

● Disposable Membrane Filter Unit “DISMIC®” Bulk packaging



Disposable Membrane Filter Unit "DISMIC®"

Bulk packaging

DISMIC has been developed to process small volume solutions easily, involving the purification of gases and liquids. This makes our product an economical filtration alternative.

Features

- The DISMIC syringe units are a high quality product produced under an integrated manufacturing system with strict quality control systems.
- Filter materials are a Mixed cellulose esters (MCE), Cellulose acetate (CA), PES, hydrophilic PTFE, and hydrophobic PTFE with 4 pore sizes range from 0.20µm to 0.80µm (0.80µm- CP/CS Type, 0.50µm- JP Type).
- The housing material is pigment free.
- The DISMIC can be easily connected to a syringe with its female luer-lock inlet and the male luer-slip outlet.
- The DISMIC syringe unit can be used with both pressure and vacuum filtration . This unit also has a very low sample loss.

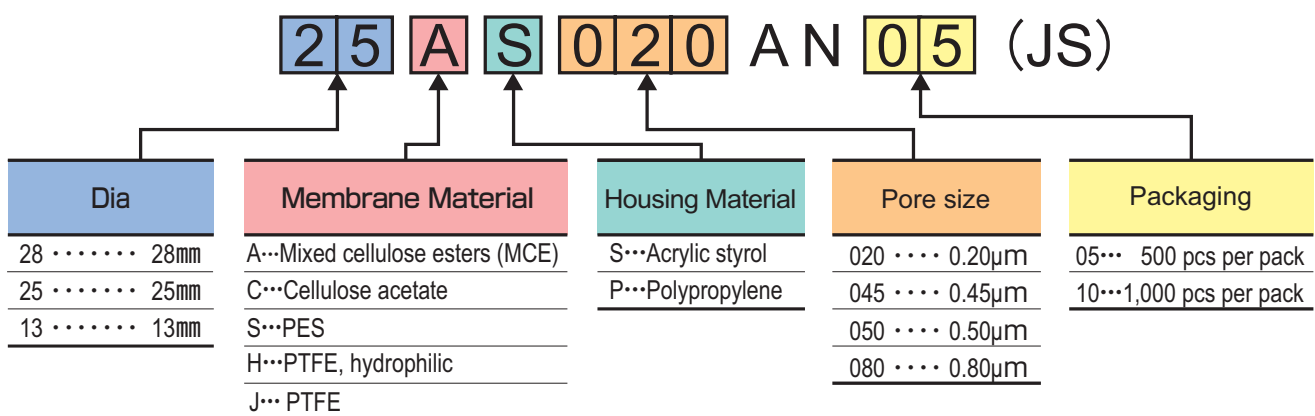
Applications

- Purification of culture media samples, biological samples requiring low protein binding
- Sample preparation for HPLC, Ion chromatography and microanalysis
- Microfiltration of gas and aqueous solutions.

⚠ The DISMIC syringe unit is intended for analytical use and is not certified for medical use.

⚠ Do not sterilize the DISMIC syringe with steam which results in organic solvents remaining, the filter will incur damage.

Ordering Information



Disposable Membrane Filter Unit "DISMIC[®]"

Bulk packaging

28SP/28CP/28HP Type

	28SP				28CP						28HP			
	020AN05JS	045AN05JS	020AN10JS	045AN10JS	020AN05JS	045AN05JS	080AN05JS	020AN10JS	045AN10JS	080AN10JS	020AN05JS	045AN05JS	020AN10JS	045AN10JS
Catalog No.	39136223	39136243	39136224	39136244	39132223	39132243	39132283	39132224	39132244	39132284	39135223	39135243	39135224	39135244
Pore Size (µm)	0.20	0.45	0.20	0.45	0.20	0.45	0.80	0.20	0.45	0.80	0.20	0.45	0.20	0.45
Membrane Material	PES				Cellulose acetate						PTFE, hydrophilic			
Housing Material	Polypropylene													
Filtration Area	5.1cm ²													
Pressure Limit	0.86MPa													
Maximum Operating Temperature	60°C													
Hold-up Volume	≤0.1 mL													
Connections	Inlet: Female Luer- Lock						Outlet: Male Luer Slip							
Applicable Liquid	Aqueous solutions										Aqueous solutions, Organic solvents			
Sterilization	Non-Sterile													
Packaging	500		1,000		500			1,000			500		1,000	

25AS/25CS Type

	25AS				25CS					
	020AN05	045AN05	020AN10	045AN10	020AN05	045AN05	080AN05	020AN10	045AN10	080AN10
Catalog No.	A3912112105	A3912114105	A3912112110	A3912114110	A3912212105	A3912214105	A3912218105	A3912212110	A3912214110	A3912218110
Pore Size (µm)	0.20	0.45	0.20	0.45	0.20	0.45	0.80	0.20	0.45	0.80
Membrane Material	Mixed cellulose esters (MCE)				Cellulose acetate					
Housing Material	Acrylic styrol									
Filtration Area	4.0cm ²									
Pressure Limit	0.51MPa									
Maximum Operating Temperature	45°C									
Hold-up Volume	≤0.1 mL									
Connections	Inlet: Female Luer- Lock						Outlet: Male Luer Slip			
Applicable Liquid	Aqueous solutions									
Sterilization	Non-Sterile									
Packaging	500		1,000		500			1,000		

