



# 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





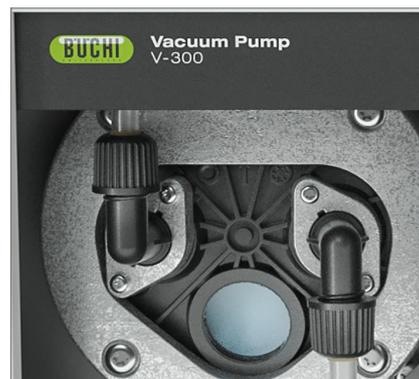
### Seamless Integration

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.



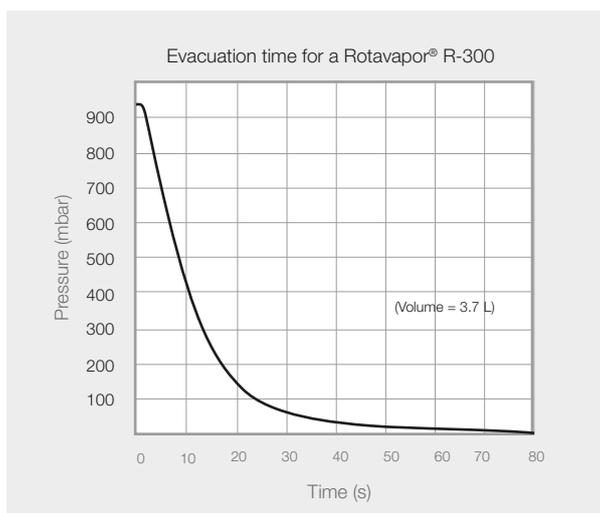
### Level sensor

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 an ultimate 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

