

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

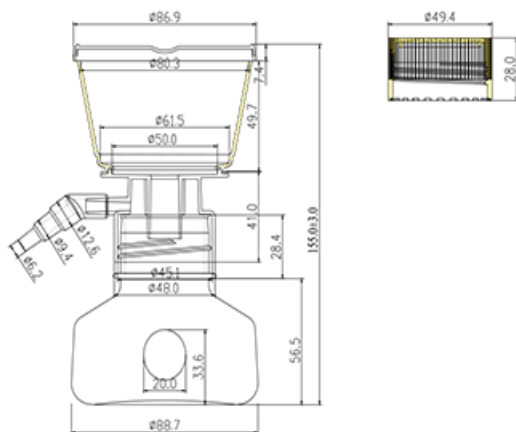
Materials

Housing: Lid, Cup, Bottle(GPPS/General Polystyrene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene); Tip(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: 15.16cm²
- Hold-up Volume after purge: ≤3mL
- DNase/RNase free and Non-pyrogenic
- Sterilized by irradiation SAL10⁻⁶ (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 room environment
- Manufactured under ISO13485 and ISO9001 quality management system



STERILE R

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 ²	7.2mL/min/cm ²	29mL/min/cm ²	18µL/min/cm ²	60µL/min/cm ²	11mL/min/cm ²

Membrane material	Pore size	Water flow rate (mL/min/cm ² @ 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 ²)	50 (3.50)	30 (2.10)
Typical flow rate, mL/min/cm ² @ 10psi (0.7kg/cm ²)	16.1 (1.13)	54.7 (3.85)

Membrane material	PES Express	PES Express
Pore size	0.22µm	0.45µm
Bubble point	≥ 20 psi	≤ 22.2 psi
Flow rate	Roll Average ≤ 115 sec/500 mL	≤ 72 seconds

150mL Vacuum Filtration

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

250mL Vacuum Filtration

Description

250mL Vacuum Filtration, Sterile

Purpose

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

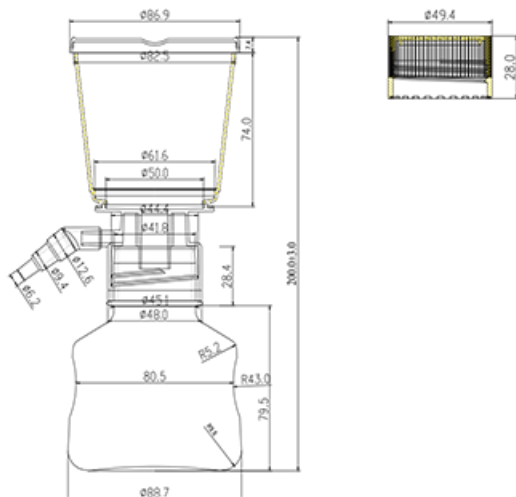
Materials

Housing: Lid, Cup, Bottle(GPPS/General Polystyrene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene); Tip(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: 15.16cm²
- Hold-up Volume after purge: ≤3mL
- DNase/RNase free and Non-pyrogenic
- Sterilized by irradiation SAL10⁻⁶ (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 room environment
- Manufactured under ISO13485 and ISO9001 quality management system



STERILE R

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 ²	7.2mL/min/cm ²	29mL/min/cm ²	18µL/min/cm ²	60µL/min/cm ²	11mL/min/cm ²

Membrane material	Pore size	Water flow rate (mL/min/cm ² @ 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 ²)	50 (3.50)	30 (2.10)
Typical flow rate, mL/min/cm ² @ 10psi (0.7kg/cm ²)	16.1 (1.13)	54.7 (3.85)

Membrane material	PES Express	PES Express
Pore size	0.22µm	0.45µm
Bubble point	≥ 20 psi	≤ 22.2 psi
Flow rate	Roll Average ≤ 115 sec/500 mL	≤ 72 seconds

250mL Vacuum Filtration

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC201250	MCE	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FMC401250	MCE	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
FNY202250	NYLON	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FNY402250	NYLON	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
FPV103250	PVDF	0.1µm	250mL	ø50mm	Yes	1/bag, 12/case
FPV203250	PVDF	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FPV403250	PVDF	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
FPE104250	PES	0.1µm	250mL	ø50mm	Yes	1/bag, 12/case
FPE204250	PES	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FPE404250	PES	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
FCA206250	CA	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FCA406250	CA	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
SCA207250	SFCA	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
SCA407250	SFCA	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case
FPE234250	PES Express	0.22µm	250mL	ø50mm	Yes	1/bag, 12/case
FPE434250	PES Express	0.45µm	250mL	ø50mm	Yes	1/bag, 12/case

