

# VARIO® 变频化学真空系统

## PC 3004 VARIO select

[网站链接](#)

### 产品说明

PC 3004 VARIO select真空系统能精确控制真空度，以实现无与伦比的工艺过程控制。该泵抽速大，极限真空度高，适用于要求较高的高沸点溶剂应用。集成式的VACUU-SELECT真空控制器搭配了简单易用、基于应用程序的用户界面，内嵌了所有常见的实验室真空应用。VACUU-SELECT真空控制器可满足您所有要求。对于简易实验过程可手动修改控制参数，也可进行全自动蒸馏，或者通过简单的“拖放”操作编辑创建自己的应用程序。在溶剂蒸发过程中，VACUU-SELECT真空控制器能够持续探测溶剂沸点，并按需自动调节真空过程。该变频控制方法在保持电机运行不超过所需速度的情况下，同时能保持所需的真空度。这能防止碰撞和起泡，使泵运行安静，延长维护间隔时间。进气口分离瓶由玻璃制成，外覆一层保护膜，能防止颗粒和液滴进入泵内，防止泵损坏，延长泵的使用寿命。当连接冷水管道或循环制冷机时，出气口废气冷凝器可以实现溶剂将近100%回收，从而实现循环经济和环境保护。

### 性能特点

- 配置图形用户界面及预定义应用的VACUU-SELECT真空控制器能简化实验室工作
- 自动沸点探测及真空度调节能够缩短反应时间
- 性能强劲的真空泵能满足使用大多数高沸点溶剂的高真空要求
- 优异的环境友好性，极低的能源损耗和高效的溶剂回收率

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      |
|----------------------|----------------------|--------|----------|
| PC 3004 VARIO select | 200-230 V   50-60 Hz | CH     | 20737551 |

