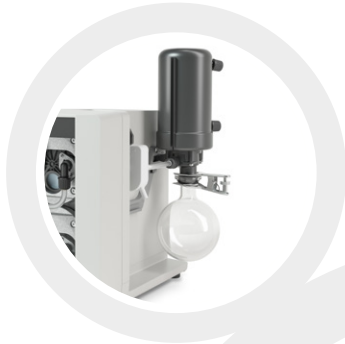




# Vacuum Pump V-300

## The economical and silent vacuum source

The chemically resistant PTFE diaphragm vacuum pump impresses with its very silent and economical operation. With a flow rate of 1.8 m<sup>3</sup>/h and an ultimate vacuum of 5 mbar, it is optimally suited to be combined with the Rotavapor® R-300.



### Convenient

Silent operation and level detection of receiving flask



### Reliable

High quality materials and easy detection of condensate and particles



### Extendable

Seamless plug & play integration into a Rotavapor® R-300 system



## Vacuum Pump V-300

Key features and advantages





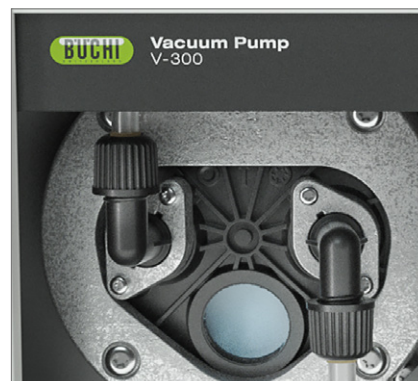
### Seamless Integration

Integrate the V-300 seamlessly into a Rotavapor® R-300 system where the vacuum is centrally controlled by the Interface I-300 / I-300 Pro.



### Speed-controlled

A set vacuum is achieved very precisely by means of speed-control operation. Due to the absence of sudden pressure changes bumping is minimized.



### Visible membranes

Condensed solvents or particles are easily visible thanks to the transparent front panel.



### Quiet operation

Thanks to speed-control, the pump operates smoothly to keep the set vacuum. This results in very low noise emission (32 dB).



### Secondary condenser

The optional post-pump condenser captures vapor which is otherwise released into the lab atmosphere.



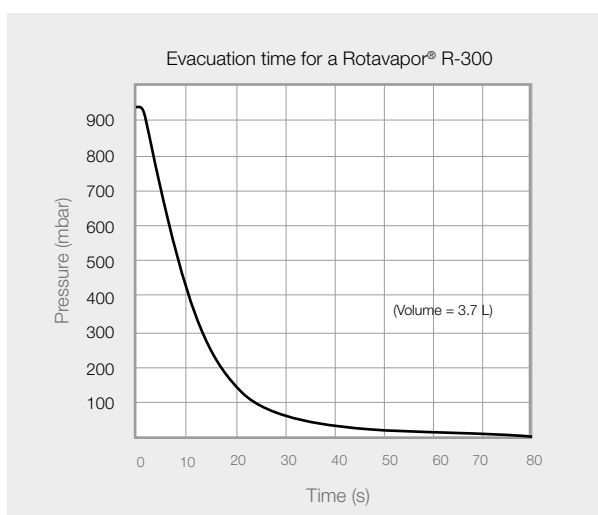
### Level sensor

In combination with the Interface I-300 / I-300 Pro an optional sensor alerts the operator to empty the receiving flask when required.

## Performance data

With a flow rate of 1.8 m<sup>3</sup>/h and a final vacuum of 5 mbar the Vacuum Pump V-300 is optimally suited to be combined with a rotary evaporator.

Ultimate vacuum: 5 mbar ± 2 mbar  
Suction capacity: 1.8 m<sup>3</sup>/h



## V-300: Your most important benefits



### Convenient

- Quiet operation thanks to speed regulation
- Unattended operation in combination with Interface I-300 / I-300 Pro when combined with optional level sensor for secondary condenser that alerts potential overflow of the receiving flask



### Reliable

- High chemical resistance due to the use of high quality materials
- Increased lifetime thanks to speed-controlled operation in conjunction with the optional Interface I-300 / I-300 Pro
- Easy visual detection of condensate and particles due to transparent front panel



### Extendable

- Seamless plug & play integration into:
  - A speed-controlled vacuum system with Interface I-300 / I-300 Pro
  - A fully automated BUCHI Rotavapor® R-300 system including all process parameters

## Complete your portfolio



**Interface I-300 / I-300 Pro**  
Convenient process regulation and monitoring



**Rotavapor® R-300**  
Convenient and efficient rotary evaporation



**Multivapor™ P-6 / P-12**  
Efficient evaporation for multiple samples



**Recirculating Chiller F-305 / F-308 / F-314**  
The efficient and water saving way of cooling





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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.

**[www.wolflabs.co.uk](http://www.wolflabs.co.uk)**

**Tel : 01759 301142**

**Fax : 01759 301143**

**[sales@wolflabs.co.uk](mailto:sales@wolflabs.co.uk)**

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