



FILTER TECHNOLOGY

EXTRACTO

Vacuum Filtration

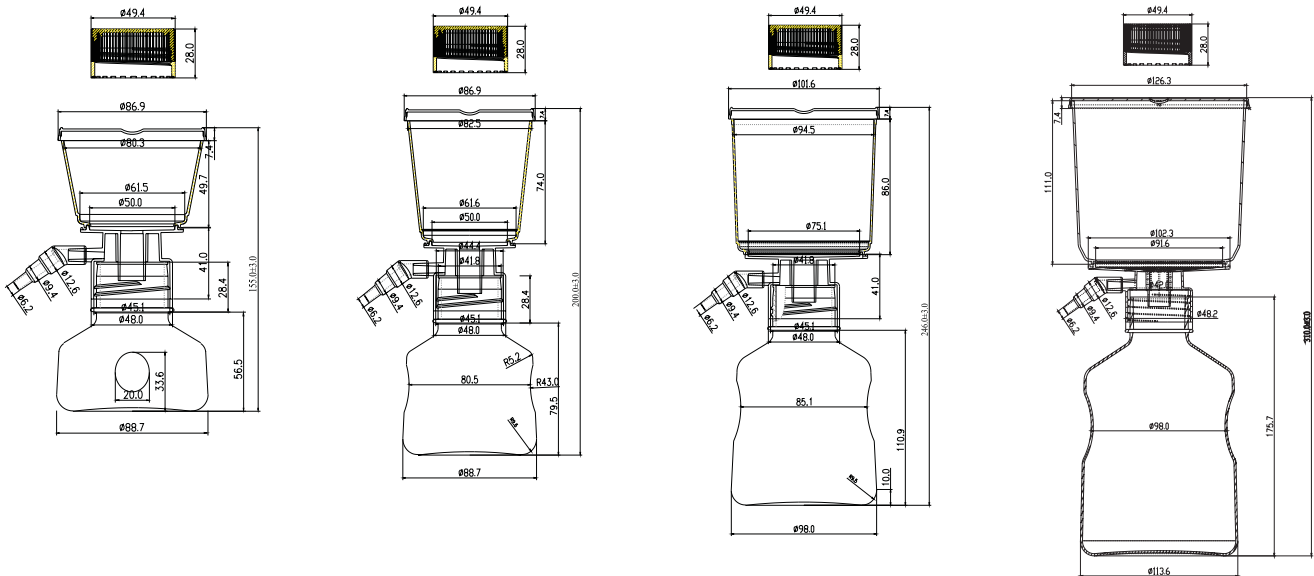
GVS Vacuum Filters are very useful in large volume samples separation and purification.

- 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



Housing Material	Capacity (ml)	Full Unit Overall Height (mm)	Filter Diameter (mm)	Working Volume (mm)	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 (ABS, PP or 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.

Can not be used to filter ethanol and alkaline solution.

Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.
MCE	0,22	150	Ø50	12/PK	EXVF0150BNC02AZS
	0,22	250	Ø50	12/PK	EXVF0250BNC02AZS
	0,22	500	Ø75	12/PK	EXVF0500BNC02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BNC02CZS
	0,45	150	Ø50	12/PK	EXVF0150BNC04AZS
	0,45	250	Ø50	12/PK	EXVF0250BNC04AZS
	0,45	500	Ø75	12/PK	EXVF0500BNC04BZS
	0,45	1000	Ø91	12/PK	EXVF1000BNC04CZS
	0,1	150	Ø50	12/PK	EXVF0150BPS01AZS
	0,1	250	Ø50	12/PK	EXVF0250BPS01AZS
PES	0,1	500	Ø75	12/PK	EXVF0500BPS01BZS
	0,1	1000	Ø91	12/PK	EXVF1000BPS01CZS
	0,22	150	Ø50	12/PK	EXVF0150BPS02AZS
	0,22	250	Ø50	12/PK	EXVF0250BPS02AZS
	0,22	250	Ø75	12/PK	EXVF0250BPS02BZS
	0,22	500	Ø75	12/PK	EXVF0500BPS02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BPS02CZS
	0,45	150	Ø50	12/PK	EXVF0150BPS04AZS
	0,45	250	Ø50	12/PK	EXVF0250BPS04AZS
	0,45	250	Ø75	12/PK	EXVF0250BPS04BZS
PVDF	0,45	500	Ø75	12/PK	EXVF0500BPS04BZS
	0,45	1000	Ø91	12/PK	EXVF1000BPS04CZS
	0,1	150	Ø50	12/PK	EXVF0150BPV01AZS
	0,1	250	Ø50	12/PK	EXVF0250BPV01AZS
	0,1	500	Ø75	12/PK	EXVF0500BPV01BZS
	0,1	1000	Ø91	12/PK	EXVF1000BPV01CZS
	0,22	150	Ø50	12/PK	EXVF0150BPV02AZS
	0,22	250	Ø50	12/PK	EXVF0250BPV02AZS
	0,22	500	Ø75	12/PK	EXVF0500BPV02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BPV02CZS

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 were 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

Lowest binding material available Hydrophilic and high throughput Strength and dimension stability Uniform pore structure.

Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.
Nylon	0,22	150	Ø50	12/PK	EXVF0150BNY02AZS
	0,22	250	Ø50	12/PK	EXVF0250BNY02AZS
	0,22	500	Ø75	12/PK	EXVF0500BNY02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BNY02CZS
	0,45	150	Ø50	12/PK	EXVF0150BNY04AZS
	0,45	250	Ø50	12/PK	EXVF0250BNY04AZS
	0,45	500	Ø75	12/PK	EXVF0500BNY04BZS
	0,45	1000	Ø91	12/PK	EXVF1000BNY04CZS
	0,22	150	Ø50	12/PK	EXVF0150BCA02AZS
	0,22	250	Ø50	12/PK	EXVF0250BCA02AZS
CA	0,22	500	Ø75	12/PK	EXVF0500BCA02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BCA02CZS
	0,45	150	Ø50	12/PK	EXVF0150BCA04AZS
	0,45	250	Ø50	12/PK	EXVF0250BCA04AZS
	0,45	500	Ø75	12/PK	EXVF0500BCA04BZS
	0,45	1000	Ø91	12/PK	EXVF1000BCA04CZS
	0,22	150	Ø50	12/PK	EXVF0150BPX02AZS
	0,22	250	Ø50	12/PK	EXVF0250BPX02AZS
	0,22	500	Ø75	12/PK	EXVF0500BPX02BZS
	0,22	1000	Ø91	12/PK	EXVF1000BPX02CZS
PES Hi-Flu	0,45	150	Ø50	12/PK	EXVF0150BPX04AZS
	0,45	250	Ø50	12/PK	EXVF0250BPX04AZS
	0,45	500	Ø75	12/PK	EXVF0500BPX04BZS
	0,45	1000	Ø91	12/PK	EXVF1000BPX04CZS

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	EXBT0150BPS01AWS	
	0.10	250	050	24/PK	EXBT0250BPS01AWS	
	0.10	500	075	24/PK	EXBT0500BPS01BWS	
	0.10	1000	091	24/PK	EXBT1000BPS01CWS	
	0.22	150	050	24/PK	EXBT0150BPS02AWS	
	0.22	250	050	24/PK	EXBT0250BPS02AWS	
	0.22	250	075	24/PK	EXBT0250BPS02BWS	
	0.22	500	075	24/PK	EXBT0500BPS02BWS	
	0.22	1000	091	24/PK	EXBT1000BPS02CWS	
	0.45	150	050	24/PK	EXBT0150BPS04AWS	
	0.45	250	050	24/PK	EXBT0250BPS04AWS	
	0.45	250	075	24/PK	EXBT0250BPS04BWS	
	0.45	500	075	24/PK	EXBT0500BPS04BWS	
	0.45	1000	091	24/PK	EXBT1000BPS04CWS	
	PVDF	0.10	150	050	24/PK	EXBT0150BPV01AWS
		0.10	250	050	24/PK	EXBT0250BPV01AWS
0.10		500	075	24/PK	EXBT0500BPV01BWS	
0.10		1000	091	24/PK	EXBT1000BPV01CWS	
0.22		150	050	24/PK	EXBT0150BPV02AWS	
0.22		250	050	24/PK	EXBT0250BPV02AWS	
0.22		500	075	24/PK	EXBT0500BPV02BWS	
0.22		1000	091	24/PK	EXBT1000BPV02CWS	
0.45		150	050	24/PK	EXBT0150BPV04AWS	
0.45		250	050	24/PK	EXBT0250BPV04AWS	
0.45		500	075	24/PK	EXBT0500BPV04BWS	
0.45		1000	091	24/PK	EXBT1000BPV04CWS	

