



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.



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Power requirements

The Scrubber K-415 requires its own standard 230V $\pm 10\%$, 120V $\pm 10\%$ or 100V $\pm 10\%$, 50/60Hz 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 600g of NaCO₃ in 3L of warm distilled water or dissolve 1.7Kg NaCO₃ – 10H₂O in 3L warm distilled water). 3L needed.
- Glass wool, 1 packet.
- Activated charcoal with a particle size of 2 to 6mm. 500g.
- Bromothymol blue indicator, 50mg.

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

- Kjehl Optimizer App: Available for free from GooglePlay, iTunes or WindowsPhone.
- Kjeldahl Guide. Comprehensive guide covering aspects of the theoretical and practical know-how (Order No: 11055033).
- Kjeldahl Practice Guide. Provides theoretical background information, useful hints and calculation tables for daily routine work (Order No: 11592548).

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 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:

Company name

Customer name

Contact number

Purchase order no.

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: <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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