Technical Data Sheet



VWR® Vacuum Filtration Systems

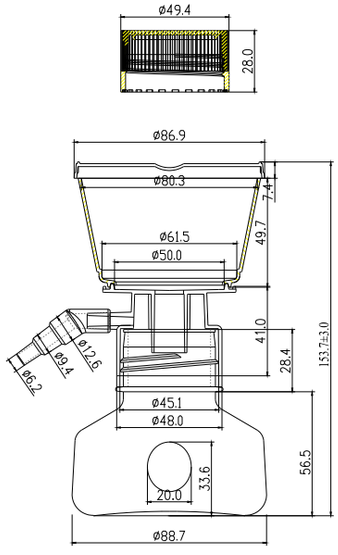
Description: 150mL bottle top filter, Sterile

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)		Color: Clear
	Tip (PP/Polypropylene)	Color: White
	Cap (HDPE/High-density Polyethylene)	Color: Green
	Connect (ABS/Acrylonitrile-Butadiene-Styrene)	Color: Green
Membrane: SFCA (Surfactant Free Cellulose Acetate)		

Dimensions (Unit: mm)



150mL

Features

- Hydrophilic Surfactant Free Cellulose Acetate (SFCA) membrane
- Volume: 150mL
- Two membrane pore sizes: 0.22 and 0.45µm
- Light weight and heavy wall construction
- Large knurls on the reservoir bottle cap for easy screw connection
- Bottle designed with wide and easy access bottle mouth for efficient and stable pour out
- Top filter and bottom collector bottle have engraved graduation
- Ergonomically designed sidewalls and collar can simplify tightening/loosening and adjustments
- Designed hose connector can fit multiple hose diameters
- Non-pyrogenic
- Temperature range: -20°C to +50°C
- Hold-up Volume after purge: ⩽3mL
- Autoclavability: No
- 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

②

STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
SFCA	0.22µm	10.26-22.72	50.0-72.0
SFCA	0.45µm	32.46-79.53	30.0-45.0

VWR® 150mL Vacuum Driven Filters

VWR NA Cat. No.	VWR EU EAN. No.	Description	Pore Size (µm)	Capacity (mL)	Membrane Diameter(mm)	Qty.per bag/case
76010-376	514-1052	FILTER UNIT, 150mL, SFCA, 0.22µm, STERILE	0.22	150	Ø50	1/12
76010-382	514-1053	FILTER UNIT, 150mL, SFCA, 0.45µm, STERILE	0.45	150	Ø50	1/12
76008-590	514-1032	FILTER UPPER CUP, 150mL, SFCA, 0.22µm, STERILE	0.22	150	Ø50	1/24
76008-596	514-1033	FILTER UPPER CUP, 150mL, SFCA, 0.45µm, STERILE	0.45	150	Ø50	1/24

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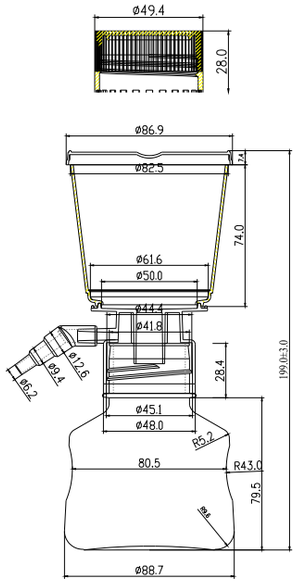
Description: 250mL bottle top filter, Sterile

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)	Color: Clear
	Tip (PP/Polypropylene)	Color: White
	Cap (HDPE/High-density Polyethylene)	Color: Green
	Connect (ABS/Acrylonitrile-Butadiene-Styrene)	Color: Green
Membrane:	SFCA (Surfactant Free Cellulose Acetate)	

Dimensions (Unit: mm)



250mL

Features

- Hydrophilic Surfactant Free Cellulose Acetate (SFCA) membrane
- Volume: 250mL
- Two membrane pore sizes: 0.22 and 0.45µm
- Light weight and heavy wall construction
- Large knurls on the reservoir bottle cap for easy screw connection
- Bottle designed with wide and easy access bottle mouth for efficient and stable pour out
- Top filter and bottom collector bottle have engraved graduation
- Ergonomically designed sidewalls and collar can simplify tightening/loosening and adjustments
- Designed hose connector can fit multiple hose diameters
- Non-pyrogenic
- Temperature range: -20°C to +50°C
- Hold-up Volume after purge: ⩽3mL
- Autoclavability: No
- 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

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STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
SFCA	0.22µm	10.26-22.72	50.0-72.0
SFCA	0.45µm	32.46-79.53	30.0-45.0

VWR® 250mL Vacuum Driven Filters

VWR NA Cat. No.	VWR EU EAN. No.	Description	Pore Size (µm)	Capacity (mL)	Membrane Diameter(mm)	Qty.per bag/case
76010-390	514-1054	FILTER UNIT, 250mL, SFCA, 0.22µm, STERILE	0.22	250	Ø50	1/12
76010-396	514-1055	FILTER UNIT, 250mL, SFCA, 0.45µm, STERILE	0.45	250	Ø50	1/12
76008-604	514-1034	FILTER UPPER CUP, 250mL, SFCA, 0.22µm, STERILE	0.22	250	Ø50	1/24
76008-610	514-1035	FILTER UPPER CUP, 250mL, SFCA, 0.45µm, STERILE	0.45	250	Ø50	1/24

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VWR® Vacuum Filtration Systems

