

Pre-filtration and Redundant Filter Series

Safetect PME High Dirt Holding Capacity



Features

- Composed of double-layer Polyestersulfone media
- Extensive chemical compacity
- High dirt holding capacity

Applications

- Sterilize 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

Materials of Construction

Filter Type	Bricap C/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+0.1Nµm; 1.0+0.2Nµm	

Effective Filtration Area

BriScale A50	Bricap C/D	Bricap L	Bricap T	Cartridge
A50: 20cm ²	C01 : 180cm ²	L02 : 0.12m ²	T10 : 0.55m ²	5" : 0.28m ²
	C02 : 420cm ²	L03 : 0.16m ²	T20 : 1.1m ²	10" : 0.55m ²
	C03 : 660cm ²	L05 : 0.28m ²	T30 : 1.65m ²	20" : 1.1m ²
	D01 : 350cm ²	L10 : 0.55m ²		30" : 1.65m ²
		L20 : 1.1m ²		40" : 2.2m 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	
PMEA PME 0.8+0.1Nµm	
PMEB PME 1.0+0.2Nµm	

<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

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

<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 T Capsule

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

<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		

BriScale Disc Liquid Filter

<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
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)	

<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sterilization	Quantity/Package	Market
A Autoclavable	1 1 / pkg	P
G Gamma Compatible	2 2 / pkg	
S Sterile		

Cartridge Filter Example : APLES050SP

Cartridge Filters

<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cartridge Type	Media	Length	Code	O-ring Material	Market
A Standard Cartridge Pharmaceutical	PMEA PME 0.8+0.1Nµm PMEB PME 1.0+0.2Nµm	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