Technical Data Sheet



VWR® Vacuum Filtration Systems

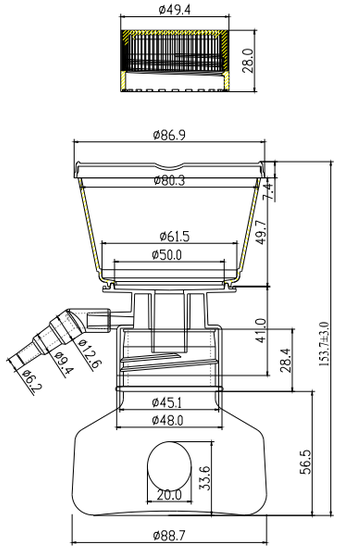
Description: 150mL bottle top filter, Sterile

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:	PES (Polyethersulfone)	

Dimensions (Unit: mm)



150mL

Features

- Hydrophilic Polyethersulfone (PES) membrane
- Volume: 150mL
- Two membrane pore sizes: 0.2 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

STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
PES	0.2µm	19.3-34.6	53.0-69.0
PES	0.45µm	38.0-100.0	36.0-48.0

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
10040-460	514-0328	FILTER UNIT 150mL 0.2µm PES STERILE	0.2	150	Ø50	1/12
10040-462	514-0329	FILTER UNIT 150mL 0.45µm PES STERILE	0.45	150	Ø50	1/12
10040-444	514-0336	FILTER UPPER CUP 150mL 0.2µm PES STERILE	0.2	150	Ø50	1/24
10040-446	514-0337	FILTER UPPER CUP 150mL 0.45µm PES STERILE	0.45	150	Ø50	1/24

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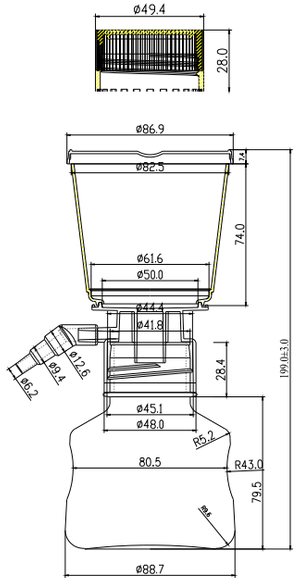
Description: 250mL bottle top filter, Sterile

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:	PES (Polyethersulfone)	

Dimensions (Unit: mm)



250mL

Features

- Hydrophilic Polyethersulfone (PES) membrane
- Volume: 250mL
- Two membrane pore sizes: 0.2 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

STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
PES	0.2µm	19.3-34.6	53.0-69.0
PES	0.45µm	38.0-100.0	36.0-48.0

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
10040-464	514-0330	FILTER UNIT 250mL 0.2µm PES STERILE	0.2	250	Ø50	1/12
10040-466	514-0331	FILTER UNIT 250mL 0.45µm PES STERILE	0.45	250	Ø50	1/12
10040-448	514-0338	FILTER UPPER CUP 250mL 0.2µm PES STERILE	0.2	250	Ø50	1/24
10040-450	514-0339	FILTER UPPER CUP 250mL 0.45µm PES STERILE	0.45	250	Ø50	1/24

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VWR® Vacuum Filtration Systems

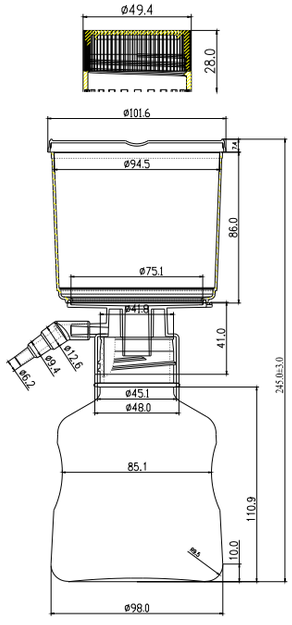
Description: 500mL bottle top filter, Sterile

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: PES (Polyethersulfone)		

Dimensions (Unit: mm)



500mL

Features

- Hydrophilic Polyethersulfone (PES) membrane
- Volume: 500mL
- Two membrane pore sizes: 0.2 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

STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
PES	0.2µm	19.3-34.6	53.0-69.0
PES	0.45µm	38.0-100.0	36.0-48.0

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
10040-436	514-0332	FILTER UNIT 500mL 0.2µm PES STERILE	0.2	500	Ø75	1/12
10040-438	514-0333	FILTER UNIT 500mL 0.45µm PES STERILE	0.45	500	Ø75	1/12
10040-468	514-0340	FILTER UPPER CUP 500mL 0.2µm PES STERILE	0.2	500	Ø75	1/24
10040-470	514-0341	FILTER UPPER CUP 500mL 0.45µm PES STERILE	0.45	500	Ø75	1/24

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VWR® Vacuum Filtration Systems

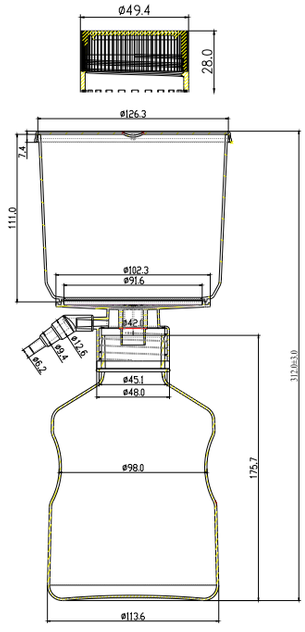
Description: 1000mL bottle top filter, Sterile

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: PES (Polyethersulfone)		

Dimensions (Unit: mm)



1000mL

Features

- Hydrophilic Polyethersulfone (PES) membrane
- Volume: 1000mL
- Two membrane pore sizes: 0.2 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



STERILE	R

Membrane	Pore Size(µm)	Water flow rate (mL/min/cm2@0.7bar,10psi)	Water bubble point (psi)
PES	0.2µm	19.3-34.6	53.0-69.0
PES	0.45µm	38.0-100.0	36.0-48.0

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
10040-440	514-0334	FILTER UNIT 1000mL 0.2µm PES STERILE	0.2	1000	Ø91	1/12
10040-442	514-0335	FILTER UNIT 1000mL 0.45µm PES STERILE	0.45	1000	Ø91	1/12
10040-472	514-0342	FILTER UPPER CUP 1000mL 0.2µm PES STERILE	0.2	1000	Ø91	1/24
10040-474	514-0343	FILTER UPPER CUP 1000mL 0.45µm PES STERILE	0.45	1000	Ø91	1/24