



LAB FILTRATION

Syringe Filter Series



Biofil™ Syringe Filter

INTRODUCTION

- Ultrasonic welding: Bigger effective filtration area than injection molding.
- Code marked: Easy to identify the pore size and filter media.
- Prefilter design: Ideal for high throughput filtration of particle-laden solutions.
- 3 diameters: 4mm, 13mm, 25mm.



Technical Specification

Filter Media	Nylon / CA / MCE / PES / GF / RC / PP / PTFE / Hydrophilic PTFE / PVDF / Hydrophilic PVDF					
Housing	PP					
Diameter	4 mm		13 mm		25 mm	
Pore Size	0.1 μm	0.22 μm	0.45 μm	1.0 μm	3.0 μm	5.0 μm
Sealing Technology	Ultrasonic Welding					
Filtration Area	0.125 cm²		1.09 cm²		4.08 cm²	
Inlet / Outlet Connections	Female inlet lock / Male outlet slip					
Maximum Operation Pressure	6bar@23°C					

Order Information

Diameter	4 mm		13 mm		25 mm	
Pore Size	0.22 µm	0.45 µm	0.22 µm	0.45 µm	0.22 µm	0.45 µm
Nylon	RLMIC-S04NY022B	RLMIC-S04NY045B	RLMIC-S13NY022B	RLMIC-S13NY045B	RLMIC-S25NY022B	RLMIC-S25NY045B
CA	RLMIC-S04CA022B	RLMIC-S04CA045B	RLMIC-S13CA022B	RLMIC-S13CA045B	RLMIC-S25CA022B	RLMIC-S25CA045B
MCE	RLMIC-S04MCE022B	RLMIC-S04MCE045B	RLMIC-S13MCE022B	RLMIC-S13MCE045B	RLMIC-S25MCE022B	RLMIC-S25MCE045B
PES	RLMIC-S04PES022B	RLMIC-S04PES045B	RLMIC-S13PES022B	RLMIC-S13PES045B	RLMIC-S25PES022B	RLMIC-S25PES045B
PTFE	RLMIC-S04PTB022B	RLMIC-S04PTB045B	RLMIC-S13PTB022B	RLMIC-S13PTB045B	RLMIC-S25PTB022B	RLMIC-S25PTB045B
Hydrophilic PTFE	RLMIC-S04PTL022B	RLMIC-S04PTL045B	RLMIC-S13PTL022B	RLMIC-S13PTL045B	RLMIC-S25PTL022B	RLMIC-S25PTL045B
PVDF	RLMIC-S04PVB022B	RLMIC-S04PVB045B	RLMIC-S13PVB022B	RLMIC-S13PVB045B	RLMIC-S25PVB022B	RLMIC-S25PVB045B
Hydrophilic PVDF	RLMIC-S04PVL022B	RLMIC-S04PVL045B	RLMIC-S13PVL022B	RLMIC-S13PVL045B	RLMIC-S25PVL022B	RLMIC-S25PVL045B
RC	RLMIC-S04RC022B	RLMIC-S04RC045B	RLMIC-S13RC022B	RLMIC-S13RC045B	RLMIC-S25RC022B	RLMIC-S25RC045B
PP	RLMIC-S04PP022B	RLMIC-S04PP045B	RLMIC-S13PP022B	RLMIC-S13PP045B	RLMIC-S25PP022B	RLMIC-S25PP045B
Pore Size	0.7 µm	1.0 µm	0.7 µm	1.0 µm	0.7 µm	1.0 µm
GF	RLMIC-S04GF070B	RLMIC-S04GF100B	RLMIC-S13GF070B	RLMIC-S13GF100B	RLMIC-S25GF070B	RLMIC-S25GF100B

Note: 1. Package: 100pcs/pk ; Non Sterile.
2. Other pore size are available.

Chromfil™ Syringe Filter



INTRODUCTION

- Injection molding: High pressure resistant.
- Color coding with rim: More popular and easier to identify the pore size and filter media.
- 2 diameters: 13mm, 25mm

Technical Specification

Filter Media	Nylon / CA / MCE / PES / GF / RC / PP / PTFE / Hydrophilic PTFE / PVDF / Hydrophilic PVDF					
Housing	PP					
Diameter	13 mm			25 mm		
Pore Size	0.1 μm	0.22 μm	0.45 μm	1.0 μm	3.0 μm	5.0 μm
Sealing Technology	Injection Molding					
Filtration Area	1.09 cm ²			4.08 cm ²		
Inlet / Outlet Connections	Female inlet lock / Male luer slip					
Maximum Operation Pressure	6bar@23°C					

