



KjelSampler K-376 / K-377

Highest productivity in steam distillation

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

Highest sample throughput
and unattended operation



Flexible

Smallest bench
top system



Convenient and safe

No contact with chemicals and
integrated tube cleaning



KjelSampler K-376 / K-377

Key features and advantages



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

«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



Highest sample throughput

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



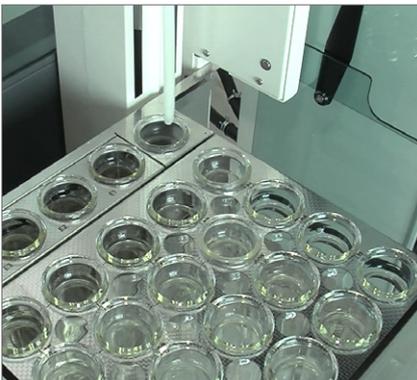
Convenient and safe workflow

Direct transfer of the sample rack from the KjelDigerester 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.



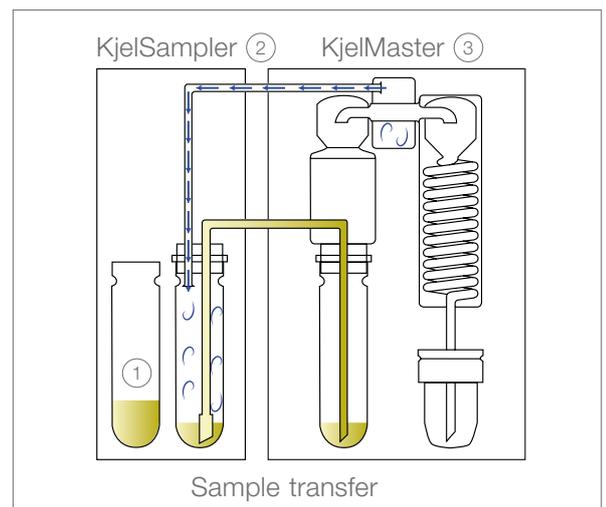
Flexible operation

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 principle “sample transfer using steam overpressure” transfers the digested sample from the sample tube ① in the KjelSampler ② to the KjelMaster ③. It enables unattended determination of 24 samples using the KjelSampler K-376 or 48 samples with the KjelSampler K-377. During the distillation, steam continuously purges the sample tube in the KjelSampler ②. Due to reduced cleaning effort, user safety is increased and the labour time is reduced.

Running costs are lowered and sample tube lifetime is extended by up to nine times, as the sample tubes have no contact with alkali. The concept of non-moving sample tubes eliminates the maintenance costs associated with error-prone lift mechanisms and reduces running costs.



K-376 / K-377: Your most important benefits



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

- Smallest bench top system
- “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

Complete your portfolio



**KjelMaster
K-375**
Steam distillation and
titration



**KjelDigester
K-446 / K-449**
Block digestion



**Scrubber
K-415**
Neutralization



**KjelLink
PC software**
Data management