货品配置

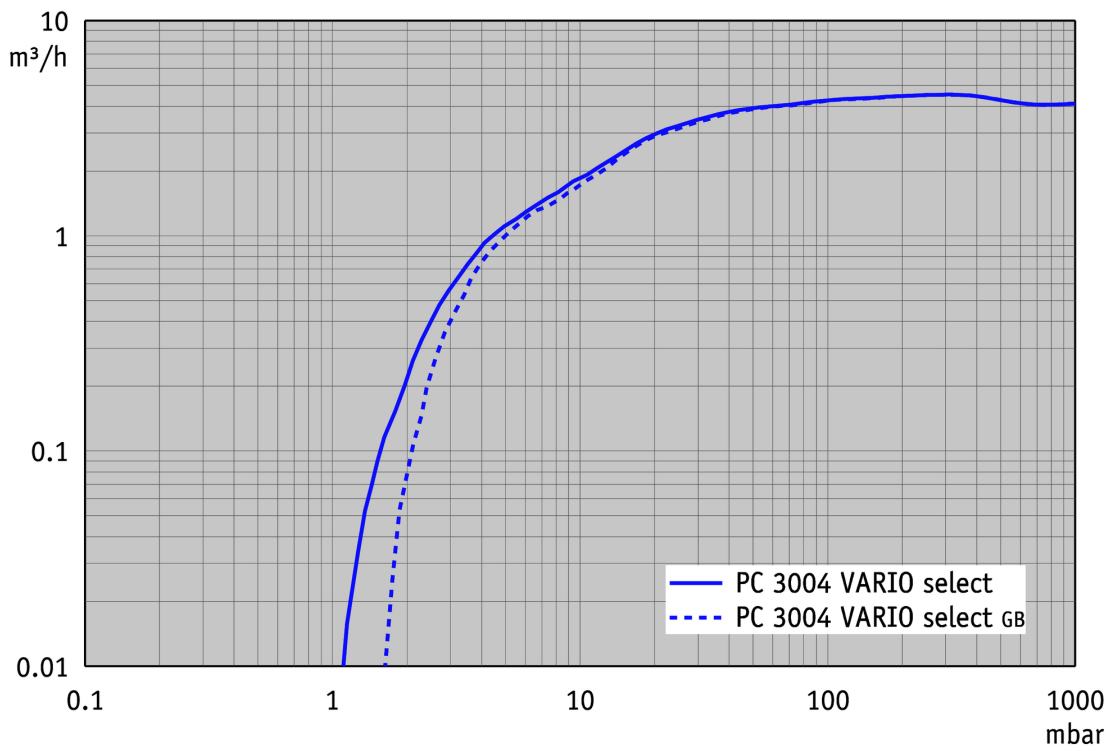
配件

- VACUU·SELECT**用户管理** VACUU·SELECT User Management (20700900)
- **透明真空管** DN 8 mm (20686061)
- VACUU·LAN®**模块** DN 10/8 mm (20637873)
- **用于收集瓶的液面探测传感器** 500 ml (20699908)
- **冷凝水阀** VKW-B (20674220)
- **密封圈套装** MD 4C NT/VARIO / PC 3003 / PC 3004 (20696870)
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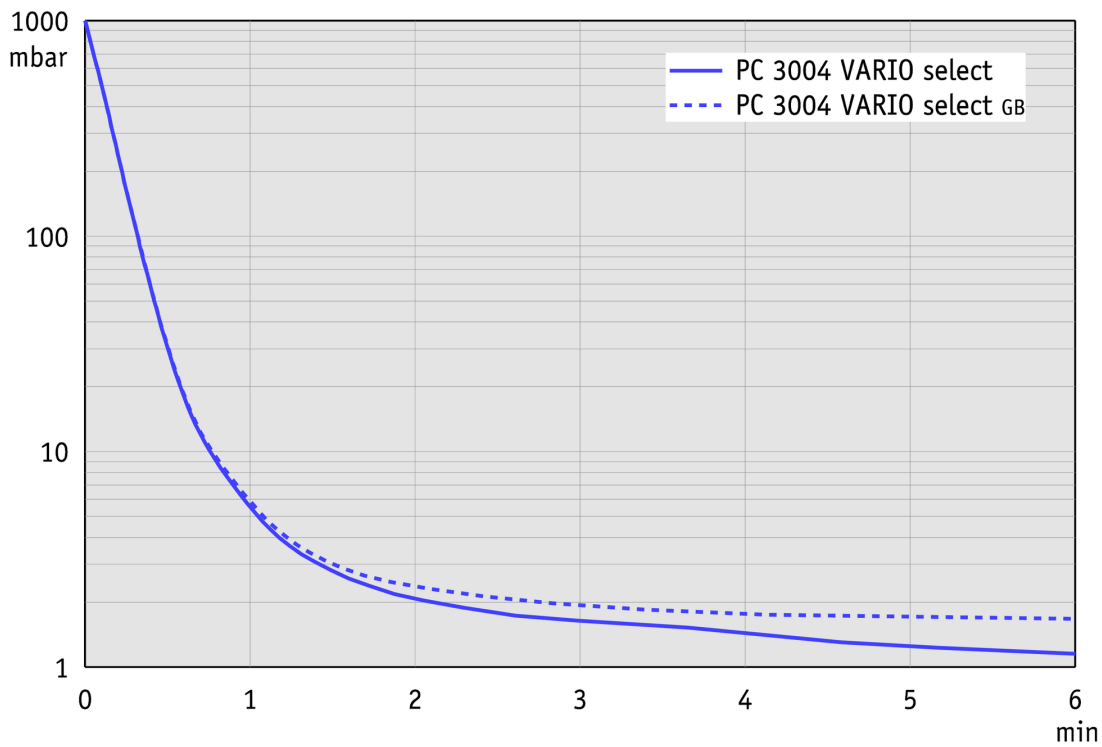
技术指标

