



Vacuum Filtration

GVS Vacuum Filters are very useful in large volume samples separation and purification.

- Available with 5 membrane sorts of PVDF, PES, MCE, Nylon and CA
- 3 membrane pore sizes of 0.10 µm, 0.22 µm and 0.45 µm
- 4 volumes size of 150, 250, 500 and 1000 ml
- Light weight and heavy wall construction
- Large knurls on the reservoir bottle cap for easy screw
- Designed wide and easy access bottle mouth for efficiently and stably pour out
- Engraved graduation ensure veracity
- Ergonomically designed sidewalls and collar can simplify tightening / loosening and adjustments
- Designed hose connector can fit multiplicate hose diameters
- Non-pyrogenic
- Gamma irradiation sterilized



Ordering Information

- Vacuum packaged in easy tear-to-open plastic bag and receiver bottle cap is individually wrapped
- Each individual unit is lot-numbered for easy identification and tracking

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AMERICA

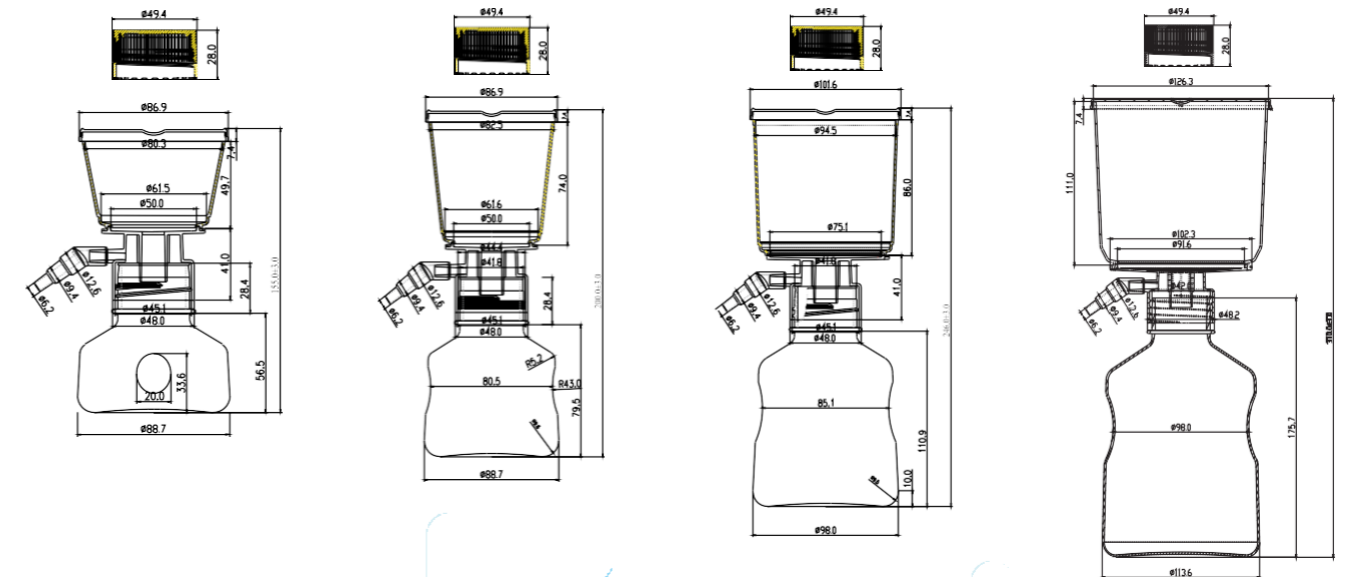
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Housing Material	Capacity (ml)	Full Unit Overall Height (mm)	Filter Diameter (mm)	Working Volume (ml)	Hold-up Volume (ml)	Linker and Cap Material	Fitting Outlet (mm)	Maximum Operating Temperature (°C)
ABS	150	156	50	150	3	PP	45	45
ABS	250	200	50	250	3	PP	45	45
ABS	500	500	75	500	3	PP	45	45
ABS	1000	1000	91	1000	3	PP	45	45

Disposable Filtration Products

GVS Laboratory Filtration Products series, including syringe filters and Vacuum Filters, are designed specifically for the filtration of culture media and organic solvents in research and industrial laboratories. They are purpose-built with features designed to bring the highest levels of performance and purity to your research. A variety of membrane types and membrane areas are for choice that offer the wide applicability range for separation and purification of most liquid samples to meet different laboratory needs. The filtration products should be driven by syringes or vacuum pumps. All the products are manufactured with high quality material [Acrylonitrile butadiene styrene (ABS), Polypropylene (PP) or Polystyrene (GPPS)] and by proven technique, which assure them work under pressure and still hold integrity.

