

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 m³/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



Compact coverage of motor and electric parts



MD 4 NT
three-stage - 1 mbar

- **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

THE COMPANY:

With 160 employees and over 45 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 ³ /h	4.0/4.4	3.8/4.2	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 ~ 50-60 Hz	plug CEE	731000	731100	734000	732000
230 V ~ 50-60 Hz	plug UK	731002	731102	734002	732002
100-120 V ~ 50-60 Hz	plug US	731003	-	734003***	732003
100 V ~ 50-60 Hz	plug US	-	-	734006	-

DIAPHRAGM PUMPS		MZ 2D NT	MD 4 NT	MV 2 NT
Max. pumping speed* 50/60 Hz	m ³ /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 DN 16	small flange KF DN 16	small flange KF DN 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 ~ 50-60 Hz	CEE	732200	736000	738000
230 V ~ 50-60 Hz	UK	732202	736002	738002
100-120 V ~ 50-60 Hz	US	732203	736003	738003

*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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