

Pre-filtration and Redundant Filter Series

Purcise PLE Filter

Hydrophilic Filter with Low Extractables

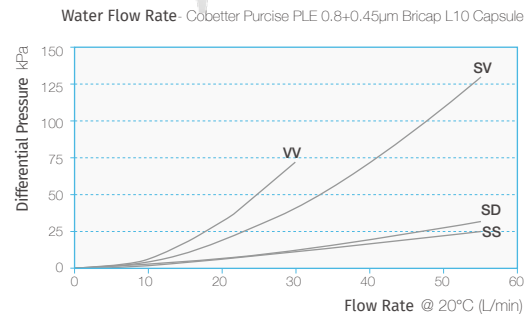


Features

- Composed of double-layer hydrophilic Polyestersulfone media
- Efficient bacteria and particulate retention
- Extensive chemical compatibility (pH 1-14)
- Low extractables

Applications

- Pre-filtration of cell culture medium
- Buffer filtration
- Pre-column/ ultra-filtration protection



Operating Conditions

Max. Temperature	80°C
Max. Differential Pressure	0.55 MPa / 25°C 0.1 MPa / 80°C

Biological Safety

Endotoxins	<0.25 EU/ml
Bio-compatibility	Meet the requirement of USP<87> In Vitro Cytotoxicity Test; Meet the criteria of the USP<88> Biological Reactivity Test for Class VI-121°C plastics

Material of Construction

Filter Type	Bricap C/D/L/T	Cartridge
Membrane	Hydrophilic Polyethersulfone (PES)	
Core/Cage/End Cap	Polypropylene (PP)	Polypropylene (PP)
Capsule Shell	Polypropylene (PP)	—
O-ring	—	Silicone/EPDM/Viton/PTFE
Capsule Vent O-ring	Silicone	—
Removal Ratings	0.8+0.45 µm / 1.0+0.65 µm / 1.5+0.8 µm	

Effective Filtration Area

BriScale A50	Bricap C/D	Bricap L	Bricap T	Cartridge
A50: 20cm ²	C01 : 180cm ² C02 : 420cm ² C03 : 660cm ²	L02: 0.12m ² L03: 0.16m ² L05: 0.28m ²	T10: 0.55m ² T20: 1.1m ² T30: 1.65m ²	5" : 0.28m ² 10" : 0.55m ² 20" : 1.1m ² 30" : 1.65m ² 40" : 2.2m ²
	D01 : 350cm ²	L10: 0.55m ² L20: 1.1m ² L30: 1.65m ²		

Sterilization Capability

Sterilization Method/Filter Format	BriScale Disc, Bricale C/ L / T	Bricap D	Cartridge
Gamma-irradiation	25-45kGy	/	/
Autoclave (126°C) applies only to Gamma-compatible package	5 cycle, 60min	/	/
Autoclave (130°C) applies only to Autoclave package	25 cycle, 30min	25 cycle, 30min	50 cycle, 30min
SIP (135°C) applies only to cartridge	/	/	50 cycle, 30min

Purcise (Liquid) Series Part Number Configurator (PES)

Capsule Filter Example : C01TTPLESA1P

Bricap C Small Capsule Filter Series

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
Capsule Formats	Inlet	Outlet
C01 Bricap C01	K 14 mm (9/16") Sanitary Flange	
C02 Bricap C02	T 19 mm (3/4") Sanitary Flange	
C03 Bricap C03	F 31 mm (1 1/4") Sanitary Flange	
	A 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (liquids & outlet only)	
	B 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb	
	L 3.2mm(1/8") Hose Barb	
	Y 9.6mm(3/8") Hose Barb	
	H 13mm(1/2") Hose Barb	
	V 14 mm (9/16") Hose Barb	

<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Membrane Type

PLES PLE 0.8+0.45µm
PLEH PLE 1.0+0.65µm
PLEL PLE 1.5+0.8µm

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sterilization	Quantity/Package	Market
A Autoclavable	1 1 / pkg	P
G Gamma Compatible		
S Sterile		

Bricap D Small Capsule Filter Series

D01 Bricap D01	A 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (liquids & outlet only)
	B 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb

Bricap Inline Capsule Filters Series

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Capsule Formats	Inlet	Outlet
L02 Bricap L02	K 14 mm (9/16") Sanitary Flange	
L03 Bricap L03	T 19 mm (3/4") Sanitary Flange	
L05 Bricap L05	S 38 mm (1 1/2") Sanitary Flange	
L10 Bricap L10	Y 9.6 mm(3/8") Hose Barb	
L20 Bricap L20	H 13 mm (1/2") Hose Barb	
L30 Bricap L30	V 14 mm(9/16") Hose Barb	
	X 16 mm (5/8") Hose Barb	
	M 19 mm(3/4") Hose Barb	
	D 25 mm (1") Hose Barb	

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Sterilization	Quantity/Package	Market
A Autoclavable	1 1 / pkg	P
G Gamma Compatible		
S Sterile		

Bricap T Capsule

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Capsule Formats	Inlet	Outlet
T10 Bricap T10	S 38 mm(1 1/2") Sanitary Flange	Gauge Port Type
T20 Bricap T20	T 19 mm (3/4") Sanitary Flange	S 38 mm(1 1/2") Sanitary Flange
T30 Bricap T30	N Without Gauge Port	T 19 mm (3/4") Sanitary Flange
	SS 38mm(1 1/2") Sanitary Flange Inlet & Outlet	
	SM 38mm(1 1/2") Sanitary Flange Inlet & 19 mm (3/4") Hose Barb Outlet	

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Sterilization	Quantity/Package	Market
A Autoclavable	1 1 / pkg	P
G Gamma Compatible		
S Sterile		

BriScale Disc Liquid Filter

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Capsule Formats	Inlet	Outlet
A50 BriScale A50	A 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (outlet only)	
	B 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb (no Filling Bell)	

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Sterilization	Quantity/Package	Market
A Autoclavable	1 1 / pkg	P
G Gamma Compatible	2 2 / pkg	
S Sterile		

Cartridge Filter Example : APLES050SP

Cartridge Filters

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Cartridge Type	Media	Length	Code	O-ring Material	Market
A Standard Cartridge Pharmaceutical	PLES PLE 0.8+0.45µm PLEH PLE 1.0+0.65µm PLEL PLE 1.5+0.8µm	05 5 inch 10 10 inch 20 20 inch 30 30 inch 40 40 inch	0 DOE 2 226 / Flat 7 226 / Fin 3 222 / Flat 8 222 / Fin	E EPDM V Fluoroelastomer S Silicone P FEP/PFA encapsulated O-rings	P