VACUUBRAND®

# 化学真空系统
# MD 1C +AK+EK



网站链接

## 产品说明

该款化学真空系统广泛应用于排气、蒸发或者气体抽取等过程。它可满足高沸点溶剂更高的真空需求，常用来取代旋片泵。主要用于连接旋转蒸发仪和真空干燥箱。进气口的分离瓶（AK）为玻璃材质，外部覆保护膜，用来防止颗粒或小液滴进入泵体。出气口的废气冷凝器（EK）效率高，结构紧凑，可实现近100%的溶剂回收效果，有效地循环利用溶剂同时保护环境。

## 性能特点

- 卓越的化学耐腐蚀性和蒸汽耐受性
- 在较高真空度下仍具有非常好的性能
- 使用气镇仍能达到很好的极限真空
- 排气安静，振动极低
- 高效的溶剂回收系统，使其成为一款环境友好的产品


© VACUUBRAND GMBH + CO KG | 2026

## 订购信息

| 产品名称 | 额定电源电压\|工作频率 | 电源插头类型 | 订货号 |
|---|---|---|---|
| MD 1C +AK+EK | 220-230 V \| 50-60 Hz<br>100-115 V \| 50-60 Hz | CEE | 20696620 |
| MD 1C +AK+EK | 220-230 V \| 50-60 Hz<br>100-115 V \| 50-60 Hz | CH, CN | 20696621 |
| MD 1C +AK+EK | 220-230 V \| 50-60 Hz<br>100-115 V \| 50-60 Hz | UK, IN | 20696622 |
| MD 1C +AK+EK | 220-230 V \| 50-60 Hz<br>100-115 V \| 50-60 Hz | US | 20696623 |

## 货品配置

**真空系统安装完毕，连接即可使用，附带说明书**

## 配件

- DN 8-10mm (20636588)
- VACUU·LAN®**模块** DN 10/8 mm (20637873)
- **透明真空管** DN 8 mm (20686061)
- **密封圈套装** MD 1C, MD 1C +AK+EK, MD 1C VARIO-SP, PC 2001 VARIO, PC 3001 VARIO, MV 0.5C (20696828)
- **密封圈套装** MD 1C, MD 1C +AK+EK, MD 1C VARIO-SP, PC 2001 VARIO, PC 3001 VARIO, MV 0.5C (20696828)


© VACUUBRAND GMBH + CO KG | 2026

## 技术指标

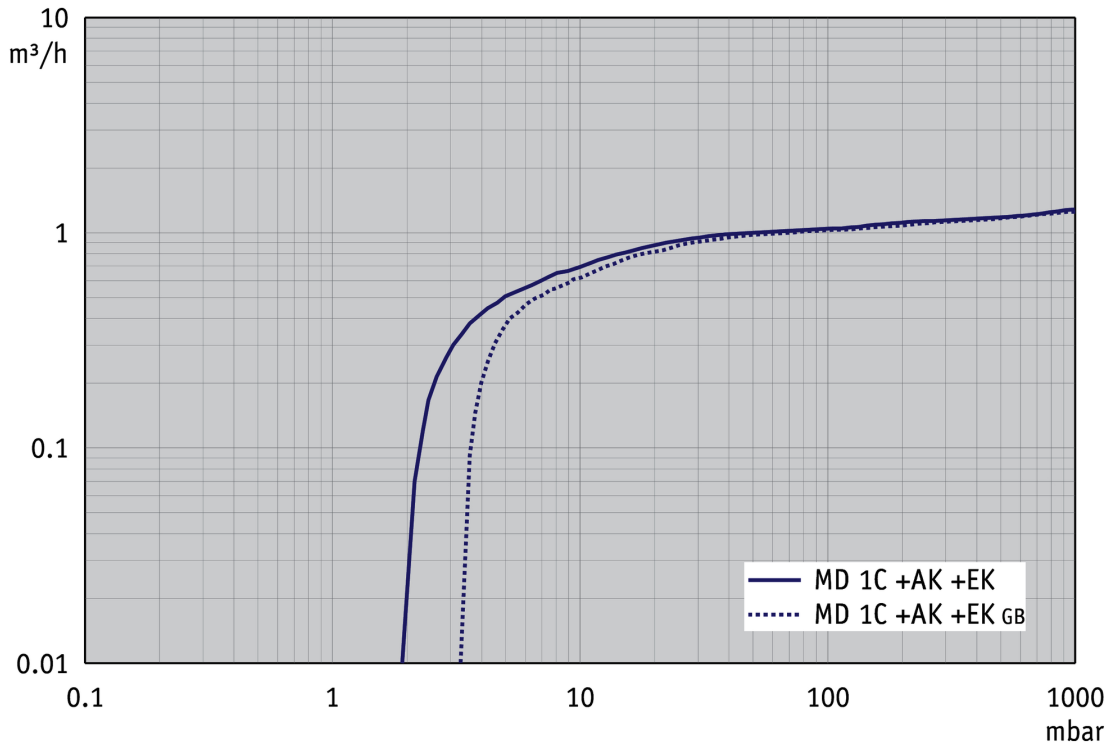
| | |
|---|---|
| 50 Hz **最大抽速** ($m^3/h$) | 1.3 $m^3/h$ |
| 60 Hz **最大抽速** (cfm) | 0.88 cfm |
| **极限真空** | 2 mbar / 1.5 torr |
| **极限真空，使用气镇** | 4 mbar / 3 torr |
| **泵头数** | 4 |
| **泵级数** | 3 |
| **的允许环境温度范围（运行）** | 10 - 40 °C |
| **的允许环境温度范围（存放）** | -10 - 60 °C |
| **最大出气口压力** (绝对压力) | 1.1 bar |
| **进气口连接** | **软管喷嘴接头** DN 8-10 mm |
| **出气口连接** | **软管喷嘴接头** DN 8-10 mm |
| **冷却液接口** | 2**个** DN 6-8 mm **软管喷嘴接头** |
| **额定电机功率** | 0.08 kW |
| **额定转速** 50/60 Hz | 1500/1800 $min^{-1}$ |
| **防护等级** | IP 40 |
| **尺寸（长x宽x高）** | 316 mm x 239 mm x 405 mm |
| **重量** | 11 kg |
| **噪音水平** 50 Hz/1500 Upm/62% (VARIO)/1500 Upm (VARIO-SP)/12500 Upm (VACUU·PURE®) | 45 dBA |
| ATEX**规格** | II 3/- G Ex h IIC T3 Gc X Internal Atm. only |
| NRTL **标准** | **是** |

