Pharmaceutical Capsule Filter Filtration Solutions

Membrane Solutions

PHARMACEUTICAL **CAPSULE FILTER** Filtration Solutions

MEMBRANE SOLUTIONS

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Our Membrane For Your Solutions

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Membrane Solutions **COMPANY PROFILE**

Membrane Solutions is a high-tech enterprise integrating the preparation of nano-scale high polymer microporous membranes and the production of membrane filter products. It is a high-tech enterprise integrating R&D, design, manufacturing, sales and services. Membrane Solutions independently develops and produces PP/PTFE/PES/Nylon/PVDF and other microporous membranes (membrane removal ratings include 5nm-10µm), and specializes in the development, production and manufacture of various filtration products, such as microfiltration membrane products, membrane pleated cartridge filters, small filters, capsule filters and other products. Membrane Solutions provides professional overall filtration solutions for applications in the global biopharmaceutical field, such as purification and filtration of active pharmaceutical ingredient/reagents, blood products or vaccine products.

Membrane Solutions can provide a full range of filtration products from pre-filters to terminal filters. Products include compact capsule filters and capsule filters with high flux, available in different sizes and connections to meet your different application needs.

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MEDCAP CLARIFICATION FILTRATION SERIES

MedCap-UTC PPA High Flow-rate Capsule Filter

DESCRIPTION

MedCap-UTC PPA series PP pleated capsule filter is made of polypropylene microfiber. It has a gradient pore size and a high strength support, which makes the filter has the characteristics of high retention efficiency and high flow rates, and is especially suitable for clarification filtration of liquid and pre-filtration of gas.

MedCap-UTC PPA series capsule filter is available in a wide range of removal ratings and in a wide range of cages and connections to meet the needs of different applications, widely used in bio-pharmacy and food and beverage.



FEATURES

- ☆ Excellent chemical compatibility
- ☆ High particle retention efficiency
- ☆ Longer service life and lower cost
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Clarification filtration of cell culture medium
- ☆ Clarification filtration of fermentation broth/cell culture medium
- ☆ Pre-filtration of serums/blood products
- ☆ Pre-filtration of gas sterilization
- \bigstar Filtration of colloidal products

TECHNICAL PARAMETERS

	Filter Membrane	PP
Materials of	Support/Drainage	PP
Construction	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.20µm、0.30µm、0.45µm 10.0µm、20.0µm、30.0µm	ν 0.65μm、1.0μm、3.0μm、5.0μm、 ν 50.0μm、70.0μm
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² /1200-1400cm ² /2400-2800cm ² / 5500-6000cm ² /11000-12000cm ²
Operating	Maximum Operating Differential Pressure	0.5Mpa@25°C 0.1Mpa@80°C
Conditions	Maximum Operating Temperature	80 °C
Biological Safety	Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
	Endotoxins	<0.25EU/ml

ORDERING INFORMATION

C80	N2	РРА	010
Capsule Filter Size	Inlet	/Outlet	Removal Ratings
C80	N2	1/4" NPT	020 0.20µm
C150	N3	3/8" NPT	030 0.30µm
C300	N4	1/2" NPT	045 0.45µm
C610	H1	1/8" Hosebarb**	065 0.65µm
C620	H2	1/4" Hosebarb	100 1.0µm
	H3	3/8" Hosebarb	300 3.0µm
	H4	1/2" Hosebarb*	500 5.0µm
	HS	1/4"-1/2" Stepped Hosebarb	H10 10.0µm
	HC	1/4"-3/8" Stepped Hosebarb	H20 20.0µm
	TCA	1 1/2" Tri-clamp*	H30 30.0µm
	TCB	1/2" Tri-clamp*	H50 50.0µm
	TCC	1" Tri-clamp*	H70 70µm
		r C610/C620 Size ot available for C80	

MEDCAP CLARIFICATION FILTRATION SERIES

MedCap-UTC GF High Retention Efficiency Capsule Filter

DESCRIPTION

MedCap-UTC GF series pleated capsule filter is designed to provide good protection for downstream filters. The glass microfiber layer has a unique three-dimensional structure, which can provide high dirt holding capacity and high retention efficiency. GF filter is suitable for intercepting colloidal substances from high-load and high-viscosity fluids and intercepting impurity particles in gases.

