

SimplePure™ Sterile Syringe Filter



Introduction

- Membrane Solutions Simplepure™ sterile syringe filter consists of housing and membrane components.
- Transparent PP housing makes filtration process visible and easy to observe.
- Ultrasonic welding and medical grade virgin PP raw material eliminate extractables to ensure excellent testing results.
- Ultimate fine-edge-structure features the maximum effective filtration area.

Features

- Transparent PP housing: Allows users to observe contaminants in filtrate and filtration process
- Ultrasonically welded: Maximizes effective filtration area (EFA)
- **Built-in prefilter: PP prefilter**
- **High Burst pressure (>87 psi or 6 bar)**
- Specifically designed to maximize sample recovery: Minimal sample hold-up volume
- Available pre-sterilized and individually packaged: Ensures sterility during sterile filtration
- Broad compatibility: Making them suitable for many types of applications and solvents
- Pre-filter: SimplePure comes standard with polypropylene microfiber pre-filter layer. Glass fiber pre-filter is available as an option.

Application

- Sterilizing filtration of cell/bacterial cultures
- Buffer sterilization filtration
- Serum sterilization filtration
- Liquid clarification
- Sterilizing filtration of compound preparations
- Filtration sterilization of bioactive substances that cannot be autoclaved
- Ventilation of biological fermentation tank

Part Number Matrix

	Membrane Material	Filter Diameter	Pore Size	Sterile	Wettability	Pre-filter
SF	PES	013	022	N/S	L/B	G/P
	NY=polyamides	004=4mm	010=0.1um	N=Non-sterile	N/A=Hydrophilic	P=PP prefilter
	PTFE	013=13mm	022=0.22um	S=Sterile	B=Hydrophobic	G=Glass fiber prefilter
	PVDF	025=25mm	045=0.45um		L=Hydrophilic	
	PES		080=0.8um			
	RC		100=1.0um			
	CA		300=3um			
	MCE		500=5um			
	GF					
	PP					

Ordering Information

NY	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFNY004010S	SFNY025010S	SFNY033010S	100
	0.22	SFNY004022S	SFNY025022S	SFNY033022S	100
	0.45	SFNY004045S	SFNY025045S	SFNY033045S	100
	0.8	SFNY004080S	SFNY025080S	SFNY033080S	100
	1.0	SFNY004100S	SFNY025100S	SFNY033100S	100
	3.0	SFNY004300S	SFNY025300S	SFNY033300S	100
	5.0	SFNY004500S	SFNY025500S	SFNY033500S	100
	10	SFNY0041000S	SFNY0251000S	SFNY0331000S	100
PTFE-L	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFPTFE004010SL	SFPTFE025010SL	SFPTFE033010SL	100
	0.22	SFPTFE004022SL	SFPTFE025022SL	SFPTFE033022SL	100
	0.45	SFPTFE004045SL	SFPTFE025045SL	SFPTFE033045SL	100
	0.8	SFPTFE004080SL	SFPTFE025080SL	SFPTFE033080SL	100
	1.0	SFPTFE004100SL	SFPTFE025100SL	SFPTFE033100SL	100
	3.0	SFPTFE004300SL	SFPTFE025300SL	SFPTFE033300SL	100
	5.0	SFPTFE004500SL	SFPTFE025500SL	SFPTFE033500NL	100
PTFE-B	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFPTFE004010SB	SFPTFE025010SB	SFPTFE033010SB	100
	0.22	SFPTFE004022SB	SFPTFE025022SB	SFPTFE033022SB	100
	0.45	SFPTFE004045SB	SFPTFE025045SB	SFPTFE033045SB	100
	0.8	SFPTFE004080SB	SFPTFE025080SB	SFPTFE033080SB	100
	1.0	SFPTFE004100SB	SFPTFE025100SB	SFPTFE033100SB	100
	3.01.2	SFPTFE004300SB	SFPTFE025300SB	SFPTFE033300SB	100

	5.0	SFPTFE004500SB	SFPTFE025500SB	SFPTFE033500SB	100
PVDF-L	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFPVDF004010SL	SFPVDF025010SL	SFPVDF033010SL	100
	0.22	SFPVDF004022SL	SFPVDF025022SL	SFPVDF033022SL	100
	0.45	SFPVDF004045SL	SFPVDF025045SL	SFPVDF033045SL	100
	0.8	SFPVDF004080SL	SFPVDF025080SL	SFPVDF033080SL	100
	1.0	SFPVDF004100SL	SFPVDF025100SL	SFPVDF033100SL	100
PVDF-B	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFPVDF004010SB	SFPVDF025010SB	SFPVDF033010SB	100
	0.22	SFPVDF004022SB	SFPVDF025022SB	SFPVDF033022SB	100
	0.45	SFPVDF004045SB	SFPVDF025045SB	SFPVDF033045SB	100
	0.8	SFPVDF004080SB	SFPVDF025080SB	SFPVDF033080SB	100
	1.0	SFPVDF004100SB	SFPVDF025100SB	SFPVDF033100SB	100
PES	Pore size(μm)	4	13	25	Qty/Pk
	0.1	SFPES004010S	SFPES025010S	SFPES033010S	100
	0.22	SFPES004022S	SFPES025022S	SFPES033022S	100
	0.45	SFPES004045S	SFPES025045S	SFPES033045S	100
	0.8	SFPES004080S	SFPES025080S	SFPES033080S	100
	1.0	SFPES004100S	SFPES025100S	SFPES033100S	100
	1.2	SFPES004120S	SFPES025120S	SFPES033120S	100
	5.0	SFPES004500S	SFPES025500S	SFPES033500S	100
RC	Pore size(μm)	4	13	25	Qty/Pk
	0.22	SFRC000422S	SFRC013022S	SFRC025022S	100
	0.45	SFRC000445S	SFRC013045S	SFRC025045S	100
CA	Pore size(μm)	4	13	25	Qty/Pk
	0.22	SFCA004022S	SFCA013022S	SFCA025022S	100
	0.45	SFCA004045S	SFCA013045S	SFCA025045S	100
	1.0	SFCA004100S	SFCA013100S	SFCA025100S	100
MCE	Pore size(μm)	4	13	25	Qty/Pk
	0.22	SFMCE004022S	SFMCE013022S	SFMCE025022S	100
	0.45	SFMCE004045S	SFMCE013045S	SFMCE025045S	100
	0.8	SFMCE004080S	SFMCE013080S	SFMCE025080S	100
	1.0	SFMCE004100S	SFMCE013100S	SFMCE025100S	100
GF	Pore size(μm)	4	13	25	Qty/Pk
	0.7	SFGF004070S	SFGF013070S	SFGF025070S	100
	1.0	SFGF004100S	SFGF013100S	SFGF025100S	100
	2.7	SFGF004270S	SFGF013270S	SFGF025270S	100
PP	Pore size(μm)	4	13	25	Qty/Pk
	0.22	SFPP004022S	SFPP013022S	SFPP025022S	100
	0.45	SFPP004045S	SFPP013045S	SFPP025045S	100