Liquid Vacuum Aspiration System 0-600 mbar, 15 mL/s Lab Aspirator with 4 L Waste Bottle

Model **MSVAS-SSWISS** | Brand **Master Science**





The Master Science Liquid Vacuum Aspiration System is a self-contained benchtop unit for drawing off supernatant, media and wash buffers. It builds its own vacuum, up to 600 mbar, so there is no need to tie it to a house vacuum line or a separate pump.

KEY HIGHLIGHTS

- No external vacuum needed
- Gentle or fast, your choice
- Spill-safe collection
- Simple decontamination

AT A GLANCE

0-600 mbar	1-15 mL/s, adjustable
VACUUM RANGE	ASPIRATING SPEED

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

support@themsci.com
www.themsci.com

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Overview

Liquid goes straight into a 4 L waste bottle. A level sensor watches the bottle and a hydrophobic filter guards the air path, so overflow and contamination of the vacuum side are kept in check. Every part that touches liquid can go in the autoclave.

When you need to dispense the fresh media after aspiration, pair the Master Science Liquid Vacuum Aspiration System with our electronic single-channel pipette.

Aspiration by pipette or house vacuum brings its own headaches. The Master Science Liquid Vacuum Aspiration System deals with them directly:

Key Benefits

No external vacuum needed
The Master Science Liquid Vacuum Aspiration System generates its own vacuum, so it can sit on any bench with a power socket.

Gentle or fast, your choice
Set the draw rate anywhere from 1 to 15 mL/s to avoid disturbing a cell layer or to clear large volumes quickly.

Spill-safe collection
The level sensor flags a full bottle before liquid can overflow.

Simple decontamination
Tube, waste bottle and handle are all autoclavable.

Technical Specifications

MAIN DATA FOR THE MASTER SCIENCE LIQUID VACUUM ASPIRATION SYSTEM

Brand	Master Science
Model Number	MSVAS-SSWISS
SKU	MSVAS-SSWISS
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Model	MSVAS-SSWISS
SKU	MSVAS-SSWISS
Vacuum range	**0-600 mbar**
Aspirating speed	1-15 mL/s, adjustable
Waste bottle volume	4 L
Autoclavable components	Tube, waste bottle, operation handle
Overflow protection	Liquid level sensor
Filter	Hydrophobic filter
Tip configurations	Single channel to 8-channel
Noise level	≤55 dB
Dimensions (W×D×H)	180 × 240 × 450 mm
Weight	3 kg
Input voltage	100-240 VAC, 50/60 Hz

EVERYDAY PROBLEMS THE MASTER SCIENCE LIQUID VACUUM ASPIRATION SYSTEM SOLVES

Slow manual removal	Pipetting off media well by well takes time; continuous vacuum draw is much faster.
Flooded vacuum lines	An overfilled trap can pull liquid into a central line; the level sensor and hydrophobic filter prevent that.
No vacuum outlet nearby	Built-in vacuum lets you aspirate at any bench or inside a safety cabinet.
Hard-to-clean waste traps	Autoclavable bottle, tube and handle make decontamination routine.

Applications

Typical uses for the Master Science Liquid Vacuum Aspiration System: Removing culture media from flasks, dishes and well plates Supernatant removal after centrifugation Plate washing steps in ELISA and cell-based assays Collecting biological liquid waste for autoclaving Cell biology, microbiology and molecular biology labs

Vacuum and flow

- Built-in vacuum source, 0-600 mbar
- Adjustable aspiration rate up to 15 mL/s
- Quiet running at 55 dB or less

Safety and hygiene

- Level sensor detects a full waste bottle
- Hydrophobic filter blocks aerosols and liquid from the air path
- All liquid-contact parts autoclavable
- Easy to take apart and clean

Flexibility

- Hand operator accepts adapters for tubes, dishes, microplates and bottles
- Works from a single tip up to 8-channel tips
- Universal 100-240 VAC power input

Standard Accessories Included

- Main unit with built-in vacuum
- 4 L waste bottle
- Operation handle (hand operator)
- Tubing
- Hydrophobic filter