Order Information

Diameter	13 mm		25 mm	
Pore Size	0.22 µm	0.45 µm	0.22 µm	0.45 µm
Nylon	RLMIC-S13NY022C	RLMIC-S13NY045C	RLMIC-S25NY022C	RLMIC-S25NY045C
CA	RLMIC-S13CA022C	RLMIC-S13CA045C	RLMIC-S25CA022C	RLMIC-S25CA045C
MCE	RLMIC-S13MCE022C	RLMIC-S13MCE045C	RLMIC-S25MCE022C	RLMIC-S25MCE045C
PES	RLMIC-S13PES022C	RLMIC-S13PES045C	RLMIC-S25PES022C	RLMIC-S25PES045C
PTFE	RLMIC-S13PTB022C	RLMIC-S13PTB045C	RLMIC-S25PTB022C	RLMIC-S25PTB045C
Hydrophilic PTFE	RLMIC-S13PTL022C	RLMIC-S13PTL045C	RLMIC-S25PTL022C	RLMIC-S25PTL045C
PVDF	RLMIC-S13PVB022C	RLMIC-S13PVB045C	RLMIC-S25PVB022C	RLMIC-S25PVB045C
Hydrophilic PVDF	RLMIC-S13PVL022C	RLMIC-S13PVL045C	RLMIC-S25PVL022C	RLMIC-S25PVL045C
RC	RLMIC-S13RC022C	RLMIC-S13RC045C	RLMIC-S25RC022C	RLMIC-S25RC045C
PP	RLMIC-S13PP022C	RLMIC-S13PP045C	RLMIC-S25PP022C	RLMIC-S25PP045C
Pore Size	0.7 µm	1.0 µm	0.7 µm	1.0 µm
GF	RLMIC-S13GF070C	RLMIC-S13GF100C	RLMIC-S25GF070C	RLMIC-S25GF100C

Note: 1. Package: 100pcs/pk ; Non Sterile.

2. Other pore size are available.

Colour: Nylon (Purple); CA/MCE (Blue); PES (Green); PTFE (Red); PVDF/RC (Purplish Red); GF/PP (Brown).

Microfil™ Syringe Filter

INTRODUCTION

- Injection molding: High pressure resistant.
- Color coding: More popular and easier to identify the pore size and filter media.
- Larger filtration areas: (bigger than 33mm) increased sample throughout.
- 2 diameters: 17mm, 30/33mm



Technical Specification

Filter Media	Nylon / CA / MCE / PES / GF / RC / PP / PTFE / Hydrophilic PTFE / PVDF / Hydrophilic PVDF					
Housing	PP					
Diameter	17mm			33mm		
Pore Size	0.1 μm	0.22 μm	0.45 μm	1.0 μm	3.0 μm	5.0 μm
Sealing Technology	Injection Molding					
Filtration Area	1.65 cm²			5.39 cm²		
Inlet / Outlet Connections	Female luer lock / Male luer slip					
Maximum Operation Temperature	50°C					
Maximum Operation Pressure	6bar@23°C					

Order Information

Diameter	17 mm		33 mm	
Pore Size	0.22 µm	0.45 µm	0.22 µm	0.45 µm
Nylon	RLMIC-S17NY022M	RLMIC-S17NY045M	RLMIC-S33NY022M	RLMIC-S33NY045M
CA	RLMIC-S17CA022M	RLMIC-S17CA045M	RLMIC-S33CA022M	RLMIC-S33CA045M
MCE	RLMIC-S17MCE022M	RLMIC-S17MCE045M	RLMIC-S33MCE022M	RLMIC-S33MCE045M
PES	RLMIC-S17PES022M	RLMIC-S17PES045M	RLMIC-S33PES022M	RLMIC-S33PES045M
PTFE	RLMIC-S17PTB022M	RLMIC-S17PTB045M	RLMIC-S33PTB022M	RLMIC-S33PTB045M
Hydrophilic PTFE	RLMIC-S17PTL022M	RLMIC-S17PTL045M	RLMIC-S33PTL022M	RLMIC-S33PTL045M
PVDF	RLMIC-S17PVB022M	RLMIC-S17PVB045M	RLMIC-S33PVB022M	RLMIC-S33PVB045M
Hydrophilic PVDF	RLMIC-S17PVL022M	RLMIC-S17PVL045M	RLMIC-S33PVL022M	RLMIC-S33PVL045M
RC	RLMIC-S17RC022M	RLMIC-S17RC045M	RLMIC-S33RC022M	RLMIC-S33RC045M
PP	RLMIC-S17PP022M	RLMIC-S17PP045M	RLMIC-S33PP022M	RLMIC-S33PP045M
Pore Size	0.7 µm	1.0 µm	0.7 µm	1.0 µm
GF	RLMIC-S17GF070M	RLMIC-S17GF100M	RLMIC-S33GF070M	RLMIC-S33GF100M

Note: 1. Package: 100pcs/pk ; Non Sterile.