- 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

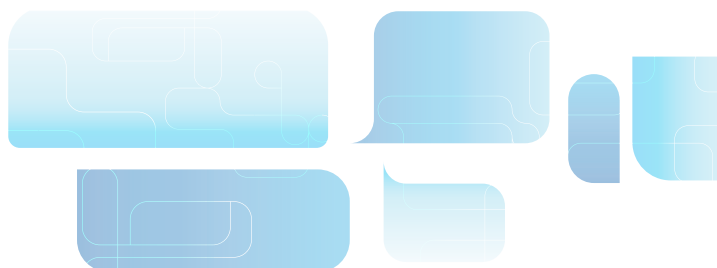
- Packaged in easy peel-to-open plastic bag
- Each individual unit is lot-numbered for easy identification

Membrane Material	Pore Size (µm)	Capacity (ml)	Membrane Diameter (mm)	Package	Cat No.	
MCE	0.22	150	050	24/PK	EXBT0150BNC02AWS	
	0.22	250	050	24/PK	EXBT0250BNC02AWS	
	0.22	500	075	24/PK	EXBT0500BNC02BWS	
	0.22	1000	091	24/PK	EXBT1000BNC02CWS	
	0.45	150	050	24/PK	EXBT0150BNC04AWS	
	0.45	250	050	24/PK	EXBT0250BNC04AWS	
	0.45	500	075	24/PK	EXBT0500BNC04BWS	
	0.45	1000	091	24/PK	EXBT1000BNC04CWS	
	PES Hi-Flo	0.22	150	050	24/PK	EXBT0150BPX02AWS
		0.22	250	050	24/PK	EXBT0250BPX02AWS
		0.22	500	075	24/PK	EXBT0500BPX02BWS
		0.22	1000	091	24/PK	EXBT1000BPX02CWS
0.45		150	050	24/PK	EXBT0150BPX04AWS	
0.45		250	050	24/PK	EXBT0250BPX04AWS	
0.45		500	075	24/PK	EXBT0500BPX04BWS	
0.45		1000	091	24/PK	EXBT1000BPX04CWS	
Nylon		0.22	150	050	24/PK	EXBT0150BNY02AWS
		0.22	250	050	24/PK	EXBT0250BNY02AWS
		0.22	500	075	24/PK	EXBT0500BNY02BWS
		0.22	1000	091	24/PK	EXBT1000BNY02CWS
	0.45	150	050	24/PK	EXBT0150BNY04AWS	
	0.45	250	050	24/PK	EXBT0250BNY04AWS	
	0.45	500	075	24/PK	EXBT0500BNY04BWS	
	0.45	1000	091	24/PK	EXBT1000BNY04CWS	
	CA	0.22	150	050	24/PK	EXBT0150BCA02AWS
		0.22	250	050	24/PK	EXBT0250BCA02AWS
		0.22	500	075	24/PK	EXBT0500BCA02BWS
		0.22	1000	091	24/PK	EXBT1000BCA02CWS
0.45		150	050	24/PK	EXBT0150BCA04AWS	
0.45		250	050	24/PK	EXBT0250BCA04AWS	
0.45		500	075	24/PK	EXBT0500BCA04BWS	
0.45		1000	091	24/PK	EXBT1000BCA04CWS	

