

Syringe Filter



The syringe filter is a single-use membrane based filter cartridge, to be attached with a syringe to remove impurities in liquid solutions. This pre-filtration step is vital in preventing damage to instruments (e.g. liquid chromatography, ICP, etc.).

Disposable syringe filters are widely used in labs for quick and efficient filtering, material purification or even sterilization for solutions <250mL, to avoid setting ups of Buchner filters or similar.

How to Use the syringe filter



DRYING OVEN

LABORATORY INCUBATOR

MUFFLE FURNACE

WATER DISTILLER

WATER BATH & OIL BATH

HEATING MANTLE

STIRRER

MIXER & SHAKER

HEATING PLATE & SAND BATH

DIGESTION APPARATUS & METAL BATH

NITROGEN SAMPLE CONCENTRATOR

CLEAN BENCH

STERILIZER

VACUUM PUMP

FILTRATION

GRINDER

COLONY COUNTER

DRYER

CENTRIFUGE

ELECTRIC FURNACE

LIFTING TABLE

LABORATORY CONSUMABLE

DRYING OVEN

How to select the right membrane syringe filter

LABORATORY INCUBATOR

- Solvent filter adopts high quality borosilicate glass material, uniform wall thickness, no bubbles, beautiful appearance, can be used for high temperature and high pressure sterilization, good sealing performance, fast flow rate, standard grinding.
- The device is lined with a microporous filter membrane.

MUFFLE FURNACE

Glass material specification:

WATER DISTILLER

Features of Your applications

Hydrophilic Syringe Filter

Hydrophobic Syringe Filter

Compatible with aqueous samples only

Compatible with organic and aqueous samples

Compatible with gaseous samples

Can handle high temperature liquids <100 °C

Low protein binding

Nonspecific binding

Excellent flow rates

High throughput loading

Autoclave by 125°C for 15 minutes

Compatible Filter Membrane Type:

PES, Nylon, MCE, Hydrophilic PTFE or PVDF

PTFE, Hydrophobic PVDF

CA, Nylon, or PES

Hydrophilic PTFE, Nylon, or Hydrophilic PVDF

MCE, or PTFE

PES, MCE, or PTFE

MCE, PES, , Hydrophilic PVDF or Hydrophilic PTFE

Nylon or PVDF

MCE, Nylon, PES, PTFE, or PVDF

Nylon, or PTFE

Nylon, MCE, PES, PTFE or PVDF

WATER BATH & OIL BATH

HEATING MANTLE

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DIGESTION APPARATUS & METAL BATH

NITROGEN SAMPLE CONCENTRATOR

Diameter and Pore Size 13 mm Syringe Filters

CLEAN BENCH

- For sample volumes <10 mL range;
- Ideal choice for most applications;
- Holdup (dead) volume is <15 ul.
- Female inlet luer lock
- Maximum operation pressure <15 bar
- Bubble point: Hydrophilic 2-3 bar; Hydrophobic 1-1.2 bar

STERILIZER

VACUUM PUMP

FILTRATION

Diameter and Pore Size 25 mm Syringe Filters

GRINDER

- For sample volumes <100 mL range;
- Holdup (dead) volume is <125 ul.
- Female inlet luer lock
- Maximum operation pressure <10 bar
- Bubble point: Hydrophilic 2-3 bar; Hydrophobic 1-1.2 bar

COLONY COUNTER

DRYER

CENTRIFUGE

Diameter and Pore Size 33 mm filters

ELECTRIC FURNACE

- For sample volumes <250 mL range;
- Holdup (dead) volume is <180 ul.
- Female inlet luer lock
- 33mm filters are ideal for high throughput labs

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LABORATORY CONSUMABLE

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INCUBATOR

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Major Technical Parameters:

Material	Diameter	Pore Size
PES	13mm&25mm&33mm	0.22um&0.45um
Nylon		
MCE		
PTFE(Hydrophobic/Hydrophilic)		
PVDF(Hydrophobic/Hydrophilic)		