2. Other pore size are available.

Colour: Nylon (Yellow); CA/MCE (Blue); PES (Green); PTFE (Red); PVDF/RC (Purplish Red); GF/PP (Brown).

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GDXfil™ Syringe Filter



INTRODUCTION

- Novel prefiltration stack of 100% borosilicate.
- Glass fibers: Facilitates exceptional loading capacity with fast flow rates.
- Code marked: Easy to identify the pore size and filter media.
- Big volume design: Processes three to seven times more sample volume.
- 1 diameter: 25mm

Technical Specification

Filter Media	Nylon / CA / MCE / PES / RC / PTFE / PVDF / Hydrophilic PTFE / Hydrophilic PVDF	
Housing	PP	
Diameter	25 mm	
Pore Size	0.22 µm	0.45 µm
Sealing Technology	Ultrasonic Welding	
Filtration Area	4.6 cm²	
Inlet / Outlet Connections	Female luer lock / Male luer slip	
Maximum Operation Pressure	6bar@23°C	

Order Information

Pore Size	0.22 µm	0.45 µm
Nylon	RLMIC-S25NY022G	RLMIC-S25NY045G
CA	RLMIC-S25CA022G	RLMIC-S25CA045G
PTFE	RLMIC-S25PTB022G	RLMIC-S25PTB045G
Hydrophilic PTFE	RLMIC-S25PTL022G	RLMIC-S25PTL045G
PVDF	RLMIC-S25PVB022G	RLMIC-S25PVB045G
Hydrophilic PVDF	RLMIC-S25PVL022G	RLMIC-S25PVL045G
PES	RLMIC-S25PES022G	RLMIC-S25PES045G
RC	RLMIC-S25RC022G	RLMIC-S25RC045G
GF	RLMIC-S25GF022G	RLMIC-S25GF045G
PP	RLMIC-S25PP022G	RLMIC-S25PP045G
MCE	RLMIC-S25MCE022G	RLMIC-S25MCE045G

Note: Other Pore Size and Filter Media is available.

DLLfil™ Syringe Filter



INTRODUCTION

- Diameter: 28mm even bigger than millipore's 33mm syringe filter.
- PC housing: High temperature resistance and broad chemical resistance.
- Double luer lock.
- Prefilter options: PP, GF.
- Sterilization available.

Technical Specification

Filter Media	CA / PES / PTFE / PVDF / Hydrophilic PTFE / Hydrophilic PVDF	
Housing	PC	
Diameter	28 mm	
Pore Size	0.22 µm	0.45 µm
Sealing Technology	Ultrasonic Welding	
Filtration Area	5 cm ²	
Inlet / Outlet Connections	Female Luer Lock Inlet / Male Luer Lock Outlet	
Maximum Operation Pressure	6bar@23°C	

Order Information

Pore Size	0.22 µm	0.45 µm
Nylon	RLMIC-S28NY022D	RLMIC-S28NY045D
CA	RLMIC-S28CA022D	RLMIC-S28CA045D
PTFE	RLMIC-S28PTB022D	RLMIC-S28PTB045D
Hydrophilic PTFE	RLMIC-S28PTL022D	RLMIC-S28PTL045D
PVDF	RLMIC-S28PVB022D	RLMIC-S28PVB045D
Hydrophilic PVDF	RLMIC-S28PVL022D	RLMIC-S28PVL045D
PES	RLMIC-S28PES022D	RLMIC-S28PES045D
RC	RLMIC-S28RC022D	RLMIC-S28RC045D
GF	RLMIC-S28GF022D	RLMIC-S28GF045D
PP	RLMIC-S28PP022D	RLMIC-S28PP045D
MCE	RLMIC-S28MCE022D	RLMIC-S28MCE045D

Note: Other Pore Size and Filter Media is available.

Bestfil™ Syringe Filter



INTRODUCTION

- **Faster flow rate:** The larger filter surface area increases flow rate and throughput. It also makes it easier to filter solutions because it reduces the pressure required to empty the syringe.
- **Higher operating pressure:** Bestfil™ have a maximum housing pressure of 10bar (145 psi), which means you can filter solutions faster than before.
- **Color-coded:** The color-coded band on the Bestfil™ housing clearly indicates which membrane is inside.

