

DIAPHRAGM PUMPS

2 / 1.5 mbar - 12.1 / 13.4 m³/h

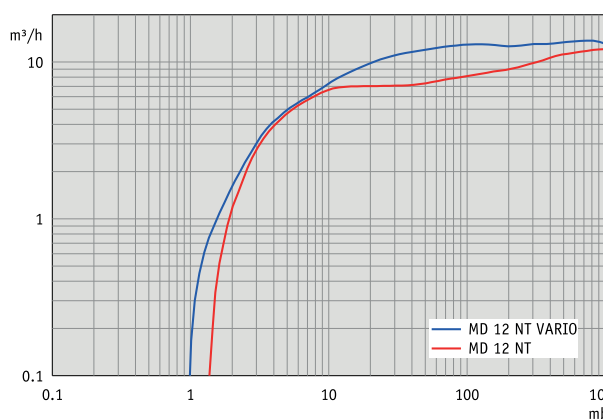
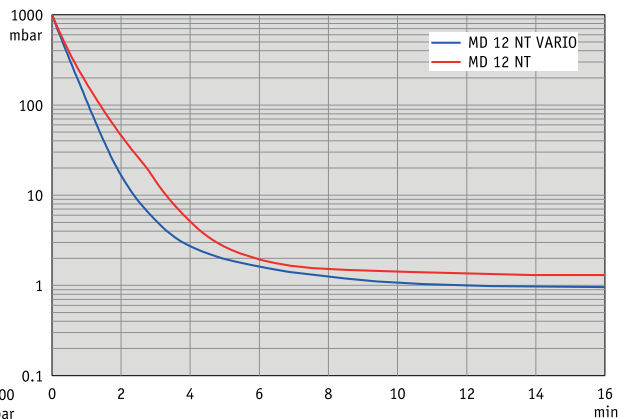
- ◆ contamination-free pumping and evacuation
- ◆ high flow rate even near ultimate vacuum
- ◆ VARIO® model includes the easily operated CVC 3000 vacuum controller with clear text menus, removable
- ◆ VARIO® version offers self-regulating vacuum optimization throughout the process
- ◆ TURBO·MODE in VARIO® version with even better ultimate vacuum especially for backing of turbo pumps



MD 12 NT - MD 12 NT VARIO

These oil-free diaphragm pumps are especially powerful pumps for evacuation and pumping of non aggressive gases. The three-stage design combines especially high pumping speed with excellent ultimate vacuum down to 2 mbar, and down to 1.5 mbar with the VARIO® version. It provides precise vacuum control and consists always of the pump and the CVC 3000 vacuum controller with external gauge head. For the use as backing pump it features continuous adaptation of running speed for optimized forevacuum. The highly flexible, fabric-reinforced double diaphragm made of FKM offers extended operating life that increases significantly in motor speed controlled operation. Like all VACUUBRAND diaphragm pumps they generate an absolutely oil-free and clean vacuum as they work without any sliding seals. Hence generation of dust that might creep back into the high vacuum application, as often found with Scroll or piston pumps, is excluded.

Pumping speed graph at 50 Hz

Pump down graph at 50 Hz
(100 l volume)Further information at www.vacuubrand.com

Pumping speeds and pump down times are only for information. Ultimate vacuum specification: See "Technical Data"

DIAPHRAGM PUMPS

TECHNICAL DATA

MD 12 NT

| | |
|---------------------------------|-----------------------|
| Number of heads / stages | 8 / 3 |
| Max. pumping speed 50/60 Hz | 12.1 / 13.3 m³/h |
| Ultimate vacuum (abs.) | 2 mbar |
| Max. back pressure (abs.) | 1.1 bar |
| Inlet connection | Small flange KF DN 25 |
| Outlet connection | Silencer / G1/2" |
| Rated motor power | 0.44 kW |
| Degree of protection | IP 40 |
| Dimensions (L x W x H), approx. | 554 x 260 x 359 mm |
| Weight, approx. | 30.6 kg |

TECHNICAL DATA

MD 12 NT VARIO

| | |
|---------------------------------|--|
| Vacuum controller | CVC 3000 |
| Number of heads / stages | 8 / 3 |
| Max. pumping speed | 13.4 m³/h |
| Ultimate vacuum (abs.) | 1.5 mbar |
| Max. back pressure (abs.) | 1.1 bar |
| Inlet connection | Small flange KF DN 25 |
| Outlet connection | Silencer / G1/2" |
| Vacuum sensor connection | Small flange KF DN 16, PTFE tubing connection 10/8 mm, hose nozzle DN 6/10 mm |
| Rated motor power | 0.53 kW |
| Degree of protection | IP 40 |
| Dimensions (L x W x H), approx. | 554 x 260 x 420 mm |
| Weight, approx. | 31.2 kg |

ACCESSORIES MD 12 NT

Stainless steel tubing KF DN 25 (1000 mm: 673337)
Hose nozzle DN 15 mm / G1/2" (642472)
Small flange KF DN 16 / G1/2" (672101)

ACCESSORIES MD 12 NT VARIO

Stainless steel tubing KF DN 25 (1000 mm: 673337)
Hose nozzle DN 15 mm / G1/2" (642472)
Small flange KF DN 16 / G1/2" (672101)
Vent valve VBM-B (674217)

ITEMS SUPPLIED

Pump completely mounted, ready for use, with manual.

ORDERING INFORMATION

MD 12 NT

| | | | |
|------------------------|--------|-----|--------|
| 230 V ~ 50-60 Hz | CEE | Ex* | 743000 |
| 230 V ~ 50-60 Hz | CH, CN | Ex* | 743001 |
| 230 V ~ 50-60 Hz | UK, IN | Ex* | 743002 |
| 100-115 V ~ 50-60 Hz / | | | |
| 120 V ~ 60 Hz | US | | 743003 |

ORDERING INFORMATION

MD 12 NT VARIO

| | | | |
|----------------------|-----|-----|--------|
| 200-230 V ~ 50-60 Hz | CEE | Ex* | 743100 |
| 100-120 V ~ 50-60 Hz | US | | 743103 |

Ex*: ATEX: II 3G IIC T3 X, Internal Atm. only



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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.

