



KjelSampler K-376 / K-377

**Highest productivity in
steam distillation**



KjelSampler K-376 / K-377

Key features and advantages

The KjelSampler K-376 or K-377 in combination with the KjelMaster K-375 meets upmost demands in high throughput Kjeldahl determination. The system provides a maximum degree of automation and flexibility.



Efficient

- Unattended operation of 24 samples (K-376) or 48 samples (K-377).
- Perfect process synchronization of all steps from digestion to automated sampling.
- Fully automated by the KjelMaster K-375.
- Continuous batch workflow using two independent rack trays (K-377).

Flexible

- “Express rack” privileges high priority samples.
- Automatic or manual operation at any time.
- All BUCHI Sample Tubes to be used (100 mL, 300 mL, 500 mL).



Convenient and safe

- No sample tube cleaning.
- Reliable and clean processing with no glass transfer.
- No contact with chemicals due to automated handling of reagents.
- Smooth and safe sample rack loading at any time.
- Longest glass lifetime due to short exposure to chemicals.



“The highlight of BUCHI’s automated Kjeldahl system is the 48 position autosampler that allows us to work in a continuous way and thus, frees up a lot of time”

Mr. Guillaume Piedor, Manager of the laboratory CAE Grand Ouest, France

KjelSampler K-376

24 sample positions in one rack tray and four express positions.



KjelSampler K-377

48 sample positions in two rack trays and eight express positions.

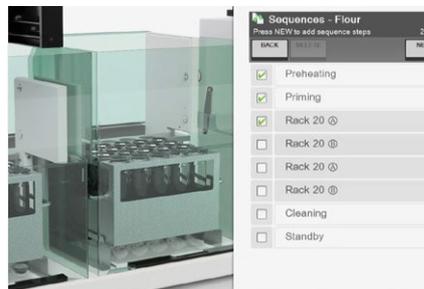
KjelMaster K-375

With glass splash protector and colorimetric sensor.



K-376 / K-377:

Your most important benefits



Highest sample throughput

The accelerated digestion process and the perfect synchronization between KjelDigester, KjelSampler and KjelMaster allows a sample throughput of up to 120 samples in 9 hours.

Convenient and safe workflow

Direct transfer of the sample rack from the KjelDigester K-446 or K-449 to the KjelSampler K-376 or K-377. This automated workflow and sample transfer using steam overpressure avoids any contact with chemicals.

Continuous sample processing

Continuous rack loading with two independently working rack trays in the KjelSampler K-377 saves time.



Integrated sample tube cleaning

During the distillation, steam continuously purges the sample tubes in the KjelSampler. Manual cleaning is not required and contact with chemicals is reduced to a minimum.

Selection of sample tubes

Both the KjelSampler and the KjelMaster allow the use of different sample tube sizes (100 mL, 300 mL, 500 mL) without modification on the instrument.

Flexible operation

Additional “express” positions in the KjelSampler trays for high priority samples or for additional blank samples. The intuitive navigation allows for switching between automated and manual operation.

Sample transfer using steam

The patented “steam overpressure” system transfers digested samples from the KjelSampler to the KjelMaster, allowing unattended analysis of up to 48 samples. Continuous steam purging reduces cleaning, boosts safety, and cuts labor. With no alkali contact, sample tubes last up to 9x longer. The stationary tube design also eliminates lift mechanism maintenance and lowers running costs.