500mL Vacuum Filtration

Description

500mL Vacuum Filtration, Sterile

Purpose

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

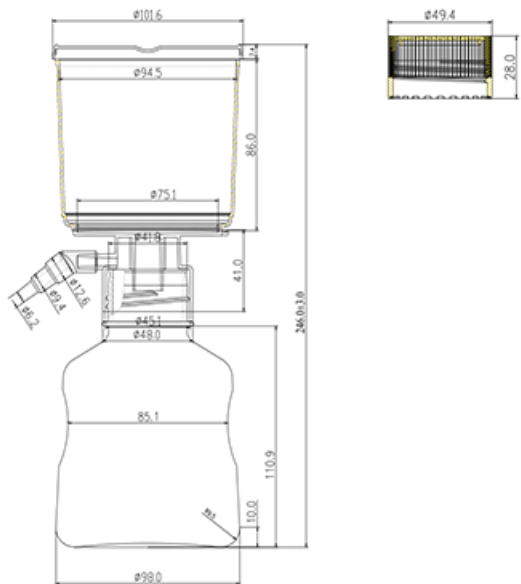
Materials

Housing: Lid, Cup, Bottle(GPPS/General Polystyrene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene); Tip(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: 38.04cm²
- Hold-up Volume after purge: ≤3mL
- DNase/RNase free and Non-pyrogenic
- Sterilized by irradiation SAL10⁻⁶ (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 room environment
- Manufactured under ISO13485 and ISO9001 quality management system



STERILE R

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 ²	7.2mL/min/cm ²	29mL/min/cm ²	18µL/min/cm ²	60µL/min/cm ²	11mL/min/cm ²

Membrane material	Pore size	Water flow rate (mL/min/cm ² @ 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 ²)	50 (3.50)	30 (2.10)
Typical flow rate, mL/min/cm ² @ 10psi (0.7kg/cm ²)	16.1 (1.13)	54.7 (3.85)

Membrane material	PES Express	PES Express
Pore size	0.22µm	0.45µm
Bubble point	≥ 20 psi	≤ 22.2 psi
Flow rate	Roll Average ≤ 115 sec/500 mL	≤ 72 seconds

500mL Vacuum Filtration

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC201500	MCE	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FMC401500	MCE	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
FNY202500	NYLON	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FNY402500	NYLON	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
FPV103500	PVDF	0.1µm	500mL	ø75mm	Yes	1/bag, 12/case
FPV203500	PVDF	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FPV403500	PVDF	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
FPE104500	PES	0.1µm	500mL	ø75mm	Yes	1/bag, 12/case
FPE204500	PES	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FPE404500	PES	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
FCA206500	CA	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FCA406500	CA	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
SCA207500	SFCA	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
SCA407500	SFCA	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case
FPE234500	PES Express	0.22µm	500mL	ø75mm	Yes	1/bag, 12/case
FPE434500	PES Express	0.45µm	500mL	ø75mm	Yes	1/bag, 12/case

1000mL Vacuum Filtration

Description

1000mL Vacuum Filtration, Sterile

Purpose

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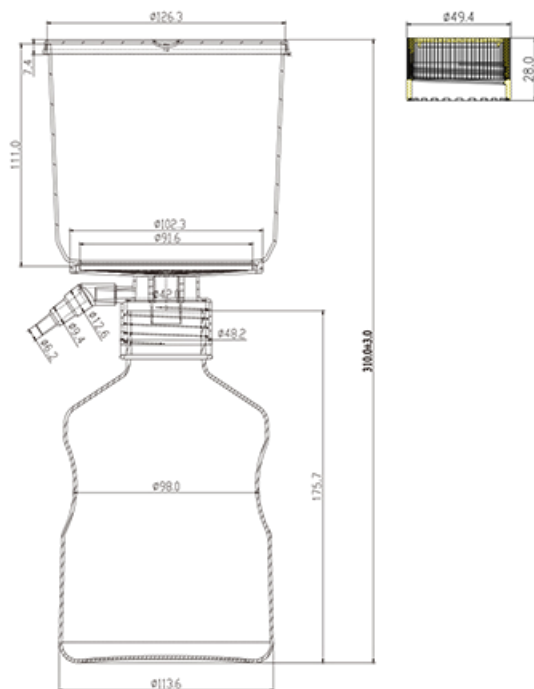
Materials

Housing: Lid, Cup, Bottle(GPPS/General Polystyrene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene); Tip(PP/Polypropylene);

Cap: HDPE (High-density Polyethylene)

Dimensions (Unit: mm)



Features

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- 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: 58.93cm²
- Hold-up Volume after purge: ≤3mL
- DNase/RNase free and Non-pyrogenic
- Sterilized by irradiation SAL10⁻⁶ (ISO11137)
- Shelf Life: 3 years after month of production
- Manufactured in a class 100,000 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
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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 ²)	50 (3.50)	30 (2.10)
Typical flow rate, mL/min/cm ² @ 10psi (0.7kg/cm ²)	16.1 (1.13)	54.7 (3.85)

Membrane material	PES Express	PES Express
Pore size	0.22µm	0.45µm
Bubble point	≥ 20 psi	≤ 22.2 psi
Flow rate	Roll Average ≤ 115 sec/500 mL	≤ 72 seconds

1000mL Vacuum Filtration

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC201000	MCE	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FMC401000	MCE	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
FNY202000	NYLON	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FNY402000	NYLON	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPV103000	PVDF	0.1µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPV203000	PVDF	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPV403000	PVDF	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPE104000	PES	0.1µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPE204000	PES	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPE404000	PES	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
FCA206000	CA	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FCA406000	CA	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
SCA207000	SFCA	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
SCA407000	SFCA	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPE234000	PES Express	0.22µm	1000mL	ø91mm	Yes	1/bag, 12/case
FPE434000	PES Express	0.45µm	1000mL	ø91mm	Yes	1/bag, 12/case