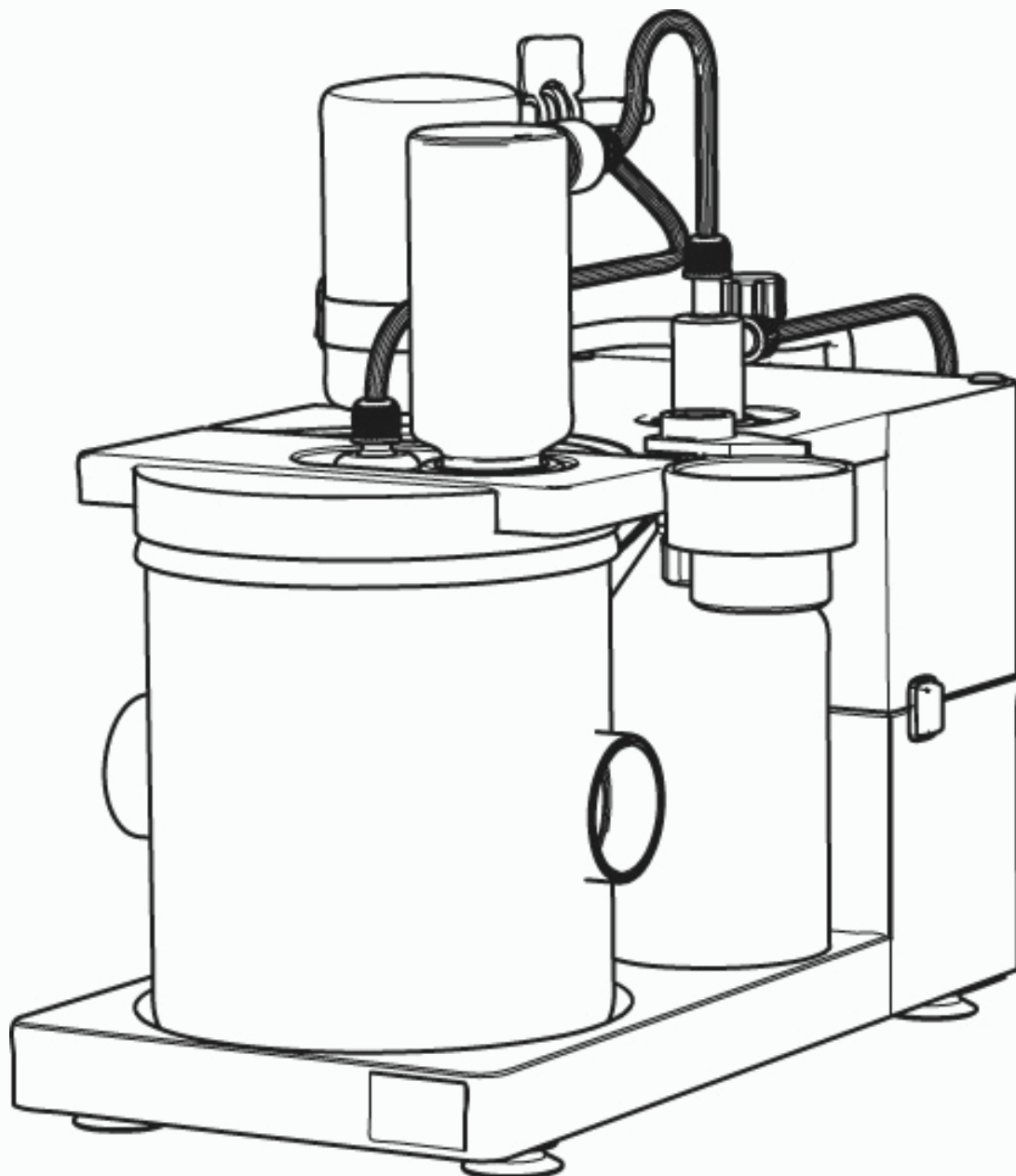




Scrubber K-415

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.

Scrubber K-415

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 Scrubber K-415. If you are performing self-installation, please check the box on page 2 for self-installation below and return the form to BUCHI.

Environmental requirements

The Scrubber K-415 should be placed in a fume hood for secondary containment.

The Scrubber K-415 should be placed on the left hand side of the digestion unit.

Ambient temperature of 5 °C to 40 °C.

Relative humidity $\leq$ 80% (up to 31 °C).

Space requirements

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

For the DuoScrub K-415: 250 x 530 x 415 mm.

For the TripleScrub K-415: 350 x 530 x 420 mm.

For the TripleScrubECO K-415: 350 x 550 x 420 mm.

For the QuadScrubECO K-415: 350 x 550 x 450 mm.

Allow additional space around the instrument for a comfortable working environment, preparing samples, solvent & waste bottle, etc. Take into account any additional obstacles in the area such as gas taps, water taps, drains, sloping ceilings in enclosures, etc.

Location of the unit

Place the Scrubber Unit K-415 on a clean, level, vibration free surface.

Scrubber K-415

Pre-installation checklist

Power requirements

The Scrubber K-415 requires its own standard 230 V $\pm 10\%$, 120 V $\pm 10\%$ or 100 V $\pm 10\%$, 50/60 Hz mains outlet socket. A standard mains cable is supplied.

Other requirements

A cooling water source is required with a maximum pressure of 4 bar. The flanged screw coupling to the water source has a standard screw thread of $\frac{1}{2}$ " MNPT.

Reagents requires:

- Sodium hydroxide solution 8–10% (w/v), 20% max or sodium carbonate solution (dissolve 600 g of NaCO_3 in 3 L of warm distilled water or dissolve 1.7 kg Na_2CO_3 – 10 H_2O in 3 L warm distilled water). 3 L needed.
- Glass wool, 1 packet.
- Activated charcoal with a particle size of 2 to 6 mm. 500 g.
- Bromothymol blue indicator, 50 mg.

Recommended accessories:

- Power jumper cable to control Scrubber with the BUCHI digestion units K-446 / K-449 / K-439. Order Code: 030973.

Additional application tools:

- Kjel Optimizer App: Available for free from GooglePlay, iTunes or WindowsPhone.
- Kjeldahl Guide. Comprehensive guide covering aspects of the theoretical and practical knowhow (Order n°: 11055033).
- Kjeldahl Practice Guide. Provides theoretical background information, useful hints and calculation tables for daily routine work (Order n°: 11592548).

Detailed Technical requirements

I have reviewed the detailed Technical Data on www.buchi.com/en/support/downloads.
My facility fulfills the required specifications.

Scrubber K-415

Pre-installation checklist

Facility sign-off

Return your checklist as soon as your facility is ready and functional for prompt installation of your Scrubber K-415.

Environmental Requirements as specified for your facility.

Space Requirements.

Power Requirements.

Other Requirements.

Self-Installation.

Please enter the following information and sign below:

Return your checklist as soon as your facility is ready and functional for prompt installation of your Scrubber K-415.

Company name

Customer name

Email address

Purchase order n°.

I certify that the preparations required for the installation of the Scrubber K-415 have been completed and functional as described in this 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

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.
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Quality in your hands

