Kjeldahl Digestion Block, 8 or 20 Wells, 450°C, ±1°C PID, Φ43.5 mm Tubes, 1-999 min Timer

Model **MSKJD-P20LSWISS,MSKJD-P08LSWISS** | Brand **Master Science**







The Kjeldahl Digestion Block digests plants, seeds, feed, soil and minerals before chemical analysis in agriculture, forestry, environmental, geology, petroleum, chemical and food laboratories, as well as universities and research institutes. It is offered with 20 wells or 8 wells, each Φ43.5 mm, in a coated aluminium alloy heating block designed for 450°C.

KEY HIGHLIGHTS

- Two Capacities
- High-Temperature Block
- Accurate Control
- Fume Handling Option

AT A GLANCE

±1°C
TEMPERATURE CONTROL ACCURACY

PID control holds ±1°C.
TEMPERATURE SWINGS

450°C
DESIGN TEMPERATURE

Request a Quotation
Contact us for pricing, configuration options and delivery details.

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Overview

An LCD PID controller holds temperature within ±1°C, heats at about 8-15°C/min and includes timed shutdown from 1 to 999 minutes with an alarm. The Kjeldahl Digestion Block has a welded brushed stainless steel tabletop and tube rack for corrosion resistance, and an optional exhaust system draws SO2 and other harmful gases away through a pump and drain line.

Distill digested samples on our Automatic Kjeldahl Titration Analyzer after the Kjeldahl Digestion Block.

Open hot-plate digestion causes the issues below. The Kjeldahl Digestion Block fixes each one.

Key Benefits

Two Capacities
Choose 8 wells for smaller labs or 20 wells for high throughput.

High-Temperature Block
Designed for 450°C to handle demanding digestions.

Accurate Control
PID control holds ±1°C with small fluctuation.

Fume Handling Option
An optional exhaust system removes SO2 and other harmful gases.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSKJD-P20LSWISS,MSKJD-P08LSWISS
SKU	MSKJD-P20LSWISS,MSKJD-P08LSWISS
Sample Wells	20 (20-well version) or 8 (8-well version)
Well Diameter	Φ43.5 mm
Heating Block	Coated aluminium alloy
Design Temperature	450°C
Temperature Control Accuracy	**±1°C**
Heating Rate	About 8-15°C/min
Timed Shutdown	1-999 min, with alarm
Controller	LCD, intelligent PID
Power Supply	AC 220 V, 50 Hz
Heating Power	2.8 kW (20-well) / 1.3 kW (8-well)
Dimensions	330 × 530 × 210 mm (20-well) / 290 × 480 × 170 mm (8-well)
Net / Gross Weight	21/29 kg (20-well) / 13/21 kg (8-well)
Package Size	870 × 460 × 460 mm (20-well) / 620 × 420 × 490 mm (8-well)
Tabletop and Rack	Welded brushed stainless steel

PROBLEMS THE KJELDAHL DIGESTION BLOCK SOLVES

Too few positions per run	Up to 20 tubes digest at once.
Temperature swings	PID control holds ±1°C.
Forgotten runs	Timed shutdown and alarm end the digestion automatically.
SO2 fumes in the room	The optional exhaust system removes them.

Applications

Kjeldahl digestion for nitrogen and protein analysis

Digestion of plant, seed and feed samples

Soil and mineral digestion

Food, environmental and petroleum laboratories

Heating

- 8 or 20 wells, Φ43.5 mm
- Aluminium alloy block with durable coating
- Design temperature 450°C
- Heating rate about 8-15°C/min

Control

- LCD temperature controller
- Intelligent PID, ±1°C
- Timed shutdown 1-999 min with alarm

Construction

- Welded brushed stainless steel tabletop
- Stainless steel test tube rack
- Optional corrosion- and heat-resistant exhaust system

Standard Accessories Included

- Kjeldahl digestion block (8-well or 20-well version)
- Stainless steel test tube rack

Optional Accessories

- Exhaust system with suction pump for harmful digestion gases