

Press & Go!

Step up your sample preparation with
eXfil syringeless filter vials from
Chromex Scientific



eXfil integrates the following into one single device:
auto-sampler vial, filtration membrane, plunger, and cap/septa.

- **Save money** – Eliminate the need for separate syringes, syringe filters, vials and septa, reducing sample preparation costs by 50%
- **Save operator time** – 15 seconds with eXfil, against 3 minutes with conventional sample preparation methods
- **Speed up process with high throughput automation** – Designed and compatible for use with all HPLC or UHPLC auto-samplers
- **Preserve precious samples** – Start with less sample volume; dead volume as low as 30 microliters (µL)
- **Reduce risk of cross-contaminations** – No cumbersome steps transferring sample between different devices
- **Extend column life and needle longevity** – Reduce risks of clogging and back pressure build up
- **Increase operator security** – Safer single step process
- **Reduce identification errors** – Color-coded caps by membrane type and pore size



SAVE MONEY



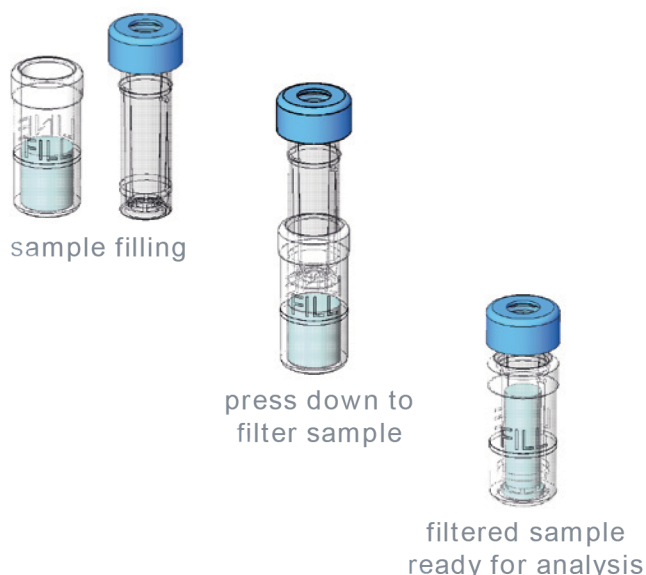
SAVE TIME



MAXIMIZE SAMPLE
RECOVERY



PRESERVE PRECIOUS
SAMPLES



Technical Specifications

Dimensions – 12 mm diameter x 32 mm height

Materials – Housing, cap: polypropylene;
septa: PTFE/silicone

Maximum Volume – 480 microliters (μL)

Dead Volume – 30 microliters (μL)

Compression Force – 8 psi (0.6 bar) approximately

Maximum Operating Temperature – 50°C (120°F)

Automation – Designed for use with all auto-samplers and compressor units

Applications

Membrane	Properties	Compounds Class
PTFE (Polytetrafluoroethylene)	Hydrophobic - Chemically and biologically inert - Superior chemical resistance	Organic solvents, acids, alcohols, bases, aromatics
RC (Regenerated Cellulose)	Hydrophilic - Very low protein binding - Resistant to a wide range of solvents	Aqueous and organic solutions
NY (Nylon)	Hydrophilic - Low protein binding - Superior strength - Resistant to organic solvents	Bases, HPLC solvents, alcohols, aromatic hydrocarbons
PVDF (Polyvinylidene Fluoride)	Hydrophilic - Very low protein binding - High flow rates	Alcohols, biomolecules
PES (Polyethersulfone)	Hydrophilic - Designed to remove particulates - Low protein and drug binding - High strength and durability	Filtration of buffers and culture media

Ordering information

Membrane Material	Pore Size (μm)	Color	Product Code
			100/pk
Polytetrafluoroethylene (PTFE)	0.20	 Pink	EXF-PTFE-20
Polytetrafluoroethylene (PTFE)	0.45	 Red	EXF-PTFE-45
Regenerated Cellulose (RC)	0.20	 Gray	EXF-RC-20
Regenerated Cellulose (RC)	0.45	 Black	EXF-RC-45
Nylon (NY)	0.20	 Light Blue	EXF-NY-20
Nylon (NY)	0.45	 Blue	EXF-NY-45
Polyvinylidene Fluoride (PVDF)	0.20	 Yellow	EXF-PVDF-20
Polyvinylidene Fluoride (PVDF)	0.45	 Orange	EXF-PVDF-45
Polyethersulfone (PES)	0.20	 Light Green	EXF-PES-20
Polyethersulfone (PES)	0.45	 Dark Green	EXF-PES-45