



Vacuum Pump V-100

Economical vacuum source

The V-100 is an economical and chemical-resistant vacuum pump with a space saving design. It covers the essential needs in vacuum generation.



Economical
Designed to meet essential needs



Convenient
Light weight and compact design



Reliable
Long lasting due to use of high quality materials



V-100: Your most important benefits



Economical

- Effective vacuum source for limited budgets
- Small footprint saves valuable laboratory space
- Useable for multiple applications:
 - Evaporation
 - Drying and concentration
 - Suction straining and filtration



Convenient

- Light weight and compact design with integrated carrying handle
- High uptime due to low maintenance
- Accurate vacuum regulation thanks to optional interface



Reliable

- High chemical resistance thanks to use of quality materials
- Maximum longevity due to:
 - Robust and stable design
 - Integrated ECO² mode

Complete your portfolio



Rotavapor®
R-100
Economical evaporation



Interface
I-100
Economical vacuum
regulation



Recirculating Chiller
F-100 / F-105
The easy way of cooling



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





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 m³/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





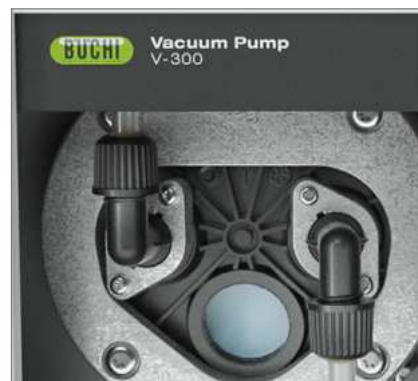
Seamless Integration

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.



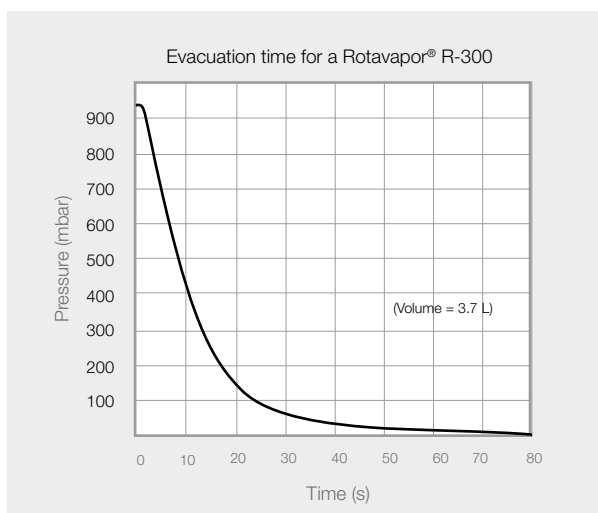
Level sensor

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 m³/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 m³/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





Vacuum Pump V-600

The powerful and quiet vacuum source

The powerful and quietly operating three-stage PTFE diaphragm vacuum pump is robust and chemically resistant. It operates at the maximum flow rate of 3.1 m³/h and achieves an ultimate vacuum of 1.5 mbar. Thanks to its high flexibility, the Vacuum Pump V-600 can be integrated effortlessly into any BUCHI laboratory or industrial evaporator for utmost efficiency.



Convenient

Quiet operation and level detection of receiving flask



Robust and reliable

High quality materials and easy detection of condensate and particles



Extendable

Seamless plug & play integration into industrial or laboratory evaporator systems



Vacuum Pump V-600

Key features and advantages





Quiet operation

Smooth functioning at low noise levels (40 dB) is guaranteed thanks to speed-control to keep the set vacuum.



Speed control

Speed control allows for the precise achievement of the set vacuum, while avoiding sudden pressure changes and minimizing bumping effects.



Easy particle detection

Pump membranes are visible through the transparent front panel enabling easy detection of condensed solvents or particles.



Increased safety

The optional level sensor, combined with the Interface I-300 / I-300 Pro, alerts the operator to empty the receiving flask when required.



Clean emission

The optional secondary condenser captures vapor preventing uncontrolled release into the laboratory atmosphere.



Seamless integration

The plug & play feature ensures easy integration into any BUCHI evaporator system and direct control from the central interface enhances usability.

A powerful vacuum source for numerous applications

The Vacuum Pump V-600 is able to generate ultimate vacuum of 1.5 ± 1 mbar and has an effective flow rate of $3.1 \text{ m}^3/\text{h}$. Its powerful features and flexible integration options make it an ideal partner for the combination with industrial and laboratory rotary evaporators, as well as parallel evaporators. It can further be used as vacuum system for desiccators, ovens, vacuum filtration systems and many more.



Intelligent and ecological BUCHI solution

V-600: Your most important benefits



Convenient

- Quiet and smooth operation thanks to speed regulation
- Unattended and safe operation with alerts for potential overflow of the receiving flask, when combined with optional level sensor



Robust and reliable

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



Extendable

- Seamless plug & play integration into:
 - a laboratory Rotavapor® R-300 system with one or two rotary evaporators
 - an industrial Rotavapor® R-220 Pro system for large volume
 - a parallel evaporation system Syncore® or Multivapor™ for simultaneous evaporation of multiple samples

Complete your portfolio



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



Rotavapor®
R-300
Convenient and efficient
rotary evaporation



Rotavapor®
R-220 Pro
Best performance
production scale



Syncore®
Analyst
Maximize multiple
sample workup efficiency

