Vacuum Filtration Manifold - Filter Funnel Manifold - 1, 3 or 6 Branch - 300 mL

Model **MSMFA-1RGLSWISS, MSMFA-3RGLSWISS, MSMFA-6RGLSWISS, MSMFA-1RSLSWISS, MSMFA-3RSLSWISS, MSMFA-6RSLSWISS**
| Brand **Master Science**











The Master Science Vacuum Filtration Manifold filters several liquid samples at the same time to collect bacteria, precipitates and other particles on membrane filters. Each funnel holder has its own stainless steel valve, so one vacuum pump can run all positions and any branch can be opened or closed separately.

KEY HIGHLIGHTS

- Several samples at once
- One pump for all positions
- Choice of funnel material
- Sterile work
- Corrosion resistant

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Overview

Versions are offered with 1, 3 or 6 branches and with 300 mL funnels in borosilicate glass or SS316L stainless steel. All manifolds can be autoclaved at 121 °C for 20 to 30 minutes or sterilised with ethylene oxide.

Browse vacuum pumps and filtration equipment in the Master Science laboratory instrument range.

Overview

- SS316L manifold body
- 1, 3 or 6 filter positions
- Stainless valve on each branch

Overview

- Glass 40 µm or SS316L 100 µm support
- 47 or 50 mm membranes
- Autoclavable at 121 °C

Key Benefits

Several samples at once
the Master Science Vacuum Filtration Manifold runs up to 6 filtrations in parallel.

One pump for all positions
individual valves control each branch.

Choice of funnel material
glass for visibility, stainless steel for durability.

Sterile work
fully autoclavable.

Corrosion resistant
SS316L manifold and holders.

Technical Specifications

GENERAL

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Branches	1, 3 or 6
Funnel	300 mL glass (RGL models) or 300 mL SS316L (RSL models), one per branch
Valve	Stainless steel, individual per branch
Holder / Manifold	SS316L
Connection	Rubber stopper
Membrane Diameter	Ø47 mm or Ø50 mm
Membrane Pore Sizes	0.22 µm, 0.45 µm, 0.8 µm and others
Sterilisation	Autoclave 121 °C, 20 to 30 min, or ethylene oxide
Support Screen	Glass, 40 µm (RGL); SS316L, 100 µm (RSL)

COMMON LABORATORY PROBLEMS AND HOW THIS MANIFOLD HELPS

Common Laboratory Problems and How This Manifold Helps	How the Master Science Vacuum Filtration Manifold improves filtration work:
Filtering samples one by one	up to 6 branches work together.
Needing a pump for each funnel	one pump serves the whole manifold.
Leaks at the funnel joint	ground joint with clamp.
Contamination between batches	autoclavable parts.

Applications

The Master Science Vacuum Filtration Manifold is used for
Microbial limit and water testing Membrane filtration of beverages and pharmaceuticals Collection of precipitates for gravimetric analysis Particulate contamination testing Environmental sample preparation

Funnels

- 300 mL glass or SS316L
- Clamp-fixed ground joint
- 500 mL funnels as an option

Optional Accessories

- 500 mL filter funnels
- Membrane filters, 47 or 50 mm