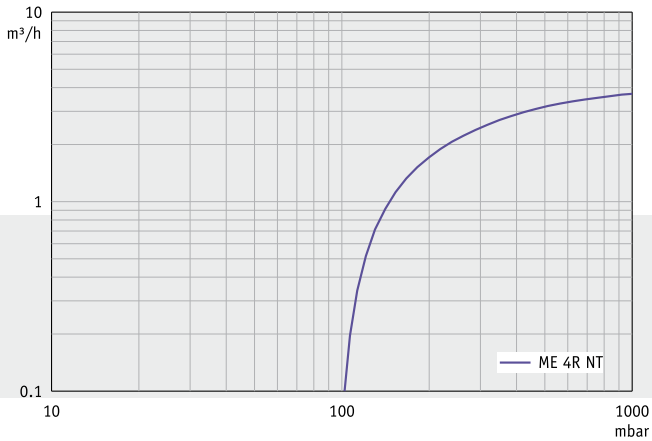
- contamination-free pumping, evacuation and compression
- high flow rate even near ultimate vacuum
- adjustment of outlet pressure and vacuum level with regulator-valves
- very low vibration
- exceptionally long diaphragm life and maintenance-free drive system for low lifetime costs



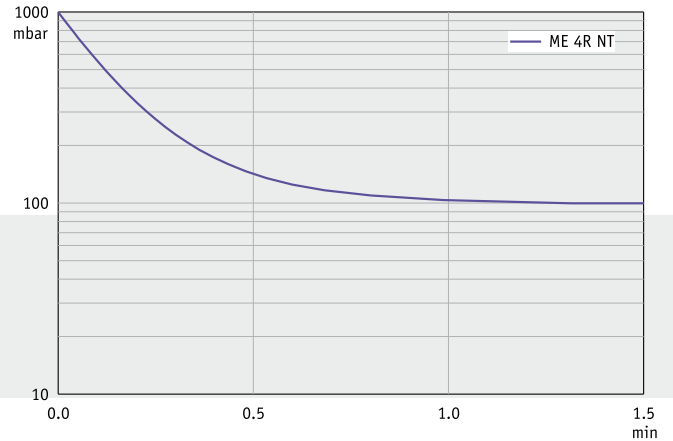
**ME 4R NT**  
3.8 m<sup>3</sup>/h  
100 mbar

#### APPLICATIONS

This one-stage diaphragm pump is an excellent choice for continuous, oil-free pumping and evacuation of non-corrosive gases and also for compression. Typical applications are vacuum ovens, pressure and vacuum filtrations and generation of compressed, absolutely oil-free air. Inlet- and outlet pressure can be adjusted continuously using the regulator valves. The manometers on inlet- and outlet side enable easy setting of the desired vacuum and pressure levels.



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**

		<b>ME 4R NT</b>
Number of heads / stages		2 / 1
Max. pumping speed 50/60 Hz	m <sup>3</sup> /h	3.8 / 4.2
Ultimate vacuum (abs.)	mbar	100
Max. back pressure (abs.)	bar	4
Inlet connection		Hose nozzle DN 8-10 mm
Outlet connection		Hose nozzle DN 8-10 mm
Rated motor power	kW	0.18
Degree of protection		IP 40
Dimensions (L x W x H), approx.	mm	243 x 239 x 290
Weight, approx.	kg	11.5

**ORDERING INFORMATION ME 4R NT**

230 V ~ 50-60 Hz	CEE	731100
230 V ~ 50-60 Hz	UK	731102
100-115 V ~ 50-60 Hz / 120 V ~ 60 Hz	US	731103

With NRTL certification for Canada and the USA

**ACCESSORIES**

Rubber vacuum tubing DN 8 mm (686001)

**ITEMS SUPPLIED**

Pump completely mounted, ready for use, with manual.