

Syringe Filters

Astraglass Syringe Filters deliver fast, reliable removal of particulates, precipitates, and microorganisms from liquid and gas samples — the critical first step before HPLC injection, dissolution testing, biological sample preparation, and analytical or process work where sample integrity determines whether the result downstream can be trusted.

Seven Membrane types available, with 0.22 μ m or 0.45 μ m pore sizes. Polypropylene syringe filter housing, from 13mm, 25mm to 33mm for larger volumes, in sterile and non-sterile formats, sterile Syringe filters are individually blister packed. Each Syringe Filter is color coded and labeled for membrane type and diameter to take the guess work out of selection.

Why Astraglass Syringe Filters

- 1 Seven membrane types covering every major application — Nylon, PES, PTFE (Hydrophilic & Hydrophobic), PVDF, Cellulose Acetate, and Polypropylene
- 2 Sterile and non-sterile formats, multiple pore sizes (0.22 μ m / 0.45 μ m) and diameters (13 / 25 / 33mm)
- 3 Manufactured to ISO 9001 standards under certified clean-room conditions, with lot-to-lot traceability
- 4 HPLC-grade extractables certified — built for analytical work where contamination isn't an option
- 5 Backed by the same reliability and service standards you already know from Astraglass

Applications

- HPLC / UHPLC sample preparation
- Sample Clean-up prior to electrophoresis
- Environmental sample filtration (water, soil)
- Pharmaceutical & biotech QC/QA and R&D workflows
- Food & beverage product testing
- Biological sample clean-up



Membrane Types

- **Nylon (Hydrophilic) Yellow** — General-purpose HPLC/ UHPLC sample prep and routine QC filtration, with excellent flow and broad solvent compatibility.
- **PES (Polyethersulfone) (Hydrophilic) Green** — Very low protein and compound binding - the preferred choice for protein-containing biological samples and buffers.
- **PTFE (Hydrophilic) Red** — Broad chemical resistance with a wettable surface, suited to aggressive aqueous and organic mixtures, including strong acids and bases.
- **PTFE (Hydrophobic) Red** — The standard choice for organic solvents, concentrated acids/bases, and gas or air venting applications.
- **PVDF (Hydrophilic) Dark Red** — Low extractables with strong solvent compatibility — ideal for protein solutions and biological samples sensitive to non-specific binding.
- **Cellulose Acetate (Hydrophilic) Blue** — Naturally low protein binding, gentle on sensitive biological and aqueous samples, well-suited to sterile media filtration.
- **Polypropylene (Hydrophilic) Tan** — No adhesives or binders — minimizes extractables and leachables for trace analysis and contamination-sensitive testing.

Technical Parameters

Diameter	13mm	25mm	33mm
Filtration Area	0.92cm ²	2.98cm ²	4.9cm ²
Hold-Up Volume	10µL	100µL	120µL
Typical Sample Volume	up to 10mL	up to 100mL	up to 200mL
Max Operating Pressure	87 psi	87 psi	87 psi

Ordering Information



ITEM#	DESCRIPTION	PORE SIZE	DIAMETER	STERILITY	PACK SIZE
AG-SFNY013022NA	Nylon Syringe Filter	0.22µm	13mm	Non-sterile	100pcs/pk
AG-SFNY025022NA	Nylon Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFNY025045NA	Nylon Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPES013022NA	PES Syringe Filter	0.22µm	13mm	Non-sterile	100pcs/pk
AG-SFPES025022NA	PES Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFPES025045NA	PES Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPTFE013022NLA	PTFE Hydrophilic Syringe Filter	0.22µm	13mm	Non-sterile	100pcs/pk
AG-SFPTFE025022NLA	PTFE Hydrophilic Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFPTFE025045NLA	PTFE Hydrophilic Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPTFE025022NBA	PTFE Hydrophobic Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFPTFE025045NBA	PTFE Hydrophobic Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPVDF013022NLA	PVDF Hydrophilic Syringe Filter	0.22µm	13mm	Non-sterile	100pcs/pk
AG-SFPVDF025022NLA	PVDF Hydrophilic Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFPVDF025045NLA	PVDF Hydrophilic Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPP025022NA	PP Syringe Filter	0.22µm	25mm	Non-sterile	100pcs/pk
AG-SFPP025045NA	PP Syringe Filter	0.45µm	25mm	Non-sterile	100pcs/pk
AG-SFPES025022SI	PES Syringe Filter	0.22µm	25mm	Sterile	100pcs/pk
AG-SFPES033022SI	PES Syringe Filter	0.22µm	33mm	Sterile	100pcs/pk
AG-SFPES025045SI	PES Syringe Filter	0.45µm	25mm	Sterile	100pcs/pk
AG-SFPES033045SI	PES Syringe Filter	0.45µm	33mm	Sterile	100pcs/pk
AG-SFCA025022SI	CA Syringe Filter	0.22µm	25mm	Sterile	100pcs/pk
AG-SFCA033022SI	CA Syringe Filter	0.22µm	33mm	Sterile	100pcs/pk
AG-SFPVDF025022SLI	PVDF Hydrophilic Syringe Filter	0.22µm	25mm	Sterile	100pcs/pk
AG-SFPVDF033022SLI	PVDF Hydrophilic Syringe Filter	0.22µm	33mm	Sterile	100pcs/pk