



SpeedDigester K-439

# The revolution in sample digestion



# SpeedDigester K-439

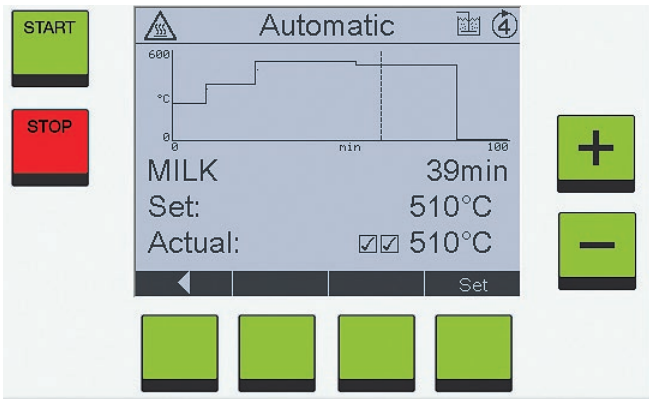
## Key features and advantages

The SpeedDigester K-439 revolutionizes IR digestion. It combines the benefits of IR and block digestion in one unit. Fast nitrogen determination by Kjeldahl digestion at controlled temperatures enables an increased sample throughput. Multiply the instrument functionality whenever needs are changing.



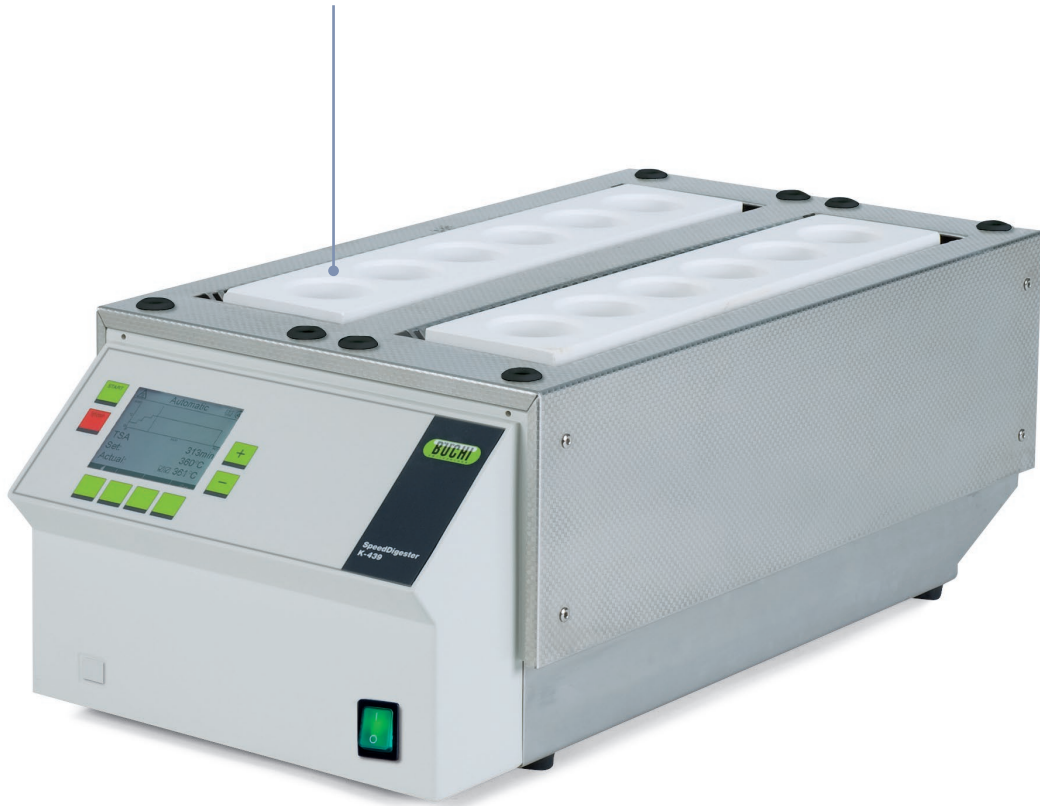
**High speed and throughput**  
Reduce digestion time up to two hours.

**Flexible**  
Use one instrument for multiple applications.



**Excellent reproducibility**  
Programmable temperature profiles.

SpeedDigester K-439



Nitrogen and protein  
(Kjeldahl)



Trace metal and  
hydroxyproline  
(using water reflux  
condensers)



Chemical oxygen  
demand  
(using air reflux  
condensers)



Scrubber K-415  
Neutralization

*"The SpeedDigester is the ideal tool for dealing with medium sample loads for both TKN and heavy metal determinations."*

Municipal Sewage Plant, France

## K-439:

### Your most important benefits



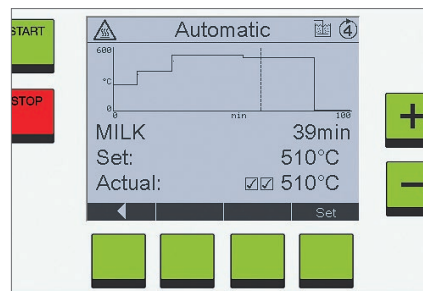
#### Short digestion process

Reduce digestion time up to two hours by fast heating, cooling and the continuous addition of  $H_2O_2$  through the capillary funnels.



#### Application multiplicity

Use the SpeedDigester for multiple applications like Kjeldahl, micro-Kjeldahl, COD, hydroxyproline or aqua regia digestion and choose the appropriate glass assembly.



#### Accuracy

- Accurate temperature control.
- Programmable profiles.
- Digestion process shown graphically.



#### Convenient

Drip tray for convenient and safe storage of the suction modules. Save bench space and store the rack in the cooling position. Storage space of up to 50 different methods including 20 default methods.



#### Perfect fit

Select the suction module that suits your need best.

- Standard: suitable for most applications.
- With condensate trap: perfect for aqueous samples.
- Suction module with capillary funnels: to accelerate the digestions.



#### Safe

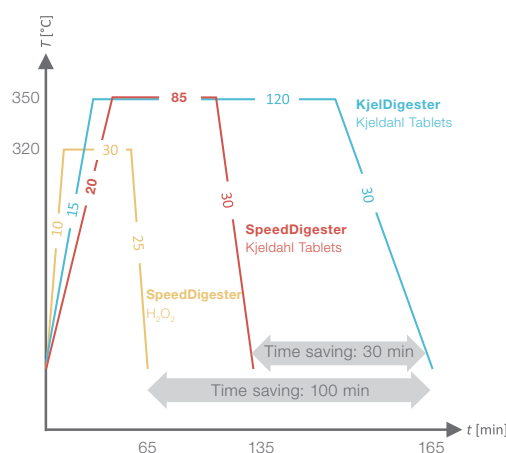
Operation is safe and lifetime of the fume hood is extended. A sealed suction system captures harmful fumes and the Scrubber K-415 neutralizes them.

## Fast and homogenous heating for reproducible results

Digestion is faster and more efficient due to quick heat-up/cool-down times and superior heat transfer compared to block digesters.

Excellent reproducibility is ensured by uniform heating of all sample tubes, thanks to an innovative insulation plate and smart chamber design—without foaming.

Acid fumes are safely captured and removed via a tight suction system and Scrubber K-415, ensuring top safety standards.



Comparison of digestion methods