| 50 Hz 最大抽速 (mbar)                                                           | 4.6 m³/h                                                                                                         |
|-----------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| 60 Hz 最大抽速 (cfm)                                                            | 2.7 cfm                                                                                                          |
| 极限真空                                                                        | 1.5 mbar / 1.1 torr                                                                                              |
| 极限真空, 使用气镇                                                                  | 3 mbar / 2.2 torr                                                                                                |
| 泵头数                                                                         | 4                                                                                                                |
| 泵级数                                                                         | 3                                                                                                                |
| 真空控制器                                                                       | VACUU-SELECT                                                                                                     |
| 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                                                                      | 0.53 kW                                                                                                          |
| 电机转速范围                                                                      | 30 - 2400 min <sup>-1</sup>                                                                                      |
| 防护等级                                                                        | IP 20                                                                                                            |
| 尺寸 (长x宽x高)                                                                  | 419 mm x 243 mm x 457 mm                                                                                         |
| 重量                                                                          | 21.1 kg                                                                                                          |
| 噪音水平 50 Hz/1500 Upm/62% (VARIO)/1500 Upm (VARIO-SP)/12500 Upm (VACUU-PURE®) | 43 dBA                                                                                                           |
| ATEX规格                                                                      | II 3/- G Ex h IIC T3 Gc X Internal Atm. only                                                                     |
| NRTL 标准                                                                     | 否                                                                                                                |
| 通讯                                                                          | Ethernet (RJ45): Modbus TCP / USB (Type A): Data transfer, software update, RS-232 (additional adapter required) |

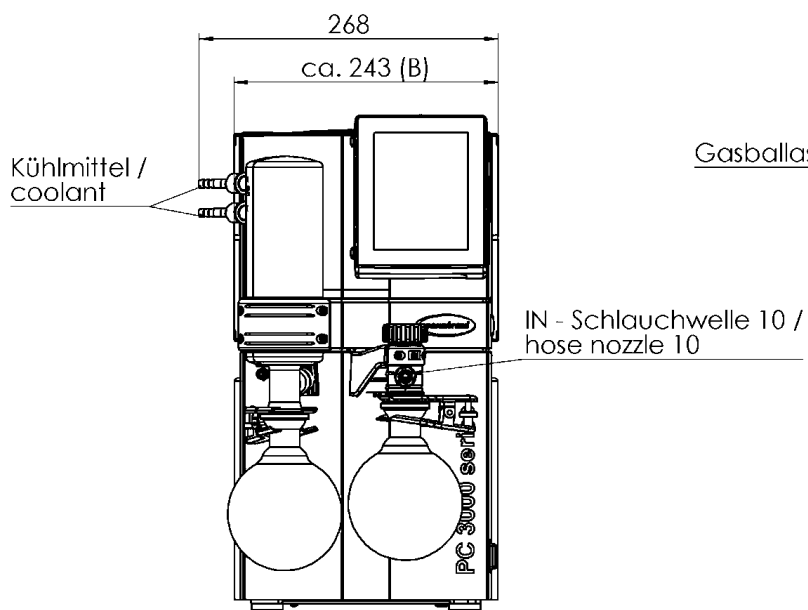
## 50 Hz下的抽速曲线



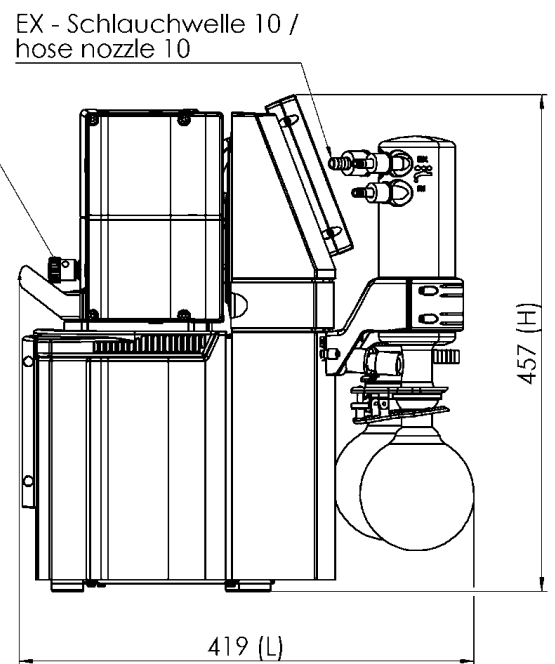
## 50 Hz下的抽气曲线（10升容积）



## 尺寸规格表



Alle Maße / all dimensions (mm)  
Gewicht / weight: ca. 21,1 kg



VACUUBRAND PC 3004 select  
Version 2017/08/23

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