

## Simplepure™ Syringe Filter



Simplepure™ Syringe Filters are simply quality filters, well packaged, and offered at a fair and competitive price. The Classic range is available in all of the major membranes including Nylon, PTFE, PES, MCE and PVDF, which are supplied in 13mm, 25mm formats in virgin medical polypropylene housings.

### Features

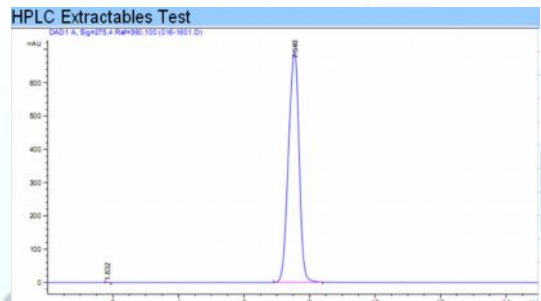
- Application Compatibility: Broad range of filtration media meets diverse application needs
- Minimum sample hold-up: Syringe Filters' housings are specifically designed to maximize sample recovery
- Convenient: Each unit is clearly marked with an identifying code to denote pore size, membrane material
- Sterile: Filters can be purchased pre-sterilized by Gamma radiation and individually packaged

### Application

- HPLC sample preparation
- Routine QC analysis
- Content uniformity
- Removal of protein precipitates
- Dissolution testing
- Food analysis
- Biofuel analysis
- Environmental samples

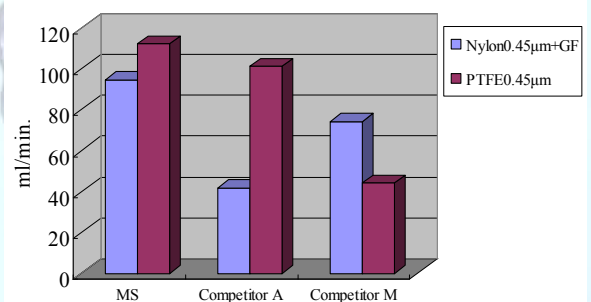
- HPLC certification which guarantees the filters will not produce extraneous peaks in the UV range.
- 100% integrity tested with higher burst strength ratings assuring they will perform consistently.
- Available in 13 and 25mm sizes and available in sterilized, too.
- 0.45µm for most clarification applications and 0.22 µm when fine particulate removal is required. Other pore size are available in 0.8µm-5µm.

### Validated HPLC Performance

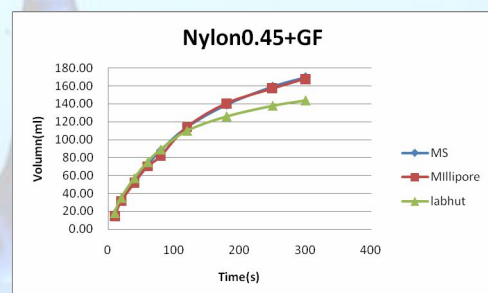


Agilent Technologies 1200, Column: C18 UV = 254 nm  
 Mob.phase:MeOH/H<sub>2</sub>O:20:80, Temperature: 25°C, Flow rate:0.8ml/min, sample:2mg/ml Bergenin(in Methanol)

MS 25mm syringe filter VS competition



Water flow at 1 bar





## Ordering information:

### A: How to order?

**S F NY 025 022 N G**

G: GF prefilter. P: PP prefilter  
 N: non sterile/ S: sterile  
 pore size: 0.20.45µm;  
 diameter: 13mm, 25mm  
 NY: nylon  
 SF: syringe filter

Parameters	13mm	25mm
Housing material	Virgin Medical Polypropylene	
Effective Filtration area (cm <sup>2</sup> )	1.09	4.08
Pore Size (µm)	0.22, 0.45……	
Holdup volume (µl)	<25	<100
Sample volume (ml)	<10	<100
Inlet connection	Female luer lock	
Outlet connection	Male luer slip	
Maximum Operating Temperature	50°C	50°C
Maximum Operating Pressure (bar)	6	6

## How to select your sample preparation device?

### ➤ Step 1: Choose the suitable membrane filtration medium Characteristics of samples

Solutions	Recommended
Solvent Mixtures	Nylon, MCE
Tissue culture Media, Buffers, Protein Analysis/ Biological Samples	CA, PVDF, PES
High Particulate Loads	With GF or PP pre-filter
Aggressive or Pure Organic Solvents	PTFE, PVDF

### ➤ Step2: choose the suitable diameter

Volume of samples	
<10ml	<100ml
13mm	25mm

### ➤ Step 3: Choose the suitable pore size based on the nature of your sample

- Removal of high particulate matter with a glass fiber prefilter is critical before any drug, tox, or dirty environmental sample is filtered to ensure the highest syringe filter membrane performance.
- Generally, 0.45 µm porosity filters are used to remove particulates from samples and mobile phase solutions. For sterile-filtration, a 0.20 µm porosity filter can be used.

## Ordering information

### 13mm

Catalogue No.	Membrane	poresize(um)	Quantity(pcs)/pack
SFNY013022N	nylon	0.22	100
SFNY013045N	nylon	0.45	100
SFPTFE013022NB	PTFE	0.22	100
SFPTFE013045NB	PTFE	0.45	100
SFPTFE013022NL	PTFE	0.22	100
SFPTFE013045NL	PTFE	0.45	100
SFPVDF013022N	PVDF	0.22	100
SFPVDF013045N	PVDF	0.45	100
SFPES013022N	PES	0.22	100
SFPES013045N	PES	0.45	100
SFCA013022N	CA	0.22	100
SFCA013045N	CA	0.45	100
SFPP013022N	PP	0.22	100
SFPP013045N	PP	0.45	100
SFMCE013022N	MCE	0.22	100
SFMCE013045N	MCE	0.45	100

### 25mm

Catalogue No.	Membrane	pore size(um)	Quantity(pcs)/pack
SFNY025022N	nylon	0.22	100
SFNY025045N	nylon	0.45	100
SFPTFE025022NB	PTFE	0.22	100
SFPTFE025045NB	PTFE	0.45	100
SFPTFE025022NL	PTFE	0.22	100
SFPTFE025045NL	PTFE	0.45	100
SFPVDF025022N	PVDF	0.22	100
SFPVDF025045N	PVDF	0.45	100
SFPES025022N	PES	0.22	100
SFPES025045N	PES	0.45	100
SFCA025022N	CA	0.22	100
SFCA025045N	CA	0.45	100
SFPP025022N	PP	0.22	100
SFPP025045N	PP	0.45	100
SFMCE025022N	MCE	0.22	100
SFMCE025045N	MCE	0.45	100

**Note:**

1. Special specifications are available like pore size: 0.1um, 1.0um, 3.0um, 5.0um diameter:13mm, 25mm, membrane medium: glass fiber, with pp or glass fiber prefilter
2. Sterile Syringe filter of all materiel are available.
3. Free samples are welcomed. We've standard sample pack for customers

More information please visit our website

[www.membrane-solutions.com](http://www.membrane-solutions.com).

Or mail us at : [info@membrane-solutions.com](mailto:info@membrane-solutions.com)

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