Technical Specification

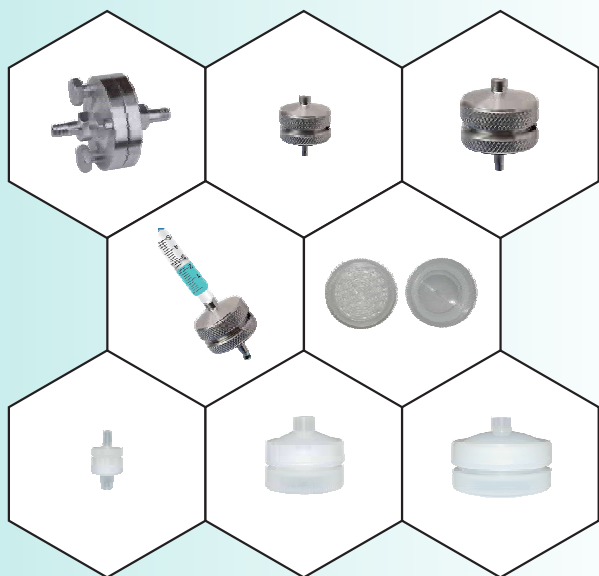
Filter Media	Nylon / CA / GF / PES / PTFE / RC / MCE / Hydrophilic PTFE / Hydrophilic PVDF					
Pore Size	0.1 µm	0.22 µm	0.45 µm	1.0 µm	3.0 µm	5.0 µm
Inlet / Outlet Connections	Inlet: Female Luer Lock / Outlet: Male Luer Slip					
Housing	MBS					
Diameter	33 mm					
Sealing Technology	Injection Molding					
Filtration Area	5.39 cm ²					
Holdup Volume	< 200 µl					
Sample Volume	< 200 ml					
Maximum Operation Temperature	50°C					
Maximum Operation Pressure	87psi (6.0 bar) at 20°C					

Order Information

Pore Size	0.22 µm	0.45 µm
Nylon	RLMIC-S33NY022B	RLMIC-S33NY045B
CA	RLMIC-S33CA022B	RLMIC-S33CA045B
PTFE	RLMIC-S33PTB022B	RLMIC-S33PTB045B
Hydrophilic PTFE	RLMIC-S33PTL022B	RLMIC-S33PTL045B
PVDF	RLMIC-S33PVB022B	RLMIC-S33PVB045B
Hydrophilic PVDF	RLMIC-S33PVL022B	RLMIC-S33PVL045B
PES	RLMIC-S33PES022B	RLMIC-S33PES045B
RC	RLMIC-S33RC022B	RLMIC-S33RC045B
GF	RLMIC-S33GF022B	RLMIC-S33GF045B
PP	RLMIC-S33PP022B	RLMIC-S33PP045B
MCE	RLMIC-S33MCE022B	RLMIC-S33MCE045B

Note: 1. Diameter: 33mm; Package: 100pcs/pk
2. Other Pore Size and Filter Media are available.

Reusable Syringe Filter Holder



INTRODUCTION

- Plastic syringe filter holder made of pure polypropylene.
- Stainless steel syringe filter holder made of 316L stainless steel.

Order Information

Part Number	Description	Packing
RLMIC-SFH013P	Reuseable Syringe Filter Holder / PP / Diameter: 13mm	10
RLMIC-SFH025P	Reuseable Syringe Filter Holder / PP / Diameter: 25mm	10
RLMIC-SFH050P	Reuseable Syringe Filter Holder / PP / Diameter: 50mm	10
RLMIC-SFH013S	Reuseable Syringe Filter Holder / 316L Stainless Steel / Diameter: 13mm	1
RLMIC-SFH025S	Reuseable Syringe Filter Holder / 316L Stainless Steel / Diameter: 25mm	1
RLMIC-SFH047S	Reuseable Syringe Filter Holder / 316L Stainless Steel / Diameter: 47mm	1

Vent Filter



INTRODUCTION

- 50mm vent filters are sterilizing filter for venting and liquid solutions.

Technical Specification

Filter Media	PTFE / PES / Nylon66 / PP / GF / PVDF	
Housing	PP	
Diameter	50 mm	
Pore Size	0.22 μ m	0.45 μ m
Sealing Technology	Thermal Bonding, No Adhesives	
Filtration Area	≥ 0.021 ft ²	
Inlet / Outlet Connections	7 to 13mm stepped hose barb connection with 6:100 Luer Slip	
Maximum Operation Pressure	Forward: 3.5 bar at 23°C and 3.0 bar at 60°C for Liquid; 3.0 bar at 23°C and 2.5 bar at 60°C for Air and Gas.	
Sterilization	By EO or 3 autoclave cycles of 30 min at 123°C	

Order Information

Pore Size	0.22 μ m	0.45 μ m
Nylon	RLMIC-S50NY022	RLMIC-S50NY045
CA	RLMIC-S50CA022	RLMIC-S50CA045
PTFE	RLMIC-S50PTB022	RLMIC-S50PTB045
Hydrophilic PTFE	RLMIC-S50PTL022	RLMIC-S50PTL045
PVDF	RLMIC-S50PVB022	RLMIC-S50PVB045
Hydrophilic PVDF	RLMIC-S50PVL022	RLMIC-S50PVL045
PES	RLMIC-S50PES022	RLMIC-S50PES045

Note: 1. Diameter: 50mm; Package: 25pcs/pk
2. Other Pore Size and Filter Media are available.



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