

## 13mm and 25mm Syringe Filters

*All Finneran Products Are Certified*



Our syringe filters are made using polypropylene medical-grade housings with Luer-Lock and Luer-Slip fittings in compliance with ISO 594-1. Each filter is sealed, using an external ring insert, to maintain the membrane integrity and best performance. Filters are color-coded for easy identification.

The Certified Filters are supplied with a Certificate of Quality, batch-to-batch, to guarantee product performance and quality. The filters are visually inspected following quality specifications. Each batch of filters is tested for external dimensions, bubble point, filter integrity, water flow rate, UV extractable, and compliance with all technical procedures, manufacturing specifications, and quality controls for release. Tests are performed by an independent laboratory.

### General Specifications

Syringe filters are available in two sizes (13 and 25 mm Ø) with a variety of membranes.

Filter size	Sample volume size (*)	Hold- up volume (after air purge)	Filtration area	Max. operating pressure	External dimensions	Weight
13mm	1-10 mL	< 30 µL	0.95 cm <sup>2</sup>	750 kPa	6.2 ±0.3mmØ x 19.0 ±0.3mm	10.90 ±0.10g
13mm PF	1-5 mL	< 25 µL	0.95 cm <sup>2</sup>	750 kPa	16.2 ±0.3mmØ x 17.3 ±0.3mm	0.80 ±0.10g
25mm	>10 mL	< 120 µL	3.55 cm <sup>2</sup>	650 kPa	31.9 ±0.3mmØ x 25.7 ±0.3mm	3.90 ±0.10g
25mm R	>10 mL	< 120 µL	3.55 cm <sup>2</sup>	650 kPa	30.0 ±0.3mmØ x 21.5 ±0.3mm	3.90 ±0.10g
25mm A	>10 mL	<150 µL	3.55 cm <sup>2</sup>	650 kPa	30.0 ±0.3mmØ x 21.3 ±0.3mm	2.90 ±0.10g

(\*) For critical applications using chromatography detection at < 210nm is recommended to reject the first filtrated ml.

### Membrane selection

In the selection of membrane for chromatography sample and solvent filtration, there are several important considerations:

- The membrane must be highly solvent resistant, since most chromatography solvents are aggressive and sometimes corrosive.
- It should not have extractables because they can interfere with analytical results.
- It should be a low protein binding membrane for biological samples.

### Special Formats Available

Robot filters (low hold-up volume) designed for robotic devices (25mm R).

Automatic filters (high stress resistance) available for automatic applications (25mm A).

Mini-tip filters (for small quantities of analytical samples) (13mm PF)

Connection Luer-lock full screw (available on 13mm Filters)

### Traceability on Certified Filters

Certified filters, with Traceability, are available on standard products. These filters have PRINTED, externally, a color-coded plastic ring with the BATCH NUMBER (i.e. LOT 123456). This batch number provides extended certification and traceable documentation in accordance with ISO protocol.

## 13mm and 25mm Syringe Filters



### 13mm Syringe Filters

Available in 1.0 $\mu$ m, 2.0 $\mu$ m and 5.0 $\mu$ m pore sizes. Glass fiber membranes have fast filtration flow, eliminate sample contamination, and have good chemical compatibility. Autoclavable.