Tips on choosing membrane MCE (Mixed Cellulose Ester)

By the mixture of nitrocellulose and cellulose acetate, hydrophilic, chemical compatibility, low protein adsorption. The use temperature can not be higher than 40°C, the optimum pH range is 3-6.

Particle analysis, particle removal, biochemical analysis, HPLC sample preparation for general media and aqueous solutions.

Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.
MCF	0.22	150	050	12/PK	EXVF0150YNC02AZS
	0.22	250	050	12/PK	EXVF0250YNC02AZS
	0.22	500	075	12/PK	EXVF0500YNC02BZS
	0.22	1000	091	12/PK	EXVF1000YNC02CZS
	0.45	150	050	12/PK	EXVF0150YNC04AZS
	0.45	250	050	12/PK	EXVF0250YNC04AZS
	0.45	500	075	12/PK	EXVF0500YNC04BZS
	0.45	1000	091	12/PK	EXVF1000YNC04CZS
	0.1	150	050	12/PK	EXVF0150YPS01AZS
	0.1	250	050	12/PK	EXVF0250YPS01AZS
PES	0.22	150	050	12/PK	EXVF0150YPS02AZS
	0.22	250	075	12/PK	EXVF0250YPS02BZS
	0.22	500	075	12/PK	EXVF0500YPS02BZS
	0.22	1000	091	12/PK	EXVF1000YPS02CZS
	0.45	150	050	12/PK	EXVF0150YPS04AZS
	0.45	250	050	12/PK	EXVF0250YPS04AZS
	0.45	250	075	12/PK	EXVF0250YPS04BZS
	0.45	500	075	12/PK	EXVF0500YPS04BZS
	0.45	1000	091	12/PK	EXVF1000YPS04CZS
	0.1	150	050	12/PK	EXVF0150YPV01AZS
PVDF	0.1	250	050	12/PK	EXVF0250YPV01AZS
	0.1	500	075	12/PK	EXVF0500YPV01BZS
	0.1	1000	091	12/PK	EXVF1000YPV01CZS
	0.22	150	050	12/PK	EXVF0150YPV02AZS
	0.22	250	050	12/PK	EXVF0250YPV02AZS
	0.22	500	075	12/PK	EXVF0500YPV02BZS
	0.22	1000	091	12/PK	EXVF1000YPV02CZS
	0.45	150	050	12/PK	EXVF0150YPV04AZS
	0.45	250	050	12/PK	EXVF0250YPV04AZS
	0.45	500	075	12/PK	EXVF0500YPV04BZS
0.45	1000	091	12/PK	EXVF1000YPV04CZS	

NY (Nylon)

Providing a broad range of chemical compatibility of the filtration of either aqueous or organic solvents, hydrophilic, can be used in a broad pH range.

PVDF (Polyvinylidene fluoride)

Extremely low protein-binding, for filtration of non-aggressive aqueous and mild organic solutions, or where maximizing protein recovery is important.

PES (Polyethersulfone)

Low-affinity for proteins and extractable with substantially faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.

PTFE (Polytetrafluoroethylene)

Extremely strong chemically resistant and is compatible with various sterilizing methods; ideal for gas and in organic or organic samples in aggressive environments.

CA (Cellulose Acetate)

Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.
Nylon	0.22	150	050	12/PK	EXVF0150YNY02AZS
	0.22	250	050	12/PK	EXVF0250YNY02AZS
	0.22	500	075	12/PK	EXVF0500YNY02BZS
	0.22	1000	091	12/PK	EXVF1000YNY02CZS
	0.45	150	050	12/PK	EXVF0150YNY04AZS
	0.45	250	050	12/PK	EXVF0250YNY04AZS
	0.45	500	075	12/PK	EXVF0500YNY04BZS
	0.45	1000	091	12/PK	EXVF1000YNY04CZS
	0.22	150	050	12/PK	EXVF0150YCA02AZS
	0.22	250	050	12/PK	EXVF0250YCA02AZS
CA	0.22	500	075	12/PK	EXVF0500YCA02BZS
	0.22	1000	091	12/PK	EXVF1000YCA02CZS
	0.45	150	050	12/PK	EXVF0150YCA04AZS
	0.45	250	050	12/PK	EXVF0250YCA04AZS
	0.45	500	075	12/PK	EXVF0500YCA04BZS
	0.45	1000	091	12/PK	EXVF1000YCA04CZS
	0.22	150	050	12/PK	EXVF0150YXP02AZS
	0.22	250	050	12/PK	EXVF0250YXP02AZS
	0.22	500	075	12/PK	EXVF0500YXP02BZS
	0.22	1000	091	12/PK	EXVF1000YXP02CZS
PES Hi-Flo	0.45	150	050	12/PK	EXVF0150YXP04AZS
	0.45	250	050	12/PK	EXVF0250YXP04AZS
	0.45	500	075	12/PK	EXVF0500YXP04BZS
	0.45	1000	091	12/PK	EXVF1000YXP04CZS

Strength and dimension stability. Uniform pore structure and high throughput.

