

Syringeless Filter Devices



Introduction

Syringeless filters are preassembled filtration devices specially used in HPLC for the purification and analysis of samples. It is a single disposable unit that contains the function of common sample bottles (including the lid and cushions), disposable needles and syringe filters.

MS @syringeless filter adopts standard size, can cooperate with HPLC instrument perfectly. Two membrane apertures are available to meet all of your filtration needs: 0.22µm and 0.45µm, all materials such as PVDF, Nylon, PTFE, PES, PP are available. Syringeless filters are specially designed for the filtration of small doses of sample, especially suitable for the light-sensitive and air-sensitive compounds analysis.

How it works

Each unit includes two parts: a chamber and plunger. A filtration membrane is on the end of the plunger and pre-attached cap/septum on the other. When using, sample is injected into the lower chamber, then press the plunger manually, positive pressure forces the filtrate up into the reservoir of the plunger.

Application

- HPLC sample preparation
- Hard to filter sample preparation
- Rapid filtration samples
- Temporary test sample preparation
- Soluble detection
- Protein deposition
- Dissolution test
- Suitable for any mixture that needs to avoid light

Features

- Can be pressed manually or by pressing machine
- The whole sample processing saves 1/3 time
- Suitable for automatic sampler or manual injection
- The membrane material diversification
- Protect samples against UV damage
- Amber tube protects light-sensitive samples against photochemical degradation
- Translucent amber tube is easy for observation
- Suitable for high throughput automation

Ordering Information :



Choosing guide

Membrane	Typical application	Item No	Description	Pack
Nylon	water/organic phase samples filtration	SLFT045PTFESC	Syringeless Filter Devices, translucent	100
PTFE	chemical corrosive liquid filtration		housing with standard cap, PTFE, 0.45µm	
PVDF, CA	lower nonspecific protein medium analysis			
PES	the sample which needs low protein filtration			
PP	conventional filter and dissolve the matrix filtration			

Technical Specifications

Dimensions	Equivalent in size to 12 x 32 mm vials		
Color	Translucent or amber/clear with blue cap		
Filtering capacity	0.4ml		
Materials of construction	Housing and cap: Polypropylene □□ Filter media: Varies, as specified □□ Septa: PTFE coated silicone rubber		
Maximum operating temperature	120°F; 50°C	Chamber hold-up volume after compression	50 µL