Case Pack - 100 pieces

Cat. No.	Description
FEC0213PC	13mm Syringe Filter, 0.2 $\mu$ m Mixed Esters Cellulose, Light Yellow
FEC0413PC	13mm Syringe Filter, 0.45 $\mu$ m Mixed Esters Cellulose, Dark Yellow
FPV0213PC	13mm Syringe Filter, 0.2 $\mu$ m PVDF, Light Red
FPV0413PC	13mm Syringe Filter, 0.45 $\mu$ m PVDF, Dark Red
FNYP0213PC	13mm Syringe Filter, 0.2 $\mu$ m Nylon, Light Green
FNYP0413PC	13mm Syringe Filter, 0.45 $\mu$ m Nylon, Dark Green
FPT0213PC	13mm Syringe Filter, 0.2 $\mu$ m PTFE, Light Blue
FPT0413PC	13mm Syringe Filter, 0.45 $\mu$ m PTFE, Dark Blue
FPP0213PC	13mm Syringe Filter, 0.2 $\mu$ m Polypropylene, Transparent
FPP0413PC	13mm Syringe Filter, 0.45 $\mu$ m Polypropylene, White
FRC0213PC	13mm Syringe Filter, 0.2 $\mu$ m Regenerated Cellulose, Light Brown
FRC0413PC	13mm Syringe Filter, 0.45 $\mu$ m Regenerated Cellulose, Dark Brown
FAC0213PC	13mm Syringe Filter, 0.2 $\mu$ m Cellulose Acetate, Light Orange
FAC0413PC	13mm Syringe Filter, 0.45 $\mu$ m Cellulose Acetate, Dark Orange
FPS0213PC	13mm Syringe Filter, 0.2 $\mu$ m Polyethersulfone, Light Purple
FPS0413PC	13mm Syringe Filter, 0.45 $\mu$ m Polyethersulfone, Dark Purple
FGF1013PC	13mm Syringe Filter, 1.0 $\mu$ m Glass Fiber, Grey
FGF2013PC	13mm Syringe Filter, 2.0 $\mu$ m Glass Fiber, Grey
FGF5013PC	13mm Syringe Filter, 5.0 $\mu$ m Glass Fiber, Grey

### 13mm Syringe Filters - Mini Tip

Provide extremely low dead volume of less than 10 $\mu$ L, and are available in 0.2 $\mu$ m and 0.45 $\mu$ m pore sizes. Autoclavable.

Case Pack - 500 pieces

Cat. No.	Description
FEC0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Mixed Esters Cellulose, Light Yellow
FEC0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Mixed Esters Cellulose, Dark Yellow
FPV0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m PVDF, Light Red
FPV0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m PVDF, Dark Red
FNYP0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Nylon, Light Green
FNYP0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Nylon, Dark Green
FPT0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m PTFE, Light Blue
FPT0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m PTFE, Dark Blue
FPP0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Polypropylene, Transparent
FPP0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Polypropylene, White
FRC0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Regenerated Cellulose, Light Brown
FRC0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Regenerated Cellulose, Dark Brown
FAC0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Cellulose Acetate, Light Orange
FAC0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Cellulose Acetate, Dark Orange
FPS0213PF	13mm Syringe Filter - Mini Tip, 0.2 $\mu$ m Polyethersulfone, Light Purple
FPS0413PF	13mm Syringe Filter - Mini Tip, 0.45 $\mu$ m Polyethersulfone, Dark Purple
FGF1013PF	13mm Syringe Filter - Mini Tip, 1.0 $\mu$ m Glass Fiber, Grey
FGF2013PF	13mm Syringe Filter - Mini Tip, 2.0 $\mu$ m Glass Fiber, Grey
FGF5013PF	13mm Syringe Filter - Mini Tip, 5.0 $\mu$ m Glass Fiber, Grey

## 13mm and 25mm Syringe Filters

### 25mm Syringe Filters

Available in 0.2 $\mu$ m and 0.45 $\mu$ m pore size. Autoclavable.

Case Pack - 100 pieces



Cat. No.	Description
FEC0225PC	25mm Syringe Filter, 0.2 $\mu$ m Mixed Esters Cellulose, Light Yellow
FEC0425PC	25mm Syringe Filter, 0.45 $\mu$ m Mixed Esters Cellulose, Dark Yellow
FPV0225PC	25mm Syringe Filter, 0.2 $\mu$ m PVDF, Light Red
FPV0425PC	25mm Syringe Filter, 0.45 $\mu$ m PVDF, Dark Red
FNY0225PC	25mm Syringe Filter, 0.2 $\mu$ m Nylon, Light Green
FNY0425PC	25mm Syringe Filter, 0.45 $\mu$ m Nylon, Dark Green
FPT0225PC	25mm Syringe Filter, 0.2 $\mu$ m PTFE, Light Blue
FPT0425PC	25mm Syringe Filter, 0.45 $\mu$ m PTFE, Dark Blue
FPP0225PC	25mm Syringe Filter, 0.2 $\mu$ m Polypropylene, Transparent
FPP0425PC	25mm Syringe Filter, 0.45 $\mu$ m Polypropylene, White
FRC0225PC	25mm Syringe Filter, 0.2 $\mu$ m Regenerated Cellulose, Light Brown
FRC0425PC	25mm Syringe Filter, 0.45 $\mu$ m Regenerated Cellulose, Dark Brown
FAC0225PC	25mm Syringe Filter, 0.2 $\mu$ m Cellulose Acetate, Light Orange
FAC0425PC	25mm Syringe Filter, 0.45 $\mu$ m Cellulose Acetate, Dark Orange
FPS0225PC	25mm Syringe Filter, 0.2 $\mu$ m Polyethersulfone, Light Purple
FPS0425PC	25mm Syringe Filter, 0.45 $\mu$ m Polyethersulfone, Dark Purple
FGF1025PC	25mm Syringe Filter, 1.0 $\mu$ m Glass Fiber, Grey
FGF2025PC	25mm Syringe Filter, 2.0 $\mu$ m Glass Fiber, Grey
FGF5025PC	25mm Syringe Filter, 5.0 $\mu$ m Glass Fiber, Grey