MedCap-UTC GF series capsule filter is available in a wide range of removal ratings and in a wide range of cages and connections to meet the needs of different applications, widely used in bio-pharmacy and food and beverage.



FEATURES

- ☆ Composed of super-fine glass fiber media
- ☆ High dirt holding capacity and high retention efficiency
- ☆ Low initial pressure, high flow rates, long service life
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Clarification filtration of fermentation broth/cell culture medium
- ☆ Pre-filtration of serums/blood products
- ☆ Pre-filtration of gas sterilization
- ☆ Filtration of colloidal products

TECHNICAL PARAMETERS

	Filter Membrane	GF
Materials of	Support/Drainage	PP
Construction	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.45µm、1.0µm、3.0µm、	5.0μm、10.0μm、20.0μm
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² /1200-1400cm ² /2400-2800cm ² / 5500-6000cm ² /11000-12000cm ²
	Maximum Operating Differential Pressure	0.5MPa@25°C 0.1MPa@80°C
Operating Conditions	Maximum Operating Temperature	80°C
	Sterilization Method	Autoclave steam sterilization: 30min@121 [°] C Hot water disinfection: 30min@90 [°] C
Biological Safety	Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
	Endotoxins	<0.25EU/ml

ORDERING INFORMATION

C80	N2	
Capsule Filter Size	Inle	t/Outlet
C80 C150 C300 C610 C620	ТСВ	1/2" NPT 1/8" Hosebarb [*] 1/4" Hosebarb 3/8" Hosebarb 1/2" Hosebarb [*] 1/4"-1/2" Stepp
	*Fo	r C610/C620 S

For C610/C620 Size **Not available for C80



ped Hosebarb

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MEDCAP PRE-FILTRATION AND REDUCE BIOLOGICAL LOAD SERIES

MedCap-UTC PN Hydrophilic Capsule Filter

DESCRIPTION

MedCap-UTC PN series capsule filter is made of hydrophilic nylon66 membrane, which has excellent chemical compatibility and mechanical strength, and can provide stable and reliable filtration performance of sterilization and particle removal. Its removal ratings for typical bacteria in the industry have been verified by batches and can effectively reduce the microbial load level of the filtrate.

MedCap-UTC PN series capsule filter is available in a wide range of cages and connections to meet the needs of different applications, widely used in bio-pharmacy and food and beverage.



FEATURES

- ☆ In herently hydrophilic, easy to wet
- ☆ Extensive chemical compatibility, tolerance of organic solvents
- ☆ Low differential pressure, high flux, long service life
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Filtration of sterile APIs and antibiotic solutions, etc.
- ☆ Filtration of alcohol, soft drinks, pure water, etc.
- ☆ Filtration of high purity chemicals and organic solvents
- ☆ Filtration of physiological saline, reagent water, etc.
- ☆ Filtration of SVP, LVP, etc.

TECHNICAL PARAMETERS

	Filter Membrane
Materials of	Support/Drainage
Construction	Core/Cage/End Cap
	Capsule Shell
Removal Ratings	0.10µm、0.20µm、0.45µ
Filtration Area	C80/ C150 / C300 / C610 / C620
	Maximum Operating Differential Pressure
Operating Conditions	Maximum Operating Temperature
	Sterilization Method
Biological Safety	Bio-compatibility
	Endotoxins

ORDERING INFORMATION

C80	N2	
Capsule Filter Size	Inle	t/Outlet
C80	N2	1/4" NPT
C150	N3	3/8" NPT
C300	N4	1/2" NPT
C610	H1	1/8" Hosebarb*
C620	H2	1/4" Hosebarb
	H3	3/8" Hosebarb
	H4	1/2" Hosebarb*
	HS	1/4"-1/2" Steppe
	HC	1/4"-3/8" Steppe
	TCA	1 1/2" Tri-clamp
	TCB	1/2" Tri-clamp*
	TCC	1" Tri-clamp*
		r C610/C620 Si ot available for Cl