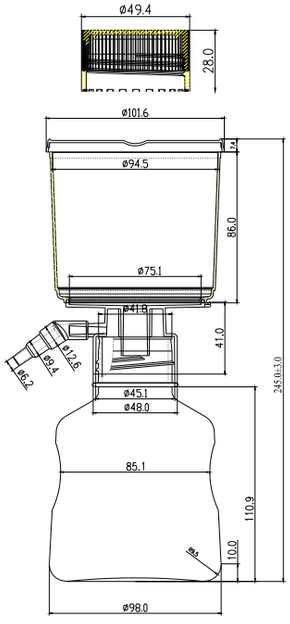
Description: 500mL bottle top filter, Sterile

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)	Color: Clear
	Tip (PP/Polypropylene)	Color: White
	Cap (HDPE/High-density Polyethylene)	Color: Green
	Connect (ABS/Acrylonitrile-Butadiene-Styrene)	Color: Green
Membrane:	SFCA (Surfactant Free Cellulose Acetate)	

Dimensions (Unit: mm)



500mL

Features

- Hydrophilic Surfactant Free Cellulose Acetate (SFCA) membrane
- Volume: 500mL
- Two membrane pore sizes: 0.22 and 0.45μm
- Light weight and heavy wall construction
- Large knurls on the reservoir bottle cap for easy screw connection
- Bottle designed with wide and easy access bottle mouth for efficient and stable pour out
- Top filter and bottom collector bottle have engraved graduation
- Ergonomically designed sidewalls and collar can simplify tightening/loosening and adjustments
- Designed hose connector can fit multiple hose diameters
- Non-pyrogenic
- Temperature range: -20°C to +50°C
- Hold-up Volume after purge: ⩽3mL
- Autoclavability: No
- 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

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STERILE	R

Membrane	Pore Size(μm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
SFCA	0.22μm	10.26-22.72	50.0-72.0
SFCA	0.45μm	32.46-79.53	30.0-45.0

VWR® 500mL Vacuum Driven Filters

VWR NA Cat. No.	VWR EU EAN. No.	Description	Pore Size (μm)	Capacity (mL)	Membrane Diameter(mm)	Qty.per bag/case
76010-404	514-1056	FILTER UNIT, 500mL, SFCA, 0.22μm, STERILE	0.22	500	Ø75	1/12
76010-410	514-1057	FILTER UNIT, 500mL, SFCA, 0.45μm, STERILE	0.45	500	Ø75	1/12
76008-618	514-1036	FILTER UPPER CUP, 500mL, SFCA, 0.22μm, STERILE	0.22	500	Ø75	1/24
76008-624	514-1037	FILTER UPPER CUP, 500mL, SFCA, 0.45μm, STERILE	0.45	500	Ø75	1/24

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VWR® Vacuum Filtration Systems

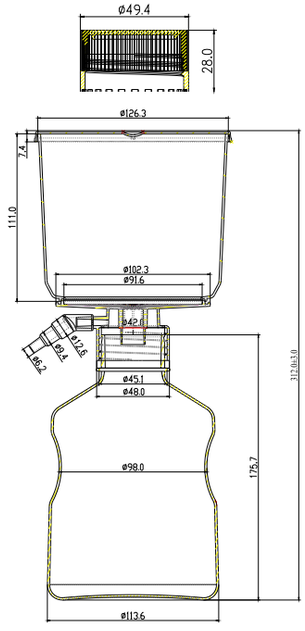
Description: 1000mL bottle top filter, Sterile

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)	Color: Clear
	Tip (PP/Polypropylene)	Color: White
	Cap (HDPE/High-density Polyethylene)	Color: Green
	Connect (ABS/Acrylonitrile-Butadiene-Styrene)	Color: Green
Membrane:	SFCA (Surfactant Free Cellulose Acetate)	

Dimensions (Unit: mm)



1000mL

Features

- Hydrophilic Surfactant Free Cellulose Acetate (SFCA) membrane
- Volume: 1000mL
- Two membrane pore sizes: 0.22 and 0.45µm
- Light weight and heavy wall construction
- Large knurls on the reservoir bottle cap for easy screw connection
- Bottle designed with wide and easy access bottle mouth for efficient and stable pour out
- Top filter and bottom collector bottle have engraved graduation
- Ergonomically designed sidewalls and collar can simplify tightening/loosening and adjustments
- Designed hose connector can fit multiple hose diameters
- Non-pyrogenic
- Temperature range: -20°C to +50°C
- Hold-up Volume after purge: ≤3mL
- Autoclavability: No
- 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

②

STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
SFCA	0.22µm	10.26-22.72	50.0-72.0
SFCA	0.45µm	32.46-79.53	30.0-45.0

VWR® 1000mL Vacuum Driven Filters

VWR NA Cat. No.	VWR EU EAN. No.	Description	Pore Size (µm)	Capacity (mL)	Membrane Diameter(mm)	Qty.per bag/case
76010-418	514-1058	FILTER UNIT, 1000mL, SFCA, 0.22µm, STERILE	0.22	1000	Ø91	1/12
76012-768	514-1059	FILTER UNIT, 1000mL, SFCA, 0.45µm, STERILE	0.45	1000	Ø91	1/12
76008-576	514-1038	FILTER UPPER CUP, 1000mL, SFCA, 0.22µm, STERILE	0.22	1000	Ø91	1/24
76010-370	514-1039	FILTER UPPER CUP, 1000mL, SFCA, 0.45µm, STERILE	0.45	1000	Ø91	1/24