

## 150mL Vacuum Filtration

### Description

150mL Vacuum Filtration, Sterile

### Purpose

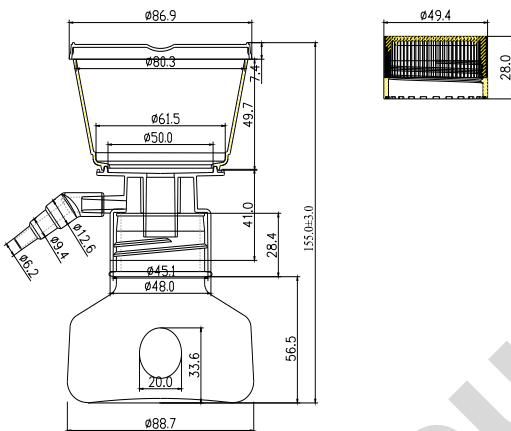
Intended for the sterile vacuum filtration of aqueous solutions such as cell culture media and biological fluids

### Materials

Housing: Lid, Cup, Bottle(GPPS/General Polystyrene);  
 Connect(ABS/Acrylonitrile-Butadiene-Styrene);  
 Hose connector(PP/Polypropylene);  
 Cap: HDPE (High-density Polyethylene)



### Dimensions (Unit: mm)



### Features

- Available with 6 membrane types of PVDF, PES, MCE, NYLON, CA, SFCA
- 3 pore sizes: 0.1, 0.22 and 0.45µm
- Membrane type and pore size printed on unit
- 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
- Designed hose connector can fit multiplicate hose diameters
- Effective filtration area of membrane: 15.16cm<sup>2</sup>
- Hold-up Volume after purge: ≤ 3mL
- DNase/RNase free and Non-pyrogenic
- Sterilized by irradiation SAL 10<sup>-6</sup> (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 clean room environment
- Manufactured under ISO13485 and ISO9001 quality management system



### Membrane Performance Characteristics

Membrane material	PVDF	PVDF	PVDF	MCE	MCE	PES
Pore size	0.1µm	0.22µm	0.45µm	0.22µm	0.45µm	0.1µm
Average bubble point	80 psi	56 psi	25 psi	51 psi	31 psi	29 psi
Flow time(at 13psi)	≤ 2.5mL/min/cm <sup>2</sup>	7.2mL/min/cm <sup>2</sup>	29mL/min/cm <sup>2</sup>	18µL/min/cm <sup>2</sup>	60µL/min/cm <sup>2</sup>	11mL/min/cm <sup>2</sup>

Membrane material	Pore size	Water flow rate (mL/min/cm <sup>2</sup> @ 0.7bar, 10psi)	Water bubble point (psi)
PES	0.22µm	19.3~34.6	53.0~69.0
PES	0.45µm	38.0~100.0	36.0~48.0
NYLON	0.22µm	8.07~14.08	40.0~60.0
NYLON	0.45µm	16.0	29.0

Membrane Performance Characteristics

Membrane material	CA	CA
Pore size	0.22µm	0.45µm
Minimum bubble point psi(kg/cm <sup>2</sup> )	50 (3.50)	30 (2.10)
Typical flow rate, mL/min/cm <sup>2</sup> @ 10psi (0.7kg/cm <sup>2</sup> )	16.1 (1.13)	54.7 (3.85)

Membrane material	PES Express	PES Express
Pore size	0.22µm	0.45µm
Bubble point	4.8 bar ± 0.5 bar	≤ 22.2 psi
Flow rate	≥ 45 ml / (min cm <sup>2</sup> bar)	≤ 72 seconds

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Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC201150	MCE	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FMC401150	MCE	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
FNY202150	NYLON	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FNY402150	NYLON	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
FPV103150	PVDF	0.1µm	150mL	ø50mm	Yes	1/bag, 12/case
FPV203150	PVDF	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FPV403150	PVDF	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
FPE104150	PES	0.1µm	150mL	ø50mm	Yes	1/bag, 12/case
FPE204150	PES	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FPE404150	PES	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
FCA206150	CA	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FCA406150	CA	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
SCA207150	SFCA	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
SCA407150	SFCA	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case
FPE234150	PES Express	0.22µm	150mL	ø50mm	Yes	1/bag, 12/case
FPE434150	PES Express	0.45µm	150mL	ø50mm	Yes	1/bag, 12/case