

150mL Filter Upper Cup

Description

150mL Filter Upper Cup, Sterile

Purpose

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

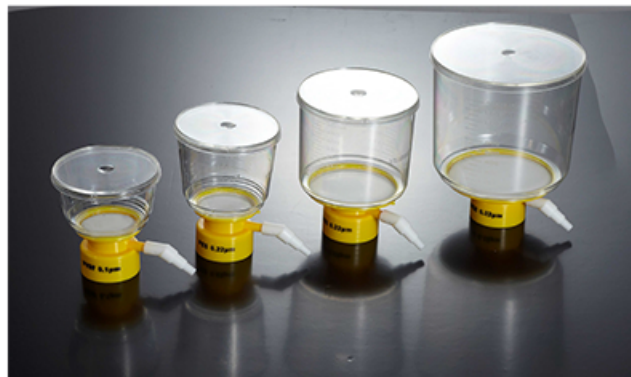
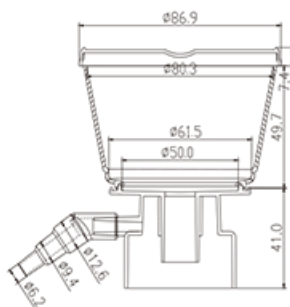
Materials

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

Tip(PP/Polypropylene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene);

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
- 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 Filter Upper Cup

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC211150	MCE	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FMC411150	MCE	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
FNY212150	NYLON	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FNY412150	NYLON	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
FPV113150	PVDF	0.1µm	150mL	ø50mm	Yes	1/bag, 24/case
FPV213150	PVDF	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FPV413150	PVDF	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
FPE114150	PES	0.1µm	150mL	ø50mm	Yes	1/bag, 24/case
FPE214150	PES	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FPE414150	PES	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
FCA216150	CA	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FCA416150	CA	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
SCA217150	SFCA	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
SCA417150	SFCA	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case
FPE224150	PES Express	0.22µm	150mL	ø50mm	Yes	1/bag, 24/case
FPE424150	PES Express	0.45µm	150mL	ø50mm	Yes	1/bag, 24/case

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 Filter Upper Cup

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC211250	MCE	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FMC411250	MCE	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
FNY212250	NYLON	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FNY412250	NYLON	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
FPV113250	PVDF	0.1µm	250mL	ø50mm	Yes	1/bag, 24/case
FPV213250	PVDF	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FPV413250	PVDF	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
FPE114250	PES	0.1µm	250mL	ø50mm	Yes	1/bag, 24/case
FPE214250	PES	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FPE414250	PES	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
FCA216250	CA	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FCA416250	CA	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
SCA217250	SFCA	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
SCA417250	SFCA	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case
FPE224250	PES Express	0.22µm	250mL	ø50mm	Yes	1/bag, 24/case
FPE424250	PES Express	0.45µm	250mL	ø50mm	Yes	1/bag, 24/case

500mL Filter Upper Cup

Description

500mL Filter Upper Cup, Sterile

Purpose

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

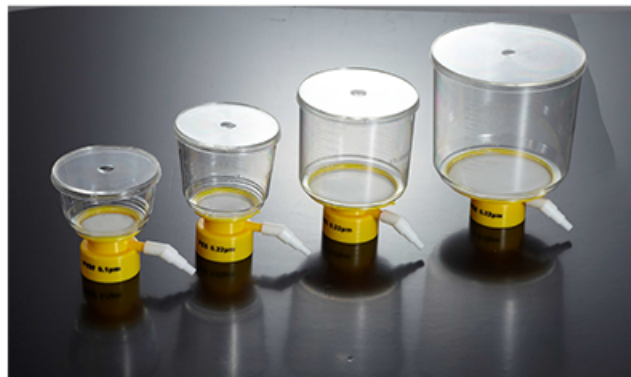
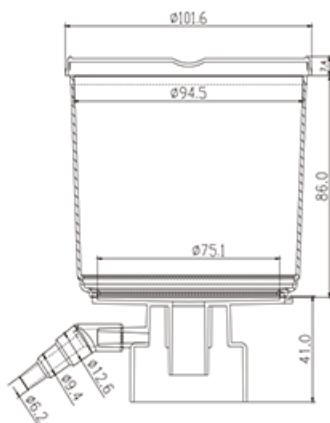
Materials