25HP/25JP Type

	25HP				25JP			
	020AN05J	045AN05	020AN10	045AN10	020AN05	050AN05	020AN10	050AN10
Catalog No.	A3912522105	A3912524105	A3912522110	A3912524110	A3912322105	A3912325105	A3912322110	A3912325110
Pore Size (µm)	0.20	0.45	0.20	0.45	0.20	0.50	0.20	0.50
Membrane Material	PTFE, hydrophilic				PTFE			
Housing Material	Polypropylene							
Filtration Area	4.0cm ²							
Pressure Limit	0.39MPa				0.51MPa			
Maximum Operating Temperature	60°C							
Hold-up Volume	≤0.1 mL							
Connections	Inlet: Female Luer- Lock				Outlet: Male Luer Slip			
Applicable Liquid	Aqueous solutions, Organic solvents				Organic solvents			
Sterilization	Non-Sterile				Non-Sterile (Autoclavable at 121°C, 15min)			
Packaging	500		1,000		500		1,000	

Disposable Membrane Filter Unit "DISMIC®"

Bulk packaging

13CP/13HP/13JP Type

	13CP				13HP				13JP			
	020AN05	045AN05	020AN10	045AN10	020AN05	045AN05	020AN10	045AN10	020AN05	050AN05	020AN10	050AN10
Catalog No.	A3911222105	A3911224105	A3911222110	A3911224110	A391522105	A3911524105	A3911522110	A3911524110	A3911322105	A3911325105	A3911322110	A3911325110
Pore Size (µm)	0.20	0.45	0.20	0.45	0.20	0.45	0.20	0.45	0.20	0.50	0.20	0.50
Membrane Material	Cellulose acetate				PTFE, hydrophilic				PTFE			
Housing Material	Polypropylene											
Filtration Area	0.9cm ²											
Pressure Limit	0.51MPa				0.39MPa				0.51MPa			
Maximum Operating Temperature	60°C											
Hold-up Volume	≤0.03 mL											
Connections	Inlet: Female Luer- Lock						Outlet: Male Luer Slip					
Applicable Liquid	Aqueous solutions				Aqueous solutions, Organic solvents				Organic solvents			
Sterilization	Non-Sterile								Non-Sterile(Autoclavable at 121°C, 15min)			
Packaging	500		1,000		500		1,000		500		1,000	



Chemical Compatibility

Chemicals		DISMIC®					
		25AS	25CS	28SP	13CP 28CP	28HP 25HP 13HP	25JP 13JP
Acids	3 kmol/m ³ Hydrochloric acid (10%)	○	△	○	△	○	○
	9 kmol/m ³ Hydrochloric acid (30%)	×	×	○	×	○	○
	1 kmol/m ³ Sulfuric acid (5%)	○	○	○	○	○	○
	4 kmol/m ³ Sulfuric acid (20%)	×	×	○	×	○	○
	1 kmol/m ³ Nitric acid (5%)	○	○	○	△	○	○
	5 kmol/m ³ Nitric acid (20%)	×	×	○	×	△	△
	1 kmol/m ³ Phosphoric acid (10%)	○	○	○	○	○	○
Alkalis	2.5 kmol/m ³ Sodium hydroxide (10%)	×	×	○	×	○	○
	2 kmol/m ³ Potassium hydroxide (10%)	×	×	○	×	○	○
	15 kmol/m ³ Aqueous ammonia (28%)	×	○	○	△	○	○
Alcohols	Methyl alcohol	×	×	○	○	○	○
	Ethyl alcohol	×	△	○	○	○	○
	Isopropyl alcohol	△	○	○	△	○	○
	Ethylene glycol	×	×	○	○	○	○

Chemicals		DISMIC®					
		25AS	25CS	28SP	13CP 28CP	28HP 25HP 13HP	25JP 13JP
Ethers	Ethyl ether	×	×	△	△	△	△
Esters	Ethyl acetate	×	×	×	×	△	△
	Butyl acetate	×	×	×	×	△	△
Ketones	Acetone	×	×	×	×	○	○
Hydrocarbons	Benzene	×	×	×	×	△	△
	Xylene	×	×	×	×	△	△
Amines	Dimethyl formamide	×	×	×	×	△	△
Miscellaneous	Acetonitrile	×	×	×	×	△	△
	Acetonitrile (70): Water (30)	×	×	×	×	○	○
	1 kmol/m ³ Sodium Hypochlorite (6%)	×	×	○	×	○	○

- - Recommended
 △ - Limited resistance
 × - Not recommended

- Recommendations are based on an exposure to the test fluid at room temperature.
- Chemical compatibility is dependent on conditions such as temperature, concentration, and filtration time. It is recommended to verify conditions before use.
- After drying, the hydrophilicity of the filter can be lost.

 Do not incinerate	CAUTION 
	● Do not incinerate the product. When you dispose of this product, follow corresponding regulations.

- Specifications listed in this catalog represent values in effect at the time of printing and are subject to change without notice.
- ADVANTEC is trademark/registered trademark in Japan and other countries of Toyo Roshiki Kaisha, Ltd. and its group companies.

Toward the Future of Science
ADVANTEC®

ADVANTEC TOYO KAISHA, LTD.

Overseas Trade Division

Hibiya-Kokusai BLDG 5F, 2-2-3, Uchisaiwaicho, Chiyoda-ku,
 Tokyo, 100-0011 Japan

Phone: +81-3-5521-2160 Fax: +81-3-5521-2182

URL: <https://www.ADVANTEC.co.jp/en/>

E-mail: info-shohin@ADVANTEC.co.jp

139-E-03-20060