Acid Fume Scrubber for Kjeldahl Digestion, 18 L/min Pump, 3-Stage Neutralization, 1.8 L Bottles

Model **MSKJD-SCB-ASWISS** | Brand **Master Science**





The Acid Fume Scrubber collects, neutralizes and filters the acid mist produced during sample digestion, such as Kjeldahl digestion, protecting the lab environment and equipment. A negative-pressure pump draws the fumes at 18 L/min through three absorption stages.

KEY HIGHLIGHTS

- Three-Stage Cleaning
- Protects the Lab
- Strong Suction
- Easy Maintenance

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Overview

In the first stage an alkaline solution of 15-30% concentration neutralizes the acid mist; in the second, distilled water scrubs the remaining gas; in the third, the gas passes through a buffer bottle. The Acid Fume Scrubber uses 1.8 L bottles for both alkali and water, and the solutions are easy to replace.

Use the Acid Fume Scrubber with our Kjeldahl Digester to handle acid fumes during digestion.

Uncontrolled digestion fumes cause the issues below. The Acid Fume Scrubber resolves each one.

Overview

- Negative-pressure pump, 18 L/min
- Large flow, long lifespan
- φ8-10 mm air extraction port

Key Benefits

Three-Stage Cleaning
Lye neutralization, water scrubbing and buffering treat the exhaust gas thoroughly.

Protects the Lab
Acid mist is captured before it can corrode facilities.

Strong Suction
The pump draws 18 L/min with a long service life.

Easy Maintenance
Neutralizing solutions are simple to replace.

Technical Specifications

UNDEFINED

Brand	Master Science
Model Number	MSKJD-SCB-ASWISS
SKU	MSKJD-SCB-ASWISS
Extraction Flow Rate	18 L/min
Air Extraction Port	φ8-10 mm
Alkali Solution Bottle	1.8 L
Distilled Water Bottle	1.8 L
Lye Concentration	15-30%
Absorption Stages	3 (lye, distilled water, buffer)
Pump	Negative-pressure pump
Power Supply	AC 220 V, 50 Hz
Power	120 W
Net Weight	10 kg
Dimensions	300 × 300 × 390 mm

ABSORPTION

Stage 1	alkaline solution neutralizes acid mist
Stage 2	distilled water scrubs residual gas
Stage 3	buffer bottle

PROBLEMS THE ACID FUME SCRUBBER SOLVES

Acid mist corrodes lab fittings	Fumes are neutralized before release.
Single-stage traps let gas through	Three absorption stages treat the exhaust.
Low-flow fume extraction	A dedicated pump draws 18 L/min.
Messy solution changes	Bottles are easy to refill.

Applications

Kjeldahl digestion fume removal

Acid digestion in sample preparation

Neutralizing acid mist in sample preparation labs

Protecting fume-sensitive lab equipment

Operation

- 1.8 L alkali and water bottles
- Lye concentration 15-30%
- Simple, safe operation with easy solution change

Standard Accessories Included

- Acid fume scrubber main unit
- 1.8 L alkali solution bottle
- 1.8 L distilled water bottle

Optional Accessories

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