技术参数如有变化,恕不另行通知

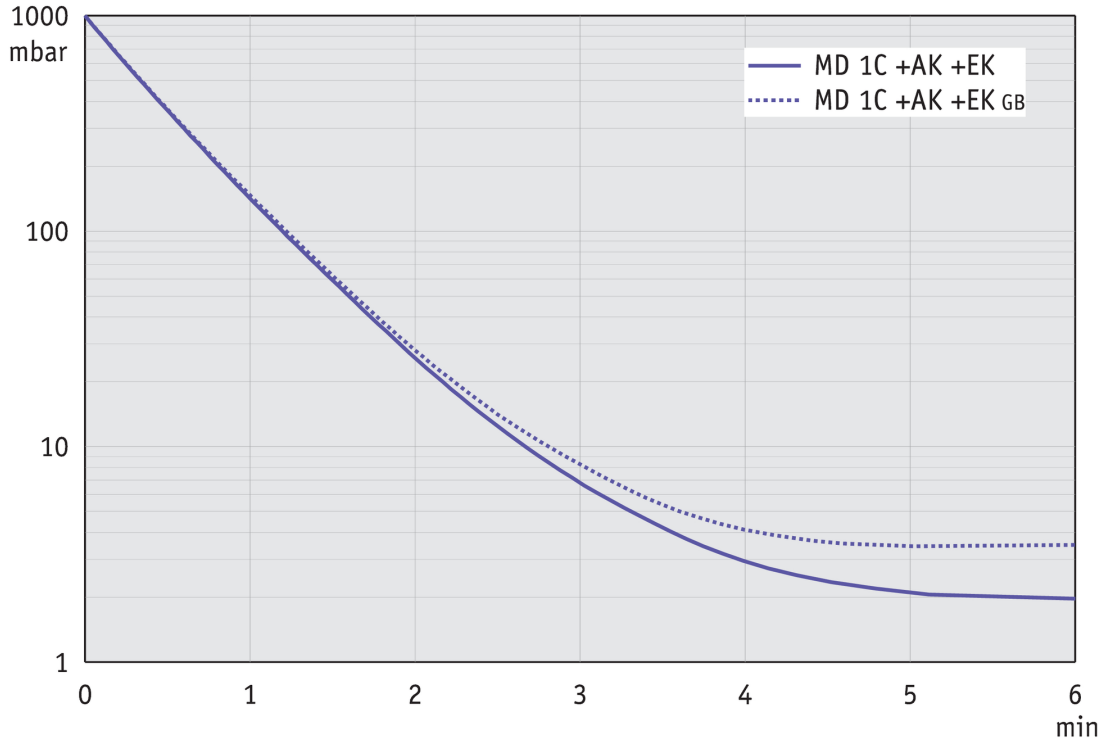
© VACUUBRAND GMBH + CO KG | 2026

网站链接:
https://shop.vacuubrand.com/vp-54

## 50 Hz下的抽速曲线



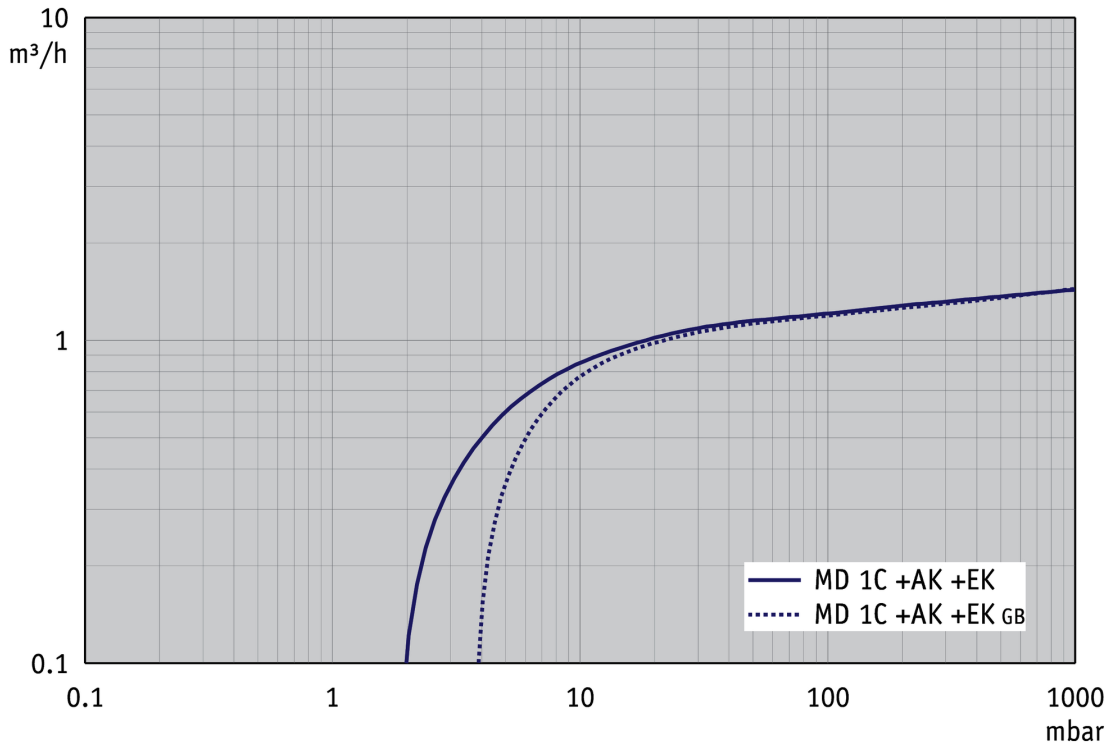

## 50 Hz下的抽气曲线 （10升容积）



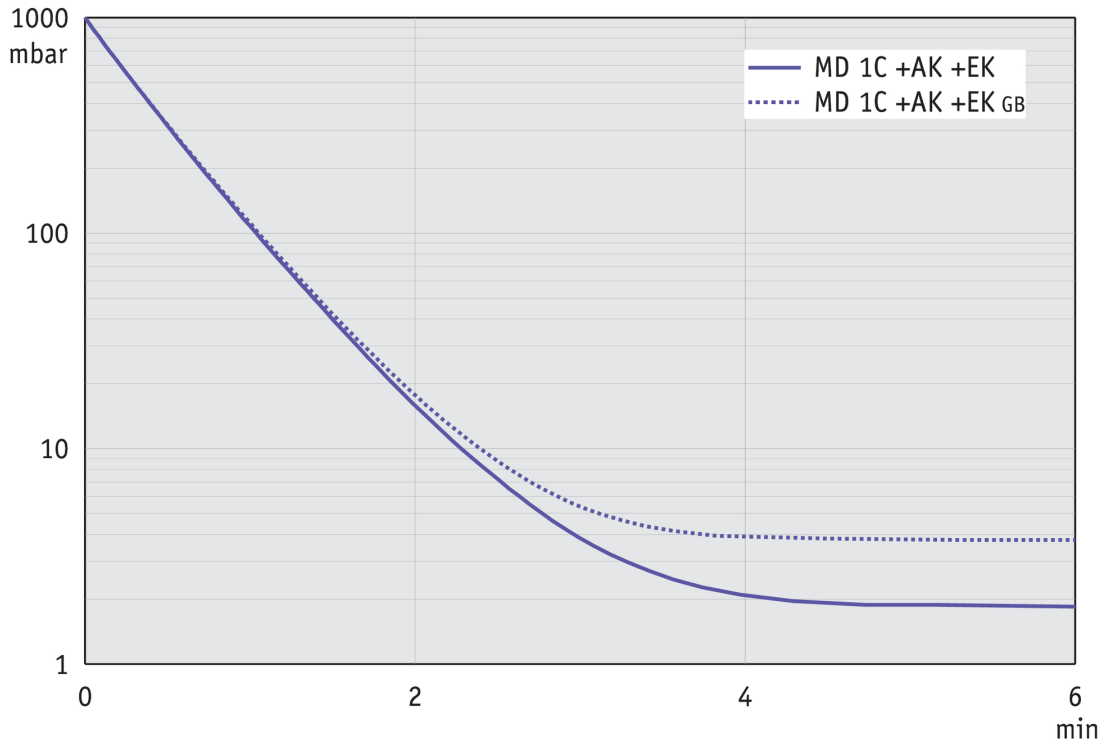


© VACUUBRAND GMBH + CO KG | 2026

## 60 Hz下的抽速曲线




## 60 Hz下的抽气曲线 （10升容积）

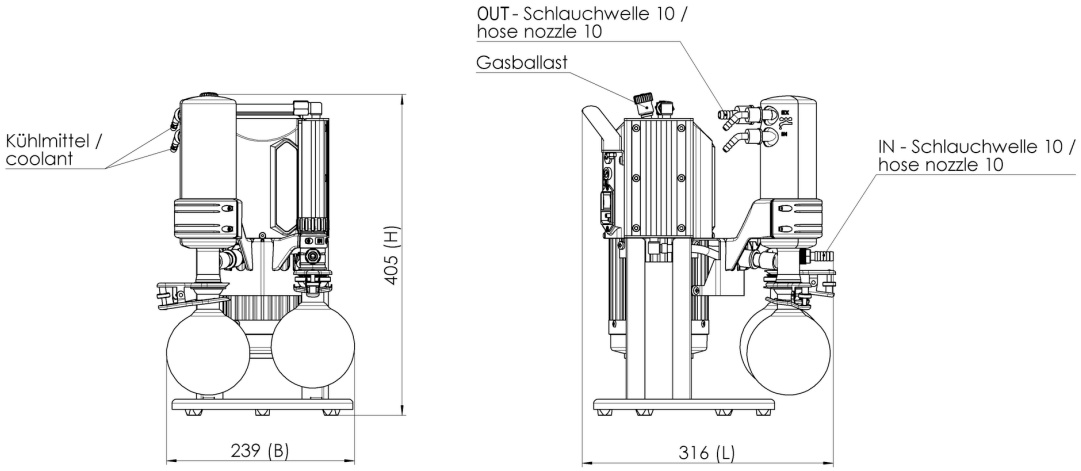




© VACUUBRAND GMBH + CO KG | 2026

# 尺寸规格表






VACUUBRAND MD 1C +AK+EK
Version 05

Alle Maße / all dimensions [mm]


© VACUUBRAND GMBH + CO KG | 2026

网站链接:
https://shop.vacuubrand.com/vp-54

VACUUBRAND GMBH + CO KG
P.O. Box 1664
97877 Wertheim
T +49 9342 808 5550
F +49 9342 808 5555

info@vacuubrand.com
www.vacuubrand.com

