AseptiVac®

The Ultimate Vacuum Filter

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1000 ml in < 30 Sec

Universal Device for

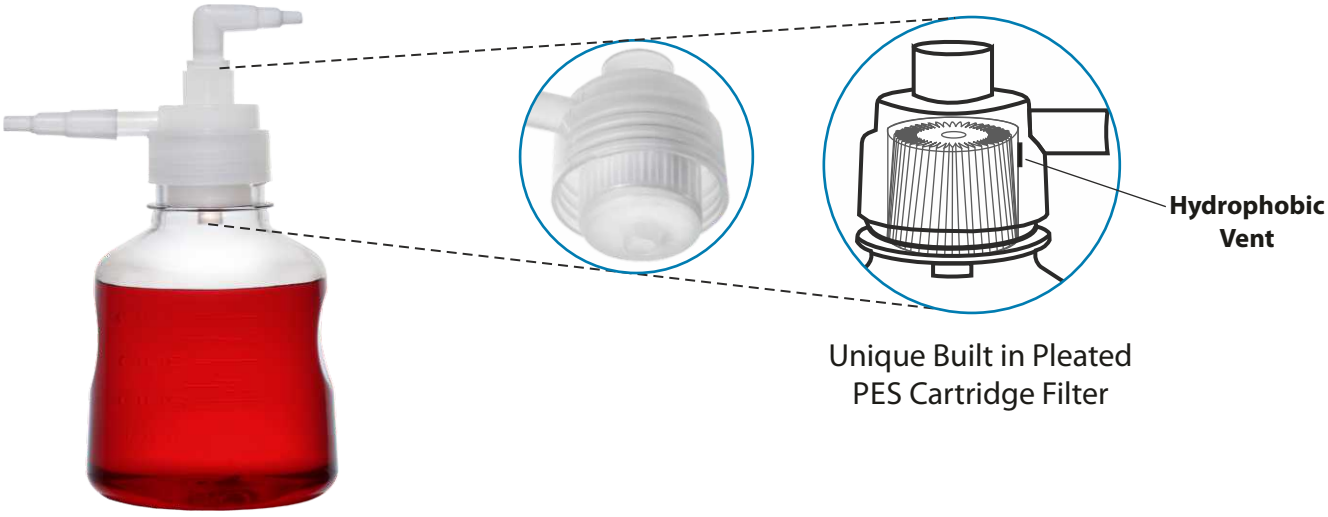
- Direct Filtration from Carboys
- Funnel Filtration

mdi
Membrane Technologies

Design that makes a difference

AseptiVac® are gamma sterile, ready to use disposable vacuum filtration devices with a unique pleated cartridge filter built into a cap which fits into the neck of the receiver. This design reduces the height of the system making it more stable. The large area filter device with high flow, low protein binding polyethersulfone membrane, allows high speed filtration and enhanced throughput with even difficult to filter solutions in biopharmaceuticals and life science research labs.

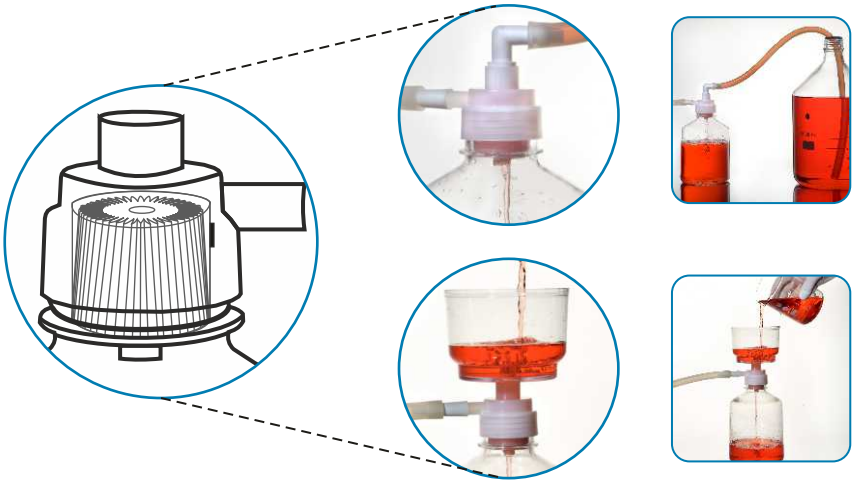
The conical shaped filter cartridge allows air bubbles to move away from the membrane, avoiding problems of membrane blockage. The hydrophobic vent in the filter body facilitates restart of filtration without air lock.



