

*vacuubrand*

Technology for Vacuum Systems

**Extremely powerful,  
ultra low vibration,  
reliable and  
easy to service**

**NT Chemistry diaphragm  
vacuum pumps**

**NEW  
TECHNOLOGY**



*For  
corrosive  
vapours  
and gases*

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

Ultimate  
vacuum down  
to 1.5 mbar

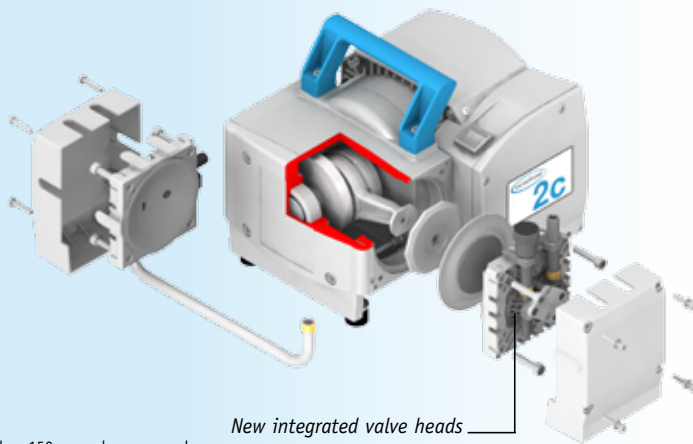
# A new class of oil-free diaphragm pumps

- **Improved performance**  
Increased pumping speed (approx. 10 % more than the predecessors) and better ultimate vacuum extend the application field both in the laboratory as well as for industrial purposes
- **Uncompromising chemistry design**  
due to the use of chemically resistant fluoroplastics for all gas contacting parts
- **Long diaphragm lifetime**  
due to PTFE sandwich design and stress free fixing of the diaphragms



MD 4C NT  
down to 1.5 mbar

- **Easy service**  
Independent changing of diaphragm or valves due to novel integrated valve head assembly. Easy dismantling, cleaning and safe reassembling without the need for readjustment
- **Whisper quiet and ultra low vibration**  
due to compact drive with patented motor drive system. Ideal as a built-in component for sensitive equipment in both the laboratory and industry
- **Superior vapour tolerance**  
due to integrated tubing connections. The types MZ 2C NT and MD 4C NT provide a gas ballast valve as standard
- **Easy to clean**  
due to smooth exterior surfaces



New integrated valve heads

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.

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DIAPHRAGM PUMPS	ME 4C NT	ME 8C NT	MZ 2C NT	MD 4C NT
Max. pumping speed* 50/60 Hz	m <sup>3</sup> /h 3.9/4.4	7.1/7.8	2.0/2.3	3.4/3.8
Ultimate vacuum (total)	mbar 70	70	7	1,5
Ultimate vacuum with gas ballast	mbar -	-	12	3
Inlet connection (IN)	hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm
Outlet connection (EX)	hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm	hose nozzle 10 mm
Dimensions (L x W x H)	mm 243 x 243 x 198	325 x 243 x 198	243 x 243 x 198	325 x 243 x 198

## ORDERING INFORMATION

230 V ~ 50 Hz	plug CEE	73 12 00	73 42 00	73 23 00	73 64 00
230 V ~ 50 Hz	plug UK	73 12 02	73 42 02	73 23 02	73 64 02
100 - 120 V ~ 50 - 60 Hz	plug US	73 12 03	73 42 03**	73 23 03	73 64 03

\*accord. to ISO 21360 \*\*120V ~ 60 Hz only



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VACUUBRAND GMBH + CO KG · Alfred-Zippe-Str. 4 · 97877 Wertheim · Germany  
Tel.: +49 9342 808-0 · Fax: +49 9342 808-450 · E-Mail: info@vacuubrand.de · Web: www.vacuubrand.com