VACUUBRAND

VACUUBRAND is part of the Brand group, a manufacturer of high-quality and innovative laboratory equipment and vacuum technology with a global team of approx. 1,000 employees.

With highly motivated and qualified employees, we manufacture the world's most comprehensive product family for vacuum generation, measurement and control for the rough and fine vacuum range in the laboratory.

**All with one goal:**
Enabling our customers to run reliable, safe and efficient processes. This is why we commit ourselves to continuous innovation, first-class performance, and outstanding quality.

Engineering excellence is central to our ability to deliver products and solutions renowned for their quality, durability, and reliability. Innovative technology, high quality materials and extensive testing deliver unmatched performance - engineered and manufactured in Germany.

Together with you, our experts will find the best solution for your application and provide you with first-class service along the way.

© VACUUBRAND GMBH + CO KG

BRAND (Shanghai) Trading Co., Ltd.
Shanghai, China

T +86 21 6422 2318
info@brand.com.cn
china.brand.com.cn

BRAND Scientific Equipment Pvt. Ltd.
Mumbai, India

T +91 22 42957790
customersupport@brand.co.in
www.brand.co.in

BRANDTECH® Scientific, Inc.
Essex, CT. United States of America

T +1 860 767 2562
info@brandtech.com
www.brandtech.com

BRANDGROUP®