### 25mm Syringe Filters with 1.0 $\mu$ m Glass Fiber

Glass fiber membranes have fast filtration flow, eliminate sample contamination, and have good chemical compatibility. Autoclavable.

Case Pack - 100 pieces

Cat. No.	Description
FEC0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Mixed Esters Cellulose, Light Yellow
FEC0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Mixed Esters Cellulose, Dark Yellow
FPV0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m PVDF, Light Red
FPV0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m PVDF, Dark Red
FNY0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Nylon, Light Green
FNY0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Nylon, Dark Green
FPT0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m PTFE, Light Blue
FPT0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m PTFE, Dark Blue
FPP0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Polypropylene, Transparent
FPP0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Polypropylene, White
FRC0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Regenerated Cellulose, Light Brown
FRC0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Regenerated Cellulose, Dark Brown
FAC0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Cellulose Acetate, Light Orange
FAC0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Cellulose Acetate, Dark Orange
FPS0225GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.2 $\mu$ m Polyethersulfone, Light Purple
FPS0425GC	25mm Syringe Filter - Glass Fiber 1.0 $\mu$ m, 0.45 $\mu$ m Polyethersulfone, Dark Purple

## 13mm and 25mm Syringe Filters

### 25mm Robotic Syringe Filters

Developed specifically for automated sample filtration systems. Autoclavable.



Case Pack - 1000 pieces

Cat. No.	Description
FEC0225RC	25mm Robotic Filter, 0.2µm Mixed Esters Cellulose, Light Yellow
FEC0425RC	25mm Robotic Filter, 0.45µm Mixed Esters Cellulose, Dark Yellow
FPV0225RC	25mm Robotic Filter, 0.2µm PVDF, Light Red
FPV0425RC	25mm Robotic Filter, 0.45µm PVDF, Dark Red
FNY0225RC	25mm Robotic Filter, 0.2µm Nylon, Light Green
FNY0425RC	25mm Robotic Filter, 0.45µm Nylon, Dark Green
FPT0225RC	25mm Robotic Filter, 0.2µm PTFE, Light Blue
FPT0425RC	25mm Robotic Filter, 0.45µm PTFE, Dark Blue
FPP0225RC	25mm Robotic Filter, 0.2µm Polypropylene, Transparent
FPP0425RC	25mm Robotic Filter, 0.45µm Polypropylene, White
FRC0225RC	25mm Robotic Filter, 0.2µm Regenerated Cellulose, Light Brown
FRC0425RC	25mm Robotic Filter, 0.45µm Regenerated Cellulose, Dark Brown
FAC0225RC	25mm Robotic Filter, 0.2µm Cellulose Acetate, Light Orange
FAC0425RC	25mm Robotic Filter, 0.45µm Cellulose Acetate, Dark Orange
FPS0225RC	25mm Robotic Filter, 0.2µm Polyethersulfone, Light Purple
FPS0425RC	25mm Robotic Filter, 0.45µm Polyethersulfone, Dark Purple
FGF1025RC	25mm Robotic Filter, 1.0µm Glass Fiber, Grey
FGF2025RC	25mm Robotic Filter, 2.0µm Glass Fiber, Grey
FGF5025RC	25mm Robotic Filter, 5.0µm Glass Fiber, Grey

