

Diaphragm Pumps, VACUUBRAND

VACUUBRAND's aluminum design diaphragm pump is a perfect match for many applications in the laboratory and operations because it is oil-free and whisper quiet, and because it requires so little service. Diaphragms have especially long lives, and hermetically seal the drive space from the pumping chamber to protect mechanical parts from corrosion. The pumps achieve their distinctively high performance from high pumping chamber volume relative to the minimal dead space. Highly flexible FKM double diaphragms with fabric reinforcement guarantee an extremely long diaphragm lifetime. The pumps operate absolutely oil free and do not have any sliding components on the vapor side; in normal operation they are completely free of abrasion. Besides contributing to the long service intervals, the lack of abrasion also eliminates most of the particulate impurities frequently generated on the vacuum side of scroll or piston pumps.

Items supplied: Pumping unit completely mounted, ready for use, incl. device cable, with manual.

Diaphragm pump ME 1

The ME 1 diaphragm pump offers a compact, high performance and easy to use solution which is perfect for both single and multiple filtrations. This new development, based on the highly successful technology of the diaphragm pump series MD 1, provides a well-proven and extraordinary long diaphragm life time. The functional, space saving and innovative design with visible top mounted power switch ensures convenient and quick operation for day to day lab work. Robust PTFE diaphragms and valves provide optimal chemical resistance. An optional manual control valve with dial gauge enables variable fine adjustment of the pumping speed.

Membrane pump MD 1

The oil-free, dry-sealing membrane pump MD 1 is used to evacuate and convey gases up to an excellent final vacuum. Compared to 2-stage membrane pumps, the 3-stage pump with small and very precisely guided level membranes shows a convincing extraction power also when approaching the final vacuum. This pump type is characterized by its particularly smooth running and very long useful life of the membranes.

Membrane pump MZ 2 NT

With two-stage design for a favourable combination of high extraction power and good final vacuum of up to 7 mbar. The highly flexible FKM double membranes with reinforced fabric ensure a long useful life of the membranes. The new NT series is characterized by further improved output data.

M:	membrane vacuum pump
E:	single-stage, max. 70 mb
Z:	2-stage, max. 7 mb
D:	3-stage, max. 1.5 mb
V:	4-stage, max. 0.6 mbar
SYNCHRO:	connection for simultaneous operation of two applications
BVC:	Fluid aspiration system BioChem VacuuCenter
BVC control G:	G for version with glass bottle

	Type	Pumping speed m ³ /h	Ultimate vacuum mbar	Weight kg	L x W x H mm	Order No.
①	ME 1	0.7	100	5.0	247×121×145	10 18 71072
③	MD 1	1.2	1.5	6.5	303×143×163	10 18 71069
②	MZ 2 NT	2.2	7	11.0	243×239×198	10 18 71073

Vacuum regulator valve unit for ME 1

Items supplied: Manual vacuum regulator valve with analogue pressure gauge for diaphragm pump ME 1, with hose nozzle DN 6/10 mm.

Article	Order No.
④ Regulator valve unit for ME 1	10 18 76842



WWC5C003



Vakuumentchnik im System



①



②



③



④

