



## **Rotavapor® R-300**

# **Pre-installation Checklist**

The following checklist will assist you in site preparation for your BUCHI instrument. Careful attention to the requirements presented in this document will help simplify instrument installation and ensure that the instrument operates as it was designed.



# Rotavapor® R-300

## Pre-installation checklist

All appropriate items in this checklist must be completed, signed and returned to BUCHI. Re-turn your checklist as soon as your laboratory is ready and functional for prompt installation of your Rotavapor® R-300. If you are performing self-installation, please check the box for self-installation on page 4 and return the form to BUCHI.

### Environmental requirements

Place the Rotavapor® R-300 in a well ventilated room or fume hood.

Ambient temperature of 5 °C to 35 °C.

Relative humidity  $\leq$  70%.

### Space requirements

Enough space as defined below: (Width x Depth x Height).

For the Rotavapor® R-300 with a V condenser assembly: 610 x 430 x 950 mm.

For the Rotavapor® R-300 with a cold trap assembly: 630 x 430 x 920 mm.

For all other condenser assemblies refer to the technical data sheet for information.

For the Vacuum Pump V-300: 200 x 325 x 300 mm.

For the Vacuum Pump V-600: 330 x 325 x 300 mm.

Include additional depth for optional secondary condensers.

For the Recirculating Chiller F-305: 280 x 400 x 500 mm.

For the Recirculating Chiller F-308: 400 x 500 x 580 mm.

For the Recirculating Chiller F-314: 400 x 500 x 660 mm.

Allow at least 40 cm of space between the recirculating chiller and the wall and 40 cm in front of the chiller for sufficient airflow and proper cooling of the chiller.

Allow additional space around the instrument for a comfortable working environment, pre-paring samples, removing glassware, etc. Take into account any additional obstacles in the area such as gas taps, water taps, drains, sloping ceilings in enclosures, etc.

# Rotavapor® R-300

## Pre-installation checklist

### Location of the unit

The unit must be installed on a clean, stable, and level surface.

If using a condenser assembly V, A, E, BY or HP without a recirculating chiller then the system should also be within 1.0 m of the cooling water supply. Cooling water needs to operate with unobstructed flow with no more than 2 bar of pressure. The cooling water tap needs to have a connection suitable for pushing on and securing a 6 mm ID / 9 mm OD hose. A drainage sink able to keep secure a drainage hose should also be available.

### Power requirements

A Rotavapor® R-300 requires two standard 100–240 VAC  $\pm$  10% 50/60 Hz mains electricity sockets (one for the Rotavapor® R-300 and one for the B-300 bath base).

Each accessory (Vacuum Pump, Recirculating Chiller) requires its own standard 230 V mains electricity socket.

All mains electricity cables and plugs are supplied.

### Other requirements

When using a recirculating chiller, take into account the chiller temperature setting when selecting a coolant. A 40:60 ethylene glycol to water mixture that does not freeze until -16 °C is recommended. Allow 6 L for an F-305, 8 L for an F-308 or 10 L for an F-314; this allows enough to fill the chiller and condenser while also leaving enough for future use.

Dry ice / EtOH (If a cold trap condenser is being used).

For optional connection to the BUCHI Cloud, an Ethernet cable connected to the internet is required.

### Detailed Technical requirements

I have reviewed the detailed Technical Data on [www.buchi.com/en/support/downloads](http://www.buchi.com/en/support/downloads)  
My facility fulfills the required specifications.

# Rotavapor® R-300

## Pre-installation checklist

### Facility sign-off

Return your checklist as soon as your facility is ready and functional for prompt installation of your Rotavapor® R-300.

Environmental Requirements as specified for your facility.

Space Requirements.

Power Requirements.

Other Requirements.

### Please enter the following information and sign below:

Company name

Customer name

Email address

Purchase order n°.

I certify that the preparations required for the installation of the Rotavapor® R-300 have been completed and functional as described in the Rotavapor® R-300 document.

**I further acknowledge that if any of these requirements are not ready by the agreed upon installation date and I have not rescheduled the installation, then I will be responsible for any additional costs relating to the installation of the system.**

Customer signature

Date

Please sign and return by fax or email to BUCHI as soon as your laboratory is ready for installation:

**Attention:** Find your BUCHI affiliate or partner on: [www.buchi.com/en/worldwide](http://www.buchi.com/en/worldwide)

**If you have any questions or queries, then please do not hesitate to contact us.**

# Core messages to our customers

## BUCHI creates added value

“Quality in your hands” is the guiding principle that shapes our philosophy and our actions. It challenges us to provide outstanding services that are precisely tailored to your needs. This means that we must stay in close contact with our customers. That is why we keep in touch and continue to work very hard to understand you and your business even better.

We help you by providing high-quality products, systems, solutions, applications and services that offer you added value. This allows you to focus entirely on your processes and your work.



### Competent

We have the technological expertise and decades of experience needed to provide competent support and work with you to continually improve our services.



### Reliable

We guarantee the quality and functionality of our equipment and will continue to help you quickly and efficiently whenever something does not operate to your satisfaction.



### Safe

By collaborating closely with you, we do everything in our power to make our products, systems, solutions, applications and services as safe as possible for people and the environment.



### Cost-effective

We strive to create a high level of economic benefit and maximum added value for you.



### Global

As an international family-owned business with own subsidiaries and qualified distributors, we have a presence wherever you are located.



### Easy

We support you by providing carefully designed solutions as well as instruments and systems that are easy to operate.



### Sustainable

We support environmentally friendly processes and manufacture products that have a long service life. We utilize advanced technologies to leave the smallest environmental footprint possible.

---

We are represented by more than 100 distribution partners worldwide.  
Find your local representative at:

[www.buchi.com](http://www.buchi.com)

Quality in your hands