### 25mm Robotic Syringe Filters with 1.0µm Glass Fiber

Case Pack - 1000 pieces

Cat. No.	Description
FEC0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Mixed Esters Cellulose, Light Yellow
FEC0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Mixed Esters Cellulose, Dark Yellow
FPV0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm PVDF, Light Red
FPV0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm PVDF, Dark Red
FNY0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Nylon, Light Green
FNY0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Nylon, Dark Green
FPT0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm PTFE, Light Blue
FPT0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm PTFE, Dark Blue
FPP0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Polypropylene, Transparent
FPP0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Polypropylene, White
FRC0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Regenerated Cellulose, Light Brown
FRC0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Regenerated Cellulose, Dark Brown
FAC0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Cellulose Acetate, Light Orange
FAC0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Cellulose Acetate, Dark Orange
FPS0225GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.2µm Polyethersulfone, Light Purple
FPS0425GRC	25mm Robot Filter - Glass Fiber 1.0µm, 0.45µm Polyethersulfone, Dark Purple

## 13mm and 25mm Syringe Filters

### 25mm Automatic Syringe Filters

Suitable for manual and automated filtrations. Ideal for sample volumes up to 10mL. Autoclavable.

Case Pack - 1000 pieces



Cat. No.	Description
FEC0225AC	25mm Automatic Filter, 0.2µm Mixed Esters Cellulose, Light Yellow
FEC0425AC	25mm Automatic Filter, 0.45µm Mixed Esters Cellulose, Dark Yellow
FPV0225AC	25mm Automatic Filter, 0.2µm PVDF, Light Red
FPV0425AC	25mm Automatic Filter, 0.45µm PVDF, Dark Red
FNY0225AC	25mm Automatic Filter, 0.2µm Nylon, Light Green
FNY0425AC	25mm Automatic Filter, 0.45µm Nylon, Dark Green
FPT0225AC	25mm Automatic Filter, 0.2µm PTFE, Light Blue
FPT0425AC	25mm Automatic Filter, 0.45µm PTFE, Dark Blue
FPP0225AC	25mm Automatic Filter, 0.2µm Polypropylene, Transparent
FPP0425AC	25mm Automatic Filter, 0.45µm Polypropylene, White
FRC0225AC	25mm Automatic Filter, 0.2µm Regenerated Cellulose, Light Brown
FRC0425AC	25mm Automatic Filter, 0.45µm Regenerated Cellulose, Dark Brown
FAC0225AC	25mm Automatic Filter, 0.2µm Cellulose Acetate, Light Orange
FAC0425AC	25mm Automatic Filter, 0.45µm Cellulose Acetate, Dark Orange
FPS0225AC	25mm Automatic Filter, 0.2µm Polyethersulfone, Light Purple
FPS0425AC	25mm Automatic Filter, 0.45µm Polyethersulfone, Dark Purple
FGF1025AC	25mm Automatic Filter, 1.0µm Glass Fiber, Grey
FGF2025AC	25mm Automatic Filter, 2.0µm Glass Fiber, Grey
FGF5025AC	25mm Automatic Filter, 5.0µm Glass Fiber, Grey

### 25mm Automatic Syringe Filters with 1.0µm Glass Fiber

Case Pack - 1000 pieces

Cat. No.	Description
FEC0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Mixed Esters Cellulose, Light Yellow
FEC0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Mixed Esters Cellulose, Dark Yellow
FPV0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm PVDF, Light Red
FPV0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm PVDF, Dark Red
FNY0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Nylon, Light Green
FNY0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Nylon, Dark Green
FPT0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm PTFE, Light Blue
FPT0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm PTFE, Dark Blue
FPP0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Polypropylene, Transparent
FPP0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Polypropylene, White
FRC0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Regenerated Cellulose, Light Brown
FRC0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Regenerated Cellulose, Dark Brown
FAC0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Cellulose Acetate, Light Orange
FAC0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Cellulose Acetate, Dark Orange
FPS0225GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.2µm Polyethersulfone, Light Purple
FPS0425GAC	25mm Automatic Filter - Glass Fiber 1.0µm, 0.45µm Polyethersulfone, Dark Purple