

## DIAPHRAGM PUMPS

100 mbar - 0.7 m<sup>3</sup>/h

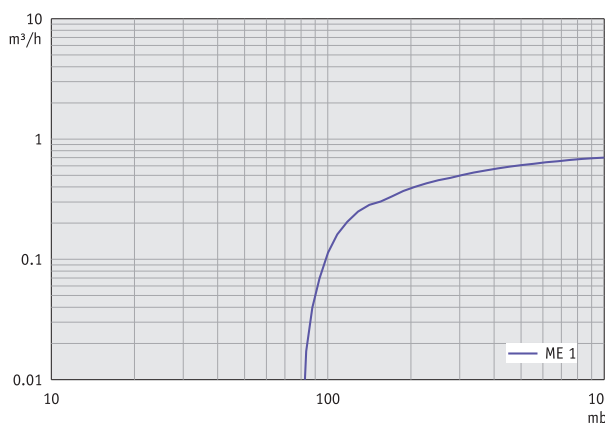
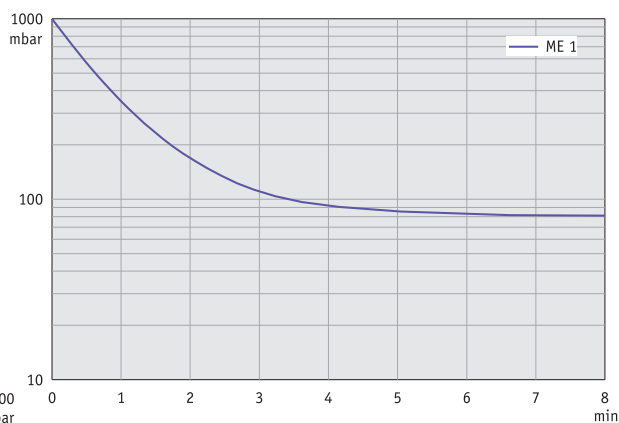
- convenient, quick and simple to use due to the new top mounted power switch
- whisper quiet and very low vibration
- requires minimal benchtop space
- maintenance-free drive system and proven long diaphragm life
- wetted materials: PTFE, aluminum



## ME 1

Vacuum filtration is one of the most common applications used for sample preparation in chemistry, microbiology, waste water control and other analytical processes. The ME 1 diaphragm pump offers a compact, high performance and easy-to-use solution which is perfect for single port filtrations. These oil-free diaphragm pumps provide a well-proven and extraordinarily long diaphragm life time with typically 15,000 operating hours. The functional, space saving and innovative design with visible top mounted power switch ensures convenient and quick operation for day to day lab work. The PTFE diaphragm and valves are rugged and provide high chemical resistance. An optional manual regulator valve with dial gauge enables variable fine adjustment of the pumping speed and ultimate vacuum.

Pumping speed graph at 50 Hz

Pump down graph at 50 Hz  
(10 l volume)

Further information and diagrams for 60 Hz mains frequency at [www.vacuubrand.com](http://www.vacuubrand.com)  
Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

## DIAPHRAGM PUMPS

## TECHNICAL DATA

## ME 1

Number of heads / stages	1 / 1
Max. pumping speed 50/60 Hz	0.7 / 0.85 m³/h
Ultimate vacuum (abs.)	100 mbar
Max. back pressure (abs.)	1.1 bar
Inlet connection	Hose nozzle DN 6-10 mm
Outlet connection	Silencer / G1/8"
Rated motor power	0.04 kW
Degree of protection	IP 40
Dimensions (L x W x H), approx.	247 x 121 x 145 mm
Weight, approx.	5.0 kg

## ACCESSORIES

Rubber vacuum tubing DN 6 mm (686000)  
 Rubber vacuum tubing DN 8 mm (686001)  
 Vacuum regulator valve unit for ME 1 (696842)

## ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.

## ORDERING INFORMATION

## ME 1

230 V ~ 50-60 Hz	CEE	Ex*	721000
230 V ~ 50-60 Hz	CH, CN	Ex*	721001
230 V ~ 50-60 Hz	UK, IN	Ex*	721002
100-120 V ~ 50-60 Hz	US		721003
100-120 V ~ 50-60 Hz /			
200-230 V ~ 50-60 Hz		Ex*	**721005

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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**Use the above details to contact us if this literature doesn't answer all your questions.**

**Pricing on any accessories shown can be found by keying the part number into the search box on our website.**

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

