Sterile-Grade Filters

Corevital SMD Filter

High Flow Rate, Low Protein Binding Hydrophilic Sterile Filter

Features

· High flow rates
· Low protein binding
· Efficient bacteria and particulate retention

Applications

· Sterilize filtration of cell culture medium
· Ophthalmic solution
· Filtration of cell culture medium
· Buffer filtration
· Filtration of blood products/serums
· Sterile filtration of intermediate products
· Pre-column/ultra-filtration protection
· Sterile filtration of terminal products
· Filtration of colloids/Viscous liquids

Operating Conditions

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

Materials of Construction

Filter Type	Bricap C/L/T	Cartridge
Membrane	Polyvinylidene fluoride (PVDF)	
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	0.2 μm/0.2+0.1 μm/0.45+0.2 μm/0.65+0.2 μm	

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

Effective Filtration Area

BriScale A50	Bricap C/D	Bricap L	Bricap T	Cartridge
A50: 20cm²	C01 : 180cm²	L02: 0.12m²	T10: 0.55m²	5" : 0.28m²
	C02 : 420cm²	L03: 0.16m²	T20: 1.1m²	10": 0.55m²
	C03 : 660cm²	L05: 0.28m²	T30: 1.65m²	20": 1.1m²
	D01 : 350cm²	L10: 0.55m²		30": 1.65m²
		L20: 1.1m²		40": 2.2m²
		L30: 1.65m²		

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 Atoclave package	25 cycle,30min	25 cycle, 30min	50 cycle, 30min
SIP (135°C) applies only to cartridge	/	/	50 cycle, 30min

Corevital (Liquid) Series Part Number Configurator (PVDF)

Capsule Filter Example : C01TTSNDBA1P

Bricap C Small Capsule Filter Series

□□□ Capsule Formats

C01	Bricap C01
C02	Bricap C02
C03	Bricap C03
D01	Bricap D01

□ □ Inlet Outlet

K	14 mm (9/16") Sanitary Flange
T	19 mm (3/4") Sanitary Flange
F	31 mm (1 1/4") Sanitary Flange
A	6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (liquids 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

□□□□ Membrane Type

SMDN	SMD 0.2μm
SMDS	SMD 0.45+0.2μm
SMDH	SMD 0.65+0.2μm
SMDA	SMD 0.2+0.1μm
SMDB	SMD 0.2+0.2μm

□ Sterilization

A	Autoclavable
G	Gamma Compatible
S	Sterile

□ Quantity/Package

1	1 / pkg

P Market

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Bricap Inline Capsule Filters Series

□□□ Capsule Formats

L02	Bricap L02
L03	Bricap L03
L05	Bricap L05
L10	Bricap L10
L20	Bricap L20
L30	Bricap L30

□ □ Inlet Outlet

K	14 mm (9/16") Sanitary Flange
T	19 mm (3/4") Sanitary Flange
S	38 mm (1 1/2") Sanitary Flange
Y	9.6 mm(3/8") Hose Barb
H	13 mm (1/2") Hose Barb
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

□ Sterilization

A	Autoclavable
G	Gamma Compatible
S	Sterile

□ Quantity/Package

1	1 / pkg

P Market

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Bricap T Capsule

□□□ Capsule Formats

T10	Bricap T10
T20	Bricap T20
T30	Bricap T30

□ □ Inlet Outlet

SS	38mm(1 1/2") Sanitary Flange Inlet & Outlet
SM	38mm(1 1/2") Sanitary Flange Inlet & 19 mm (3/4") Hose Barb Outlet

□ Gauge Port Type

S	38 mm(1 1/2") Sanitary Flange
T	19 mm (3/4") Sanitary Flange
N	Without Gauge Port

□ Sterilization

A	Autoclavable
G	Gamma Compatible
S	Sterile

□ Quantity/Package

1	1 / pkg

P Market

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BriScale Disc Liquid Filter

A 5 0 Capsule Formats

A50	BriScale A50

□ □ Inlet Outlet

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)

□ Sterilization

A	Autoclavable
G	Gamma Compatible
S	Sterile

□ Quantity/Package

1	1 / pkg
2	2 / pkg

P Market

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Cartridge Filter Example : APMDSB050SP

Cartridge Filters

A Cartridge Type

A	Standard Cartridge Pharmaceutical

□□□□ Media

SMDN	SMD 0.2μm
SMDS	SMD 0.45+0.2μm
SMDH	SMD 0.65+0.2μm
SMDA	SMD 0.2+0.1μm
SMDB	SMD 0.2+0.2μm

□□ Length

05	5 inch
10	10 inch
20	20 inch
30	30 inch
40	40 inch

□ Code

0	DOE
2	226 / Flat
7	226 / Fin
3	222 / Flat
8	222 / Fin

□ O-ring Material

E	EPDM
V	Fluoroelastomer
S	Silicone
P	FEP/PFA encap-sulated O-rings

P Market

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