Nylon 66
PP
PP

ΡP

μm、 0.80μm、 1.0μm、 5.0μm

450-840cm²/ 1200-1400cm²/2400-2800cm²/ 5500-6000cm²/11000-12000cm²

0.5MPa@25[°]C 0.1MPa@80[°]C

80 °C

Autoclave steam sterilization: 30min@121 °C Hot water disinfection: 30min@90 °C

Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics

<0.25EU/ml



bed Hosebarb

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MEDCAP PRE-FILTRATION AND REDUCE BIOLOGICAL LOAD SERIES

MedCap-UTC PES High Flow-rate and Long Service Life Capsule Filter

DESCRIPTION

MedCap-UTC PES series capsule filter is made of asymmetric PES membrane, which can provide stable and reliable filtration performance of sterilization and particle removal. Its removal ratings of typical bacteria in the industry have been verified by batches, which can effectively reduce the microbial load level of the filtrate, and is especially suitable for the filtration of biomedical liquid where the microbial limit needs to be controlled at a low level.

MedCap-UTC PES series capsule filter is available in a wide range of cages and connections to meet the needs of different applications, widely used in bio-pharmacy and food and beverage.



FEATURES

- ☆ Asymmetric PES membrane
- ☆ Very low protein non-specific binding
- ☆ Hot melt welding, without any adhesive
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Filtration of water for injection, cleaning solution, purified water, deionized water
- ☆ Filtration of LVP, APIs, buffers, eye drops, disinfectants, etc.
- ☆ Filtration of vaccines, serums, biological products, antibiotic water-based liquid, etc.
- ☆ Filtration of red wine, beer, juice and purified water

TECHNICAL PARAMETERS

	Filter Membrane	DEC	
		PES	
Materials of	Support/Drainage	PP	
Construction	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Removal Ratings	0.10μm、0.20μm、0.45μ 3.0μm、5.0μm、10.0μm		n、 1.0µm、
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² / 120 5500-6000cm ² /11	0-1400cm²/2400-2800cm²/ 000-12000cm²
	Maximum Operating Differential Pressure	0.5MPa@25°C 0.1MPa@80°C	
Operating Conditions	Maximum Operating Temperature	80°C	
	Sterilization Method		sterilization:30min@121℃ ction:30min@90℃
Biological Safety	Bio-compatibility	Meet the criteria	n vitro Cytotoxicity Test of the USP <88> Biological
		Reactivity Test for	r Class VI-121°C plastics
	Endotoxins	Reactivity Test for <0.25EU/ml	r Class VI-121°C plastics
RDERING IN	Endotoxins FORMATION N2		r Class VI-121°C plastics 045
80 Capsule Filter Size	IFORMATION	<0.25EU/ml	045 Removal Ratings
80 Capsule Filter Size C80	FORMATION N2 Inlet/Outlet N2 1/4" NPT	<0.25EU/ml	045 Removal Ratings 010 0.10μm
80 Capsule Filter Size C80 C150	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT	<0.25EU/ml	045 <u>Removal Ratings</u> 010 0.10μm 020 0.20μm
80 Capsule Filter Size C80 C150 C300	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT	<0.25EU/ml	045 <u>Removal Ratings</u> 010 0.10μm 020 0.20μm 045 0.45μm
80 Capsule Filter Size C80 C150	IFORMATION N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb*	<0.25EU/ml	045 <u>Removal Ratings</u> 010 0.10μm 020 0.20μm
80 Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb* H2 1/4" Hosebarb	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm
80 Capsule Filter Size C80 C150 C300 C610	IFORMATION N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb*	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm
80 Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb* H2 1/4" Hosebarb H3 3/8" Hosebarb	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm

