



designed for scientists



VC 10 lite

/// 参数列表

Speed-controlled, universal vacuum controller for controlled evacuation of air (gas) from laboratory equipment, as well as for classical separation, filtration or drying tasks in the laboratory. The controller is ready-to-use in numerous applications and can be easily installed.

VC 10 lite is only compatible with the vacuum pump VACSTAR digital. A cable connection between pump and controller is required.

Manual and Programmable Mode available.



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Features:

- Valve cleaning function for long service life
- Integrated ventilation valve for simple pressure equalization and aeration with inert gas after process completion
- VENT short key button allows pressure equalization during a running process
- Program function: up to ten user-defined programs can be saved, with up to ten pressure/time sequences
- USB / RS232 interfaces for connection with the laboratory software labworldsoft®
- Electronic control system for improved process efficiency and higher solvent recovery rate
- High energy efficiency thanks to device-to-device communication (vacuum controller to recirculating chiller)

For additional safety for users and environment, the use of the VSE 1 vacuum safety emission condenser is recommended, which prevents solvents from being released into the room air. The VSE 1 is available as an accessory.

技术参数

入口连接直径 [mm]	8
出口连接直径 [mm]	8
放气口管径 [mm]	8
输入压力 [mbar]	1 - 1050
溶剂数据库	是
模拟速度真空控制	是
显示屏	TFT
压力单位/刻度	mbar, hPa, mmHg, Torr
真空传感器	是
真空传感器类型	陶瓷Al2O3
压力传感器的最大压力 [bar]	1.6
测量范围(绝对) [mbar]	1 - 1100
控制范围 [mbar]	1 - 1100
压力显示精度 [mbar]	1
测量不确定性 [mbar]	1
介质温度(气体) [°C]	5 - 40
排气阀	是
最大温度范围 [°C]	200
温度测量精度 [K]	1
温度测量精确性 [K]	±1
计时器	是
最少设置时间 [s]	1
最大设置时间 [min]	6000
真空速度控制界面	VACSTAR
物料接触部分材料	Al2O3, PTFE, FPM, PPS
外壳材质	PBT
紧固件	支架/夹具
紧固件直径 [mm]	16
自动模式	是
手动模式	是
泵%模式	是
程序模式	是
图形功能	是
Chiller control	是
Vacuum leakage test	是
外形尺寸 [mm]	95 x 150 x 110
重量 [kg]	1.284
允许环境温度 [°C]	5 - 40
允许相对湿度 [%]	80
DIN EN 60529 保护方式	IP 20
RS 232接口	是
USB接口	是
电压 [V]	100 - 240
频率 [Hz]	50/60
仪器输入功率 [W]	24
仪器输入功率 待机 [W]	2
直流电压 [V=]	24
电流消耗 [mA]	1000



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