8-Hole Kjeldahl Digester, 450°C, ±1°C PID Control, Φ43.5 mm Wells, 1-999 min Timer

Model **MSKJD-8ESWISS** | Brand **Master Science**





The 8-Hole Kjeldahl Digester prepares samples by classical wet digestion before chemical analysis and serves as the companion unit for Kjeldahl nitrogen analyzers. It digests plants, seeds, feed, soil, ores and similar samples for agriculture, forestry, environmental, geology, petroleum, chemical and food laboratories, as well as universities and research institutes.

KEY HIGHLIGHTS

- Uniform Digestion
- High Temperature
- Precise Control
- Corrosion Resistant

AT A GLANCE

±1°C	450°C
TEMPERATURE CONTROL ACCURACY	DESIGN TEMPERATURE

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Overview

Eight Φ43.5 mm wells in a coated 6061 aluminium alloy block reach a design temperature of 450°C, with an improved heating system for better well-to-well uniformity. The 8-Hole Kjeldahl Digester uses an LCD PID controller with ±1°C accuracy, a 1-999 min timed shutdown and alarm, and a welded brushed stainless steel table and tube rack for corrosion resistance.

Capture acid fumes during digestion with our Acid Fume Scrubber, designed to work with the 8-Hole Kjeldahl Digester.

Hot-plate or open-flame digestion causes the issues below. The 8-Hole Kjeldahl Digester fixes each one.

Overview

- LCD temperature controller
- Intelligent PID, ±1°C accuracy
- Timed shutdown 1-999 min
- Alarm function

Key Benefits

Uniform Digestion
The redesigned heating system improves temperature uniformity between wells.

High Temperature
The block reaches 450°C for tough sample matrices.

Precise Control
PID control holds ±1°C with minimal fluctuation.

Corrosion Resistant
Stainless steel table and rack handle acid exposure.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSKJD-8ESWISS
SKU	MSKJD-8ESWISS
Sample Wells	8
Well Diameter	Φ43.5 mm
Heating Block	6061 aluminium alloy, coated surface
Design Temperature	450°C
Temperature Control Accuracy	**±1°C**
Heating Rate	About 8-15°C/min
Controller	LCD, intelligent PID
Timed Shutdown	1-999 min, with alarm
Table and Tube Rack	Welded brushed stainless steel
Power Supply	AC 220 V, 50 Hz
Heating Power	2.1 kW
Weight	18 kg

PROBLEMS THE 8-HOLE KJELDAHL DIGESTER SOLVES

Uneven heating between tubes	The improved block heats wells uniformly.
Overheating or under-digestion	PID control holds ±1°C.
Digestion left running too long	Timed shutdown ends the run automatically.
Rusting racks and frames	Stainless steel resists corrosion.

Applications

Kjeldahl digestion for nitrogen and protein analysis

Digestion of plant, seed and feed samples

Soil and ore digestion before chemical analysis

Food and environmental laboratory sample preparation

Heating

- 8 wells, Φ43.5 mm
- 6061 aluminium alloy block with durable coating
- Design temperature 450°C
- Heating rate about 8-15°C/min

Construction

- Welded brushed stainless steel table
- Stainless steel test tube rack
- 2.1 kW heating power

Standard Accessories Included

- 8-hole Kjeldahl digester main unit
- Stainless steel test tube rack

Optional Accessories

- No optional accessories are listed for this model; contact our team for compatible items.