	Filter Membrane	PES	
Materials of	Support/Drainage	PP	
Construction	Core/Cage/End Cap	PP	
	Capsule Shell	PP	
Removal Ratings	0.10μm、0.20μm、0.45μr 3.0μm、5.0μm、10.0μm	n、0.65µm、0.80µm、	1.0µm、
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² / 1200-1 5500-6000cm ² /1100	400cm ² /2400-2800cm ² / 00-12000cm ²
	Maximum Operating Differential Pressure	0.5MPa@25 [°] C 0.1MPa@80 [°] C	
Operating Conditions	Maximum Operating Temperature	80 °C	
	Sterilization Method	Autoclave steam ste Hot water disinfecti	erilization:30min@121℃ on:30min@90℃
Biological Safety	Bio-compatibility		tro Cytotoxicity Test the USP <88> Biological
Diological Surety		Reactivity Test for C	lass VI-121°C plastics
Diological Salety	Endotoxins	Reactivity Test for C <0.25EU/ml	lass VI-121°C plastics
RDERING IN	FORMATION	<0.25EU/ml	
RDERING IN		-	045 Removal Ratings
RDERING IN C80 Capsule Filter Size C80	IFORMATION	<0.25EU/ml	045 Removal Ratings 010 0.10μm
RDERING IN C80 Capsule Filter Size C80 C150	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT	<0.25EU/ml	045 <u>Removal Ratings</u> 010 0.10μm 020 0.20μm
Capsule Filter Size C80 C150 C300	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm
RDERING IN C80 Capsule Filter Size C80 C150 C300 C610	IFORMATION N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb**	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm
RDERING IN C80 Capsule Filter Size C80 C150 C300	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm
RDERING IN C80 Capsule Filter Size C80 C150 C300 C610	IFORMATION N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm
Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb H4 1/2" Hosebarb	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm 300 3.0μm
Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb H4 1/2" Hosebarb* H5 1/4"-1/2" Steppe	<0.25EU/ml	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm
C80 Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb H3 3/8" Hosebarb H4 1/2" Hosebarb* H5 1/4"-1/2" Steppe HC 1/4"-3/8" Steppe	<0.25EU/ml PES d Hosebarb d Hosebarb	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm 300 3.0μm 500 5.0μm
C80 Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb H3 3/8" Hosebarb H4 1/2" Hosebarb* H5 1/4"-1/2" Steppe HC 1/4"-3/8" Steppe TCA 1 1/2" Tri-clamp*	<0.25EU/ml PES d Hosebarb d Hosebarb	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm 300 3.0μm 500 5.0μm
C80 Capsule Filter Size C80 C150 C300 C610	N2 Inlet/Outlet N2 1/4" NPT N2 1/4" NPT N3 3/8" NPT N4 1/2" NPT H1 1/8" Hosebarb** H2 1/4" Hosebarb H3 3/8" Hosebarb H3 3/8" Hosebarb H4 1/2" Hosebarb* H5 1/4"-1/2" Steppe HC 1/4"-3/8" Steppe	<0.25EU/ml PES d Hosebarb d Hosebarb	045 Removal Ratings 010 0.10μm 020 0.20μm 045 0.45μm 065 0.65μm 080 0.80μm 100 1.0μm 300 3.0μm 500 5.0μm

For C610/C620 Size **Not available for C80

MEDCAP PRE-FILTRATION AND REDUCE BIOLOGICAL LOAD SERIES

MedCap-UTC PTFEG Strong Chemical Resistance Capsule Filter

DESCRIPTION

MedCap-UTC PTFEG series capsule filter is made of high porosity hydrophobic PTFE membrane, which has a wide range of chemical tolerance and can provide stable and reliable filtration performance of sterilization and particle removal. Its removal ratings of typical bacteria in the industry have been verified by batches, which can effectively reduce the level of microbial load in liquid filtrate and gas, and is especially suitable for the filtration of various low surface tension chemicals and gases.

MedCap-UTC PES series capsule filter is available in a wide range of cages and connections, and at the same time have good heat tolerance, can withstand hot water disinfection and steam sterilization for a long time, and is widely used in food and beverage and bio-pharmacy.

