



Rotavapor® R-100 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-100 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-100. If you are performing self-installation, please check the box for self-installation on page 3 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-100 620 x 510 x 900 mm.

For the Vacuum Pump V-100: 220 x 350 x 420 mm.

For the Recirculating Chiller F-100 or F-105: 280 x 420 x 500mm

Keep the recirculating chiller as close as possible to the Rotavapor® R-100 to ensure that the coolant tubing can be kept to a minimum length.

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, preparing 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...



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Location of the unit

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

If using a condenser assembly V without a recirculating chiller then the system should also be within 1.0m 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 6mm ID / 9mm OD hose. A drainage sink able to keep secure a drainage hose should also be available.

Power requirements

A Rotavapor® R-100 requires one standard 100 – 120 V or 220 – 240 V 50/60Hz mains electricity socket

Each accessory (Vacuum Pump V-100, Interface I-100, Recirculating Chiller F-100 or F-105) requires its own standard 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. Allowing for 6L of coolant gives enough to fill the chiller and condenser while

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

Detailed Technical requirements

I have reviewed the detailed Technical Data on www.buchi.com/media-center.
My facility fulfills the required specifications.



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Facility sign-off

Return your checklist as soon as your facility is ready and functional for prompt installation of your Rotavapor® R-100

Environmental Requirements as specified for your facility

Space Requirements

Power Requirements

Other Requirements

Self-Installation

Please enter the following information and sign below:

Company name

Customer name

Contact number

Purchase order no.

I certify that the preparations required for the installation of the Rotavapor® R-100 have been completed and functional as described in the Rotavapor® R-100 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: <https://www.buchi.com/en/worldwide>

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



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Quality in your hands

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