Solution Bottle

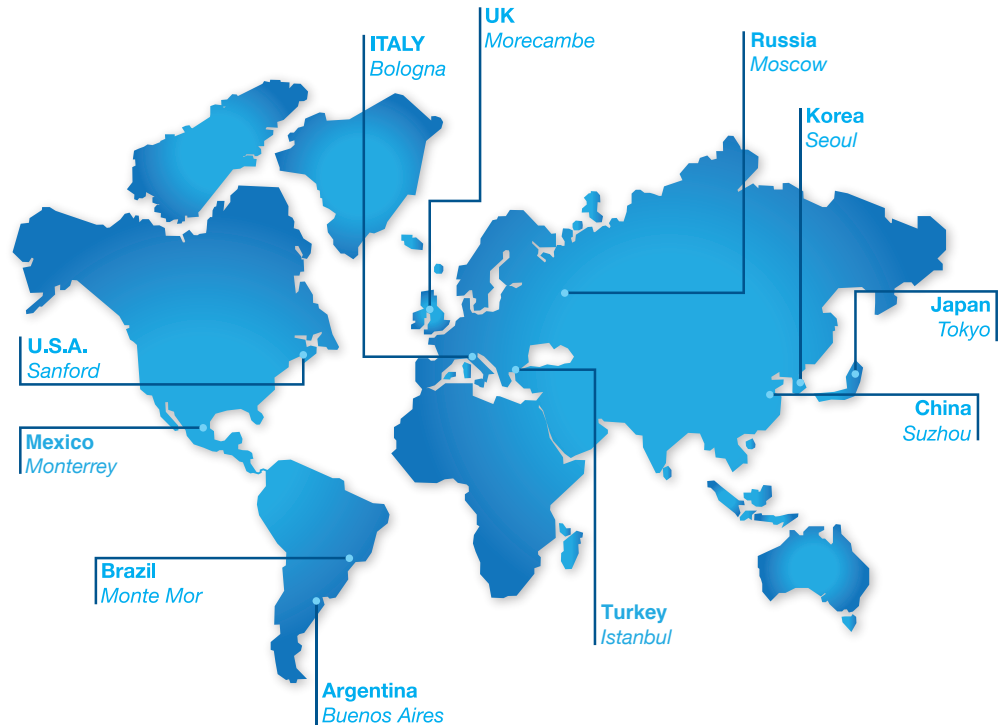


Capacity(ml)	Sterile	Package	Cat No.
150	Yes	24/PK	EXB00150B000000WS
250	Yes	24/PK	EXB00250B000000WS
500	Yes	24/PK	EXB00500B000000WS
1000	Yes	24/PK	EXB01000B000000WS





FILTER TECHNOLOGY



EUROPE

Italy Office
Headquarters
GVS S.p.A.
Via Roma 50
40069 Zola Predosa (BO) - Italy
Tel. +39 051 6176311
Fax +39 051 6176200
lifesciences.it@gvs.com

United Kingdom
GVS Filter Technology UK Ltd.
NFC House
Vickers Industrial Estate
Mellishaw Lane, Morecambe
Lancashire LA3 3EN
Tel. +44 (0) 1524 847600
lifesciences.uk@gvs.com

Russia
GVS Russia LLC
Profsoyuznaya Street, 25-A, office 102
117418, Moscow
Russian Federation (Russia)
Tel. +7 495 0045077
lifesciences.ru@gvs.com

Romania
GVS Microfiltrazione srl
Sat Ciorani de Sus 1E
107156 Ciorani
Prahova România
Tel. +40 244 463044
lifesciences.ro@gvs.com

Turkey
GVS Türkiye
Cevizli mah. Zuhul cad. Ritim Istanbul
no: 44 A-1 Blok D.371 Maltepe / Istanbul
Tel. +90 216 504 47 67
lifesciences.tr@gvs.com

ASIA

China
GVS Technology (Suzhou) Co., Ltd.
Fengqiao Civil-Run Sci-Tech Park,
602 Changjiang Road, S.N.D.
Suzhou, China 215129
Tel. +86 512 6661 9880
Fax: +86 512 6661 9882
lifesciences.cn@gvs.com

Japan
GVS Japan K.K.
KKD Building 4F, 7-10-12 Nishishinjuku
Shinjuku-ku, Tokyo 160-0023 Japan
Tel. +81 3 5937 1447
Fax +81 3 5937 1448
lifesciences.jp@gvs.com

Korea
GVS Korea Ltd #315 Bricks Tower
368 Gyungchun-ro(Gaun-dong),
472060 Namyangju-si, Gyunggi-do
Tel: +82 31 563 9873
Fax: +82 31 563 9874
lifesciences.kr@gvs.com

Malaysia
GVS Filtration Sdn. Bhd.
Lot No 10F-2B, 10th Floor,
Tower 5, PFCC, Jalan Puteri 1/2,
Bandar Puteri 47100 Puchong
Selangor, Malaysia
Tel. +60378000062
lifesciences.my@gvs.com

AMERICA

U.S.A.
GVS North America, Inc.
63 Community Drive
Sanford, ME 04073 - USA
Tel. +1 866 7361250
lifesciences.us@gvs.com

Mexico
GVS de México
Universal No. 550, Vynmsa Aeropuerto Apodaca
Industrial Park, Ciudad Apodaca, Nuevo León,
C.P. 66626 México
Tel. +52 81 2282 9003
lifesciences.mx@gvs.com

Brazil
GVS do Brasil Ltda.
Rodovia Conego Cyriaco Scaranello Pires 251
Jd. Progresso, CEP 13190-000
Monte Mor (SP) - Brasil
Tel. +55 19 38797200
Fax +55 19 38797251
lifesciences.br@gvs.com

Argentina
GVS Argentina S.A.
Francisco Acuña de Figueroa
719 Piso:11 Of: 57
1416 Buenos Aires - Argentina
Tel. + 5411 48614750
lifesciences.ar@gvs.com