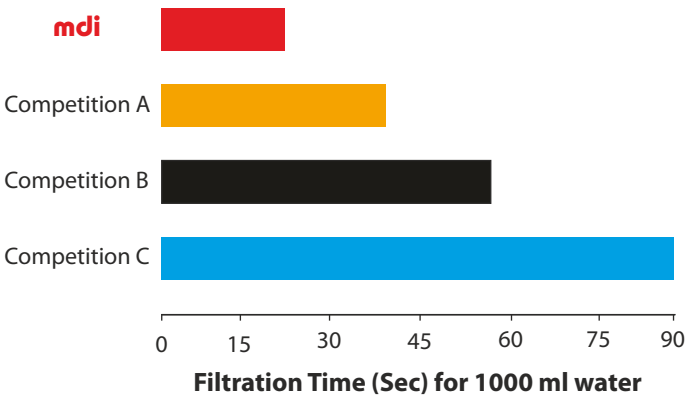
Universal Device

Vented filter design with direct transfer adaptor allows suction of liquids from large reservoirs which are difficult to lift

The filter design allows a funnel without filter to be fitted on the device for filtration of smaller volumes



Saves Time with High Speed Filtration



Special 'No Froth' Variant

The 'No Froth' *AseptiVac*® comes with a special tubing outlet to ensure zero frothing in case of viscous/high frothing solutions, which may otherwise impact the quality of key filtrate components such as proteins.

Important:
This is specially true for high concentration protein solutions

Also, to further reduce chances of frothing, apply a low initial vacuum of <50 mmHg and increase gradually as required.

Saves Storage Space/Transportation Cost

Compact Packaging

Applications

AseptiVac® vacuum filters find applications in cell expression labs and process development labs in biopharmaceuticals R&D for sterile filtration of

- Buffers
- Culture Media
- Serum Solutions
- Pure Sera
- Protein Solutions
- Drug Substance

Quality

AseptiVac® vacuum filter devices are designed to deliver consistent quality through careful selection of materials, in-depth characterization, validated production processes and stringent quality management system. These filters are validated to meet various compendia and regulatory requirements.

100% Integrity tested

Each and every *AseptiVac*® filter device is tested for integrity with a non destructive filter integrity test which is correlated with actual microbial retention

Microbial Retention

AseptiVac® filters are validated to deliver sterile effluents against high microbial challenge as per ASTM F838-05
0.1µm: LRV >7 for *Acholeplasma laidlawii*
0.2µm: LRV >7 for of *Brevundimonas diminuta*

Bacterial Endotoxins

The test filter extract, tested for endotoxins by the Kinetic -Turbidimetric Method with a sensitivity of 0.01 EU/ml, showed endotoxin levels of <0.25EU/ml.

Biosafety

All materials of construction of **mdi** *AseptiVac*® filters were tested for Biological Reactivity Tests, *In Vivo* for Class VI Plastics as per USP <88> and whole devices were tested for Biological Reactivity Tests, *In Vitro* for Cytotoxicity as per USP <87>.

Extractables

AseptiVac® vacuum filters exhibit very low extractables

Traceability

Each lot is accompanied with a certificate of quality and the unique lot number ensures complete traceability.

Facilitates Technology Transfer

AseptiVac® vacuum filters are made of the same materials of construction as large scale process filters. This eliminates the need for re-validation and makes technology transfer from process development labs to manufacturing, more convenient.

Specifications

Technical Specifications

Pore Size	0.1 µm and 0.2 µm
Filtration Area	170 cm^2
Hold up Volume	< 5 ml

Operating Conditions

Maximum Operating Temperature	45°C

Materials of Construction

Filter Membrane	Polyethersulfone
Filter Housing	Polypropylene
Funnel	Polystyrene
Bottle	Polystyrene

Dimensions

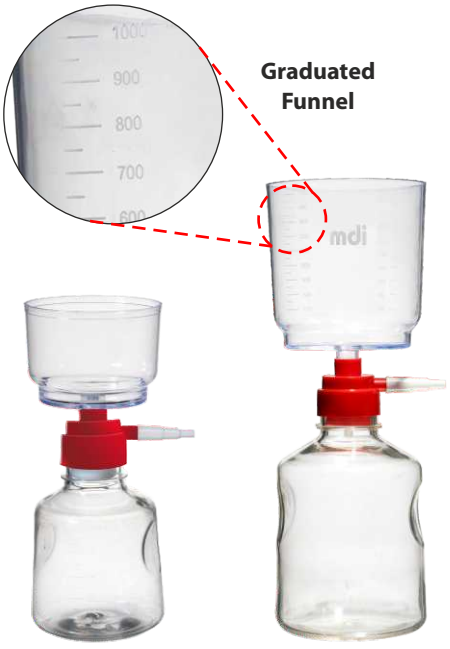
Screw Cap Neck	45mm

Available Capacity

Receiver Bottle	Funnel
500 ml	500 ml
1000 ml	1000 ml

Sterility

Gamma Irradiation	25 kGy



Ordering Information

Type		EFA		Pore Size		Variant		Capacity		'No Froth' Tube		Sterility		Pack Size	
	Code		Code		Code		Code		Code		Code		Code		Code
AseptiVac® KS	AKX7	170 cm^2	41	0.1µm	36	With Funnel	F	500 ml	05	Yes	T	Gamma Sterile	3	12	08
				0.2µm	01	With Hose Barb Adaptor	D	1000 ml	10	No	X				
						With Funnel and Hose Barb Adaptor	Z								

Example

AKX7	**41**	**01**	**F**	**10**	**T**	**3**	**08**

BRC AKXXXXX1733L

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