FEATURES

- ☆ High porosity PTFE membrane
- ☆ Pre-filtration of gas sterilization
- ☆ Broad chemical tolerance
- \bigstar High particle retention efficiency
- ☆ Various cages and connections are available

APPLICATIONS

- ☆ Sterilization of bio-fermentation gas
- ☆ Filtration of aseptic packaging gas
- ☆ Sterilization of food fermentation gas
- ☆ Sterilization filtration of respirator
- ☆ Filtration of chemical solvents

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TECHNICAL PARAMETERS

	Filter Membrane	PTFE
Materials of	Support/Drainage	PP
Construction	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.10µm、0.20µm、0.45µm	n、1.0μm、5.0μm、10.0μm
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² / 1200-1400cm ² /2400-2800cm ² / 5500-6000cm ² /11000-12000cm ²
	Maximum Operating Differential Pressure	0.5MPa@25°C 0.1MPa@80°C
Operating Conditions	Maximum Operating Temperature	80°C
	Sterilization Method	Autoclave steam sterilization:30min@121℃ Hot water disinfection:30min@90℃
Biological Safety	Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
	Endotoxins	<0.25EU/ml

ORDERING INFORMATION

C80	N2
Capsule Filter Size	Inlet/Outlet
C80	N2 1/4" NPT
C150	N3 3/8" NPT
C300	N4 1/2" NPT
C610	H1 1/8" Hosebar
C620	H2 1/4" Hosebar
	H3 3/8" Hosebar
	H4 1/2" Hosebar
	HS 1/4"-1/2" Step
	HC 1/4"-3/8" Step
	TCA 11/2" Tri-clar
	TCB 1/2" Tri-clam
	TCC 1" Tri-clamp*
	* For C610/C620 **Not available for



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MEDCAP EFFICIENT STERILE REMOVAL SERIES

MedCap-UTC PESB Sterile-Grade Capsule Filter with Low Protein Binding and High Retention Efficiency

DESCRIPTION

MedCap-Eff PESB series capsule filter is made of asymmetric PES membrane. With ultra-low protein binding and dissolution/precipitation levels, it can provide stable and reliable terminal sterilization fi Itration performance. It has passed the batch verification of typical bacterial removal ratings in the industry, and its sterilization ability LRV>7.

MedCap-Pre PESB series capsule filter is available in a wide range of cages and connections, and can provide double-layer PES filter membrane. The double-layer filter membrane can provide a longer service life with reliable sterilization ability of the filter element through special design. It is widely used in food and beverage and bio-pharmacy.

FEATURES

☆Strong chemical compatibility ☆High Flux, low protein binding ☆Proven sterile-grade filter element ☆Ultra-low dissolution/precipitation ☆Double-layer membrane can be provided ☆Various cages and connections are available

APPLICATIONS

- ☆ Sterilization filtration of water for injection, cleaning solution, purified water, deionized water
- ☆ Sterilization filtration of LVP, APIs, buffers, eye drops, disinfectants, etc.
- ☆ Sterilization filtration of vaccines, serums, biological products, antibiotic water-based liquid, etc.
- ☆ Filtration of red wine, beer, juice and purified water



TECHNICAL PARAMETERS

		Filter Membrane	PES
	Materials of Construction	Support/Drainage	PP
		Core/Cage/End Cap	PP
		Capsule Shell	PP
	Removal Ratings	0.10µm、0.20µm、0.45µm .20+0.45µm、0.45+0.65µm	、0.10+0.20μm、0.10+0.45μm、0
	Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² / 1200-1400cm ² /2400-2800cm ² / 5500-6000cm ² /11000-12000cm ²
		Maximum Operating Differential Pressure	0.5MPa@25°C0 .1MPa@80°C
	Operating Conditions Biological Safety	Maximum Operating Temperature	0 °C
		Sterilization Method	Autoclave steam sterilization: $30min@121$ C Hot water disinfection: $30min@90$ C
		Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
		Endotoxins	<0.25EU/ml

ORDERING INFORMATION

C80	N2
Capsule Filter Size	Inlet/Outlet
C80	N2 1/4" NPT
C150	N3 3/8" NPT
C300	N4 1/2" NPT
C610	H1 1/8" Hosebarb
C620	H2 1/4" Hosebarb
	H3 3/8" Hosebarb
	H4 1/2" Hosebarb
	HS 1/4"-1/2" Stepp
	HC 1/4"-3/8" Stepp
	TCA 11/2" Tri-clam
	TCB 1/2" Tri-clamp
	TCC 1" Tri-clamp*
	*For C610/C620 S

