

DIAPHRAGM PUMPS

ME 2 AND ME 2C

vacuubrand

ME 2 one stage

..... 1.9 m³/h
 1.3 cfm
 37 l/min

..... < 80 mbar

..... < 60 Torr

ME 2C one stage

..... 1.7 m³/h
 1.2 cfm
 33 l/min

..... < 80 mbar

..... < 60 Torr

The one stage diaphragm pumps ME 2 and ME 2C are totally oil free, mechanical vacuum pumps. The precise geometry of displacement and head space provides a low ultimate vacuum around 80 mbar and a high pumping speed of approx. 2 m³/h. Optimised kinetics for minimum work and wear of the diaphragm result in high reliability, low scuffing, long life and low noise level of the diaphragm. In a wide range of applications they are the modern alternative for evacuation and pumping of gases in chemical and physical laboratories e. g. alternative to water jet and rotary vane pumps.



ME 2C

SPECIAL ADVANTAGES

- continuous oil free pumping of gases and vapours
- selected chemically resistant materials (ME 2C)
- no water consumption, no drained water
- long lifetime, easy to change diaphragms and valves
- low noise level
- compact design

The choice between the two versions depends on the application:

Aluminium Version ME 2:

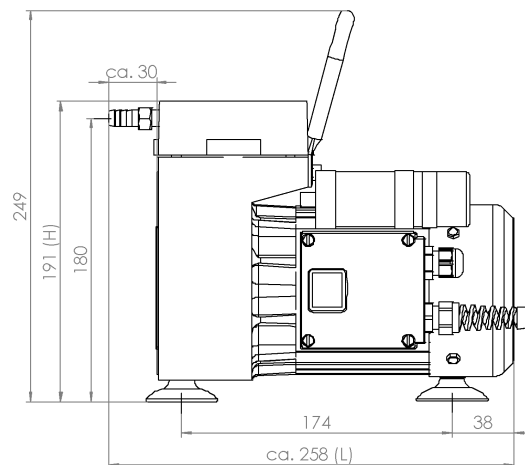
Gas contacting parts in aluminium, FPM (e. g. Viton®) and PE are designed for a multitude of applications of vacuum generation in laboratories and process plants, such as gas transfer for non-aggressive solvents, vacuum filtration, vacuum degassing and vacuum impregnation.

Chemistry Version ME 2C:

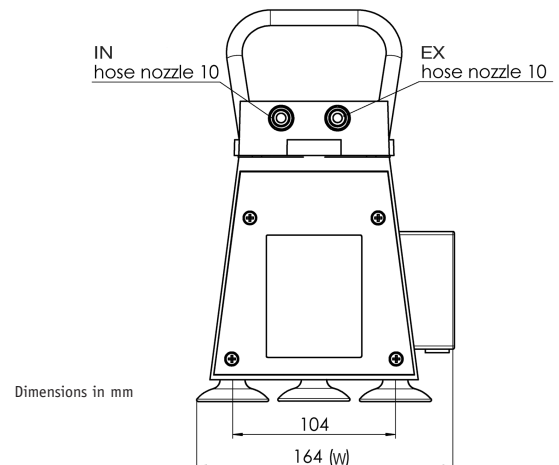
All parts of the chemistry version coming into contact with gases and vapours are made of chemically resistant fluorinated plastic materials. Typical applications are vacuum drying chambers, distillation, gel drying and transfer of aggressive gases and vapours.



