



Chroma Globe OEM Filter Vials

Technical Specification

Parameter	Specification
Dimension:	32mm x 12mm
Material Vial:	Polypropylene
Material Cap:	Polypropylene
Material Septa:	UltraClean Silicone white/PTFE red, cross-slit (upon request non slit version available)
Volume (max):	480µl
Dead Volume:	30µl
Compressive strength:	approx. 8psi (0.6 bar)
Operating Temperature:	50 degree C (max)

Analytical Specification

Membrane Type	Characteristics	Compounds Class
RC (Regenerated Cellulose)	Hydrophilic <ul style="list-style-type: none"> • Very low protein binding • Resistant to a wide range of solvents. 	Aqueous and organic solutions
PVDF (Polyvinylidene Fluoride)	Hydrophilic <ul style="list-style-type: none"> • Very low protein binding. • High flow rates for faster 	Alcohols, Biomolecules
NY (Nylon)	Hydrophilic <ul style="list-style-type: none"> • Low protein binding • Superior performance 	Bases, HPLC solvents, alcohols, aromatic hydrocarbons
PTFE (Polytetrafluoroethylene)	Hydrophobic <ul style="list-style-type: none"> • Chemically and biologically inert • Superior chemical resistance. 	Organic solvents, acids, alcohols, bases, aromatics
PES (Polyethersulfone)	Hydrophilic <ul style="list-style-type: none"> • Designed to remove particulates • Low protein and drug binding 	Filtration of buffers and culture media

Features and Benefits

Feature	Benefit
Save user time	approx. 15 – 20 seconds versus 3 minutes with conventional methods of sample preparation
Faster processing	Designed and compatible to speed up your process with high-throughput automation for use with any HPLC or UHPLC autosampler
Minimise the risk of cross contamination	Eliminate troublesome steps for sample transfer between instruments
Extend the life of the column and the needle	Reduce the risk of clogging and build-up of back pressure
Reduction of identification errors	Colour-coded caps according to membrane type and pore size
Savings in the cost of consumables	Eliminate the need for separate syringes, syringe filters, vials and septa, reducing sample preparation cost

Article No.	Colour	Description	Membrane	Pore Size
FV 11 2142	grey	Filter Vial	Regenerated Cellulose	0,20µm
FV 11 2143	black	Filter Vial	Regenerated Cellulose	0,45µm
FV 11 2144	yellow	Filter Vial	PVDF	0,20µm
FV 11 2145	orange	Filter Vial	PVDF	0,45µm
FV 11 2146	light-blue	Filter Vial	Nylon	0,20µm
FV 11 2147	dark-blue	Filter Vial	Nylon	0,45µm
FV 11 2148	pink	Filter Vial	PTFE	0,20µm
FV 11 2149	red	Filter Vial	PTFE	0,45µm
FV 11 2150	light-green	Filter Vial	PES	0,20µm
FV 11 2151	dark-green	Filter Vial	PES	0,45µm