

*vacuubrand*

Technology for Vacuum Systems

# Reliable power for your vacuum process

NT Diaphragm pumps  
down to 0.5 mbar  
ultimate vacuum

**NEW  
TECHNOLOGY**



*A new class of oil-free vacuum pumps*

Seven  
new units

Pumping  
speed up  
to 8 m<sup>3</sup>/h

Ultimate  
vacuum down  
to 0.5 mbar

# A new class of oil-free diaphragm pumps

- **Improved performance**  
Increased pumping speed (approx. 10% more than the predecessors) and better ultimate vacuum extend the application field both for the laboratory as well as industrial processes with non-aggressive gases
- **Very low leak rate**  
due to enhanced leak-tight tubing connections, resulting in consistent performance characteristics – even after many years operation. Ideal for analytical applications



MD 4 NT  
down to 1 mbar



Compact coverage of motor and electronic parts

- **Long diaphragm lifetime**  
due to high-flexibility fabric-reinforced double diaphragm made of FPM
- **Whisper quiet and ultra low vibration**  
due to compact drive with patented motor drive system. Ideal as a built-in component for sensitive analytical equipment
- **Easy to clean**  
due to smooth surfaces (ME 8 NT, MD 4 NT, MV 2 NT). A robust solution for a multitude of applications in industrial environments

With 150 employees and over 40 years of experience, VACUUBRAND manufactures the most comprehensive range of laboratory and instrumentation vacuum pumps, gauges and controllers for rough and fine vacuum.

The product range comprises rotary-vane pumps, oil-free diaphragm pumps, complete pumping units, flexible vacuum systems and solutions for local area networks. The range is completed by a wide choice of fittings and accessories as well as vacuum gauges and controllers for rough and fine vacuum.

Our technical literature is only intended to inform our customers. The validity of general empirical values and results obtained under test conditions for specific applications depends upon a number of factors beyond our control. It is, therefore, strictly the users' responsibility to verify carefully the validity or suitability to their specific requirements. No claims arising from the information provided in this catalogue will consequently be entertained. Technical data are subject to change without notice.

Pictures may depict accessories which are not supplied as standard under the catalogue number printed.

DIAPHRAGM PUMPS		ME 4 NT	ME 4R NT	ME 8 NT	MZ 2 NT
Max. pumping speed* 50/60 Hz	m <sup>3</sup> /h	4.0/4.4	4.0/4.4	7.3/8.1	2.2/2.4
Ultimate vacuum (total)	mbar	70	100 mbar / 4 bar**	70	7
Inlet connection (IN)		hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm
Outlet connection (EX)		silencer	hose nozzle 10 mm	2 x silencer	silencer
Dimensions (L x W x H)	mm	243 x 239 x 198	243 x 239 x 290	325 x 239 x 198	243 x 239 x 198

#### ORDERING INFORMATION

230 V ~ 50 Hz	plug CEE	73 10 00	73 11 00	73 40 00	73 20 00
230 V ~ 50 Hz	plug UK	73 10 02	73 11 02	73 40 02	73 20 02
100-120 V ~ 50-60 Hz	plug US	73 10 03	73 11 03	73 40 03***	73 20 03
100 V ~ 50 - 60 Hz	plug US	-	-	73 40 06	-

DIAPHRAGM PUMPS		MZ 2D NT	MD 4 NT	MV 2 NT
Max. pumping speed* 50/60 Hz	m <sup>3</sup> /h	2.3/2.5	3.8/4.3	2.2/2.4
Ultimate vacuum (total)	mbar	4	1	0.5
Inlet connection (IN)		small flange KF NW 16	small flange KF NW 16	small flange KF NW 16
Outlet connection (EX)		silencer	silencer	silencer
Dimensions (L x W x H)	mm	243 x 242 x 198	325 x 239 x 198	325 x 239 x 198

#### ORDERING INFORMATION

230 V ~ 50 Hz	plug CEE	73 22 00	73 60 00	73 80 00
230 V ~ 50 Hz	plug UK	73 22 02	73 60 02	73 80 02
100-120 V ~ 50-60 Hz	plug US	73 22 03	73 60 03	73 80 03

\*accord. to ISO 21360

\*\*Equipment with vacuum and pressure regulator valves. Max. pressure at outlet 4 bar (total).  
\*\*\*120 V ~ 60 Hz only



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