ME 2

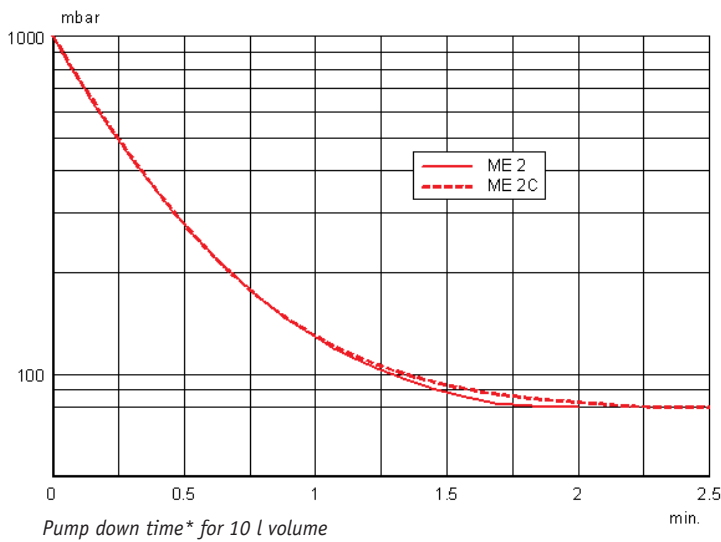
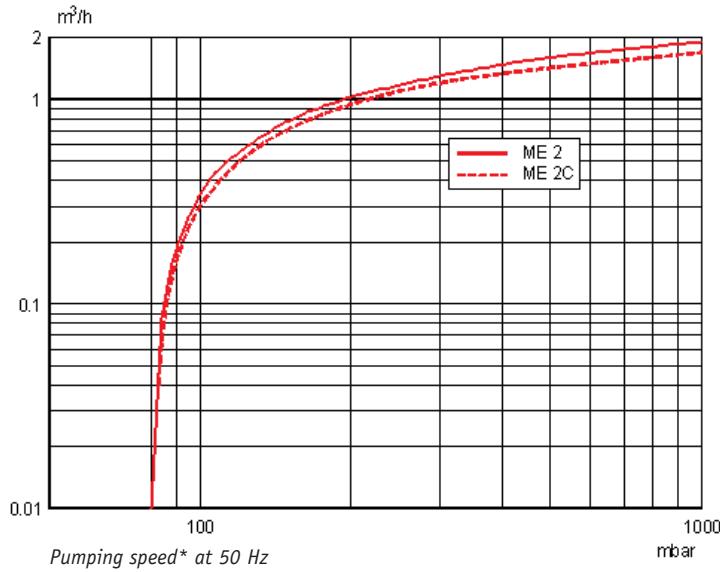


ME 2C



Dimensions in mm

DIAPHRAGM PUMPS ME 2 AND ME 2C



ME 2 one stage

- **1.9** m³/h
- **1.3** cfm
- **37** l/min
- **< 80** mbar
- **< 60** Torr

ME 2C one stage

- **1.7** m³/h
- **1.2** cfm
- **33** l/min
- **< 80** mbar
- **< 60** Torr

TECHNICAL DATA

		ME 2	ME 2C
Number of stages		1	1
Max. pumping speed (DIN 28432) 50/60 Hz	m ³ /h//cfm	1.9/2.2//1.3	1.7/2.0//1.2
No. of cylinders		1	1
Ultimate vacuum (total)	mbar//Torr	< 80//< 60	< 80//< 60
Max. pressure outlet (total)	bar	2	2
Inlet connection (IN)		hose nozzle NW 10	hose nozzle NW 10
Outlet connection (EX)		silencer	hose nozzle NW 10
Motor power A. C.	kW	0.12	0.12
Motor rpm. (nominal) 50/60 Hz	min ⁻¹	1500/1800	1500/1800
Degree of protection		IP 54	IP 54
Dimensions (L x W x H)	mm	275 x 164 x 188	258 x 164 x 191
Mass	kg	6.8	7.1

Items supplied: Diaphragm pump with on/off switch, cable, plug and instructions for use.

ORDERING INFORMATION

		ME 2	ME 2C
230 V ~ 50-60 Hz	plug CEE	69 61 20	69 61 21
230 V ~ 50-60 Hz	plug UK	69 61 26	69 61 32
120 V ~ 60 Hz	plug US	69 61 23	69 61 24

*Pumping speed and pump down time only for information. Ultimate pressure specification: see "Technical Data"