Not available for C80

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PESB	045
	Removal Ratings
	010 0.10µm
	020 0.20µm
	045 0.45µm
b**	X20 0.20+0.20µm
b	B10 0.10+0.20μm
b	C10 0.10+0.45µm
b*	C20 0.20+0.45µm
ped Hosebarb	D45 0.45+0.65µm
oped Hosebarb	
np*	

amp

20 Size

Note: This ordering information is a guide for selecting filter element specifications. For other special connections or installation details, please contact MS

MEDCAP EFFICIENT STERILE REMOVAL SERIES

MedCap-UTC PTFESG Sterile-Grade Capsule Filter with High Retention Efficiency and High Flux

DESCRIPTION

MedCap-UTC PTFESG series capsule filter is made of high porosity hydrophobic PTFE mem-brane, which has a broad range of chemical toler-ance and can provide stable and reliable terminal sterilization filtration performance. Its removal ratings of typical bacteria in the industry have been verified by batches, and its sterilization ability LRV >7.

MedCap-UTC PTFESG series capsule filter is available in a wide range of cages and connections, and can provide double-layer PTFE filter membrane. The double-layer filter membrane can provide a longer service life with reliable sterilization ability of the filter element through special design. It is widely used in food and beverage and bio-pharmacy.



FEATURES

- ☆ Broad chemical tolerance
- ☆ Proven sterilization efficiency
- ☆ Double-layer membrane can be provided
- ☆ High reliability

APPLICATIONS

- ☆ Sterilization filtration of compressed air, nitrogen
- ☆ Sterilization of fermentation tank, batching tank and breathing filter
- ☆ Filtration of aseptic packaging gas
- Sterilization filtration of solvents and disinfectant

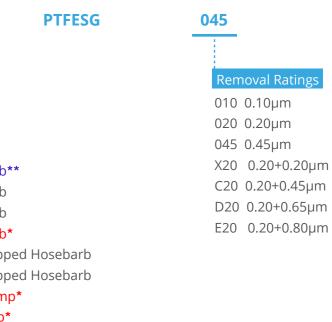
TECHNICAL PARAMETERS

	Filter Membrane	PTFE
Materials of	Support/Drainage	PP
Construction	Core/Cage/End Cap	PP
	Capsule Shell	PP
Removal Ratings	0.10µm、0.20µm、0.45µm	、0.20+0.45µm、0.20+0.65µm、0.20+0.80µm
Filtration Area	C80/ C150 / C300 / C610 / C620	450-840cm ² / 1200-1400cm ² /2400-2800cm ² / 5500-6000cm ² /11000-12000cm ²
	Maximum Operating Differential Pressure	0.5MPa@25 [°] C 0.1MPa@80 [°] C
Operating Conditions	Maximum Operating Temperature	80°C
	Sterilization Method	Autoclave steam sterilization: 30min@121°C Hot water disinfection: 30min@90°C
Biological Safety	Bio-compatibility	Meet USP <87> in vitro Cytotoxicity Test Meet the criteria of the USP <88> Biological Reactivity Test for Class VI-121°C plastics
	Endotoxins	<0.25EU/ml

ORDERING INFORMATION

C80	N2	
Capsule Filter Size	Inlet/Outlet	
C80 C150	N2 1/4" NPT N3 3/8" NPT	
C300 C610	N4 1/2" NPT H1 1/8" Hosebar	^c h ⁱ
C620	H2 1/4" Hosebar	Ъ
	H3 3/8" Hosebar H4 1/2" Hosebar	
	HS 1/4"-1/2" Ste HC 1/4"-3/8" Ste	
	TCA 11/2" Tri-cla TCB 1/2" Tri-clam	
	TCC 1" Tri-clamp*	÷.,
	* For C610/C620 **Not available for	

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Size C80