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

Tip(PP/Polypropylene);

Connect(ABS/Acrylonitrile-Butadiene-Styrene);

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
- 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

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 Filter Upper Cup

Cat. No.	Membrane Type	Pore Size	Capacity	Membrane Diameter	Sterilization	Packaging Configuration
FMC211500	MCE	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FMC411500	MCE	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
FNY212500	NYLON	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FNY412500	NYLON	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
FPV113500	PVDF	0.1µm	500mL	ø75mm	Yes	1/bag, 24/case
FPV213500	PVDF	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FPV413500	PVDF	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
FPE114500	PES	0.1µm	500mL	ø75mm	Yes	1/bag, 24/case
FPE214500	PES	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FPE414500	PES	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
FCA216500	CA	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FCA416500	CA	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
SCA217500	SFCA	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
SCA417500	SFCA	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case
FPE224500	PES Express	0.22µm	500mL	ø75mm	Yes	1/bag, 24/case
FPE424500	PES Express	0.45µm	500mL	ø75mm	Yes	1/bag, 24/case

1000mL Filter Upper Cup

Description

1000mL Filter Upper Cup, Sterile

Purpose

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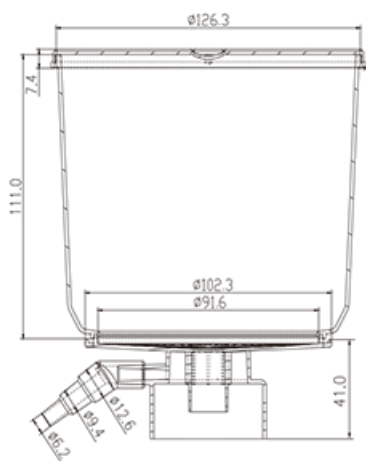
Materials

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

Tip(PP/Polypropylene);

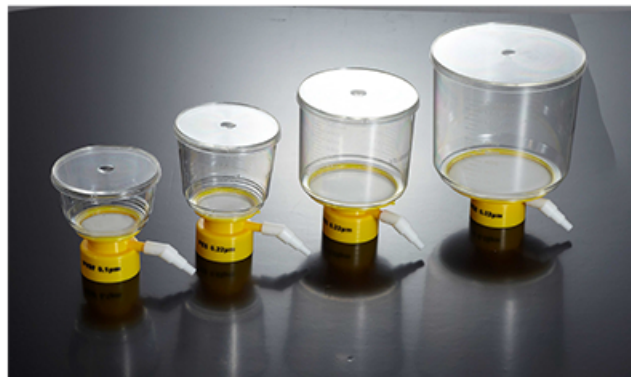
Connect(ABS/Acrylonitrile-Butadiene-Styrene);

Dimensions (Unit: mm)



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- Membrane type and pore size printed on unit
- Light weight and heavy wall construction
- 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
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STERILE R

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NYLON	0.22µm	8.07~14.08	40.0~60.0
NYLON	0.45µm	16.0	29.0

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1000mL Filter Upper Cup

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FMC211000	MCE	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FMC411000	MCE	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
FNY212000	NYLON	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FNY412000	NYLON	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPV113000	PVDF	0.1µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPV213000	PVDF	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPV413000	PVDF	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPE114000	PES	0.1µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPE214000	PES	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPE414000	PES	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
FCA216000	CA	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FCA416000	CA	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
SCA217000	SFCA	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
SCA417000	SFCA	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPE224000	PES Express	0.22µm	1000mL	ø91mm	Yes	1/bag, 24/case
FPE424000	PES Express	0.45µm	1000mL	ø91mm	Yes	1/bag, 24/case