Bottle Top Filter

GVS Bottle Top Filters are very useful in research laboratories for sterilization or laboratory fluid clarification



Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.
PES	0.10	150	050	24/PK	EXBT0150YPS01AWS
	0.10	250	050	24/PK	EXBT0250YPS01AWS
	0.10	500	075	24/PK	EXBT0500YPS01BWS
	0.10	1000	091	24/PK	EXBT1000YPS01CWS
	0.22	150	050	24/PK	EXBT0150YPS02AWS
	0.22	250	050	24/PK	EXBT0250YPS02AWS
	0.22	250	075	24/PK	EXBT0250YPS02BWS
	0.22	500	075	24/PK	EXBT0500YPS02BWS
	0.22	1000	091	24/PK	EXBT1000YPS02CWS
	0.45	150	050	24/PK	EXBT0150YPS04AWS
PVDF	0.45	250	050	24/PK	EXBT0250YPS04AWS
	0.45	250	075	24/PK	EXBT0250YPS04BWS
	0.45	500	075	24/PK	EXBT0500YPS04BWS
	0.45	1000	091	24/PK	EXBT1000YPS04CWS
	0.10	150	050	24/PK	EXBT0150YPV01AWS
	0.10	250	050	24/PK	EXBT0250YPV01AWS
	0.10	500	075	24/PK	EXBT0500YPV01BWS
	0.10	1000	091	24/PK	EXBT1000YPV01CWS
	0.22	150	050	24/PK	EXBT0150YPV02AWS
	0.22	250	050	24/PK	EXBT0250YPV02AWS
Nylon	0.22	500	075	24/PK	EXBT0500YPV02BWS
	0.22	1000	091	24/PK	EXBT1000YPV02CWS
	0.45	150	050	24/PK	EXBT0150YPV04AWS
	0.45	250	050	24/PK	EXBT0250YPV04AWS
	0.45	500	075	24/PK	EXBT0500YPV04BWS
	0.45	1000	091	24/PK	EXBT1000YPV04CWS
	0.22	150	050	24/PK	EXBT0150YNY02AWS
	0.22	250	050	24/PK	EXBT0250YNY02AWS
	0.22	500	075	24/PK	EXBT0500YNY02BWS
	0.22	1000	091	24/PK	EXBT1000YNY02CWS
CA	0.45	150	050	24/PK	EXBT0150YNY04AWS
	0.45	250	050	24/PK	EXBT0250YNY04AWS
	0.45	500	075	24/PK	EXBT0500YNY04BWS
	0.45	1000	091	24/PK	EXBT1000YNY04CWS
	0.22	150	050	24/PK	EXBT0150YCA02AWS
	0.22	250	050	24/PK	EXBT0250YCA02AWS
	0.22	500	075	24/PK	EXBT0500YCA02BWS
	0.22	1000	091	24/PK	EXBT1000YCA02CWS
	0.45	150	050	24/PK	EXBT0150YCA04AWS
	0.45	250	050	24/PK	EXBT0250YCA04AWS
0.45	500	075	24/PK	EXBT0500YCA04BWS	
0.45	1000	091	24/PK	EXBT1000YCA04CWS	

Solution Bottle



Capacity (ml)	Sterile	Package	Cat No.
150	Yes	24/PK	EXBO0150G000000WS
250	Yes	24/PK	EXBO0250G000000WS
500	Yes	24/PK	EXBO0500G000000WS
1000	Yes	24/PK	EXBO1000G000000WS

- Available with 5 membrane sorts of PVDF, PES, MCE, CA and Nylon
- 3 membrane pore sizes of 0.10 µm, 0.22 µm and 0.45 µm
- 4 volume sizes of 150, 250, 500 and 1000ml
- Light weight and heavy wall construction
- Designed wide and easy access bottle mouth for efficiently and stably
- Non-pyrogenic
- Gamma irradiation sterilized

Ordering Information

- Packaged in easy peel-to-open plastic bag
- Each individual unit is lot-numbered for easy identification

Distributed by:

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