

Gas Filtration Filter Series

Corevital® APB Filter Gamma-resistant Hydrophobic Filter



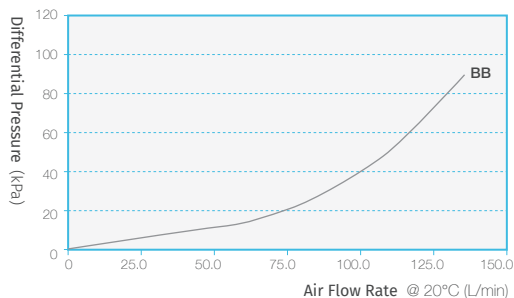
Features

- High retention efficiency
- Low differential pressure
- Efficient bacteria and particulate retention
- Gamma irradiation

Applications

- Vent Filters for fermentors, tanks, etc.
- Sterile-grade filtration for compressed air, oxygen, nitrogen etc.

Air Flow Rate - Cobetter Corevital APB Bricap CO2 Capsule



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/D/L
Membrane	Hydrophobic Polyvinylidene Fluoride (PVDF)
Core/Cage/End Cap	Polypropylene (PP)
Capsule Shell	Polypropylene (PP)
O-ring	Polypropylene (PP)
Capsule Vent O-ring	Silicone
Removal Ratings	0.2 µm

Effective Filtration Area

Bricap® SFU/V	Bricap® C/D	Bricap® L	Bricap® T	Cartridge
SFU13 : 0.72cm ²	C01 : 290cm ²	L03 : 0.25m ²	T10 : 0.75m ²	5"
SFU25 : 3.4cm ²	C02 : 640cm ²	L05 : 0.375m ²	T20 : 1.5m ²	10"
SFU33 : 4.5cm ²	C03 : 1000cm ²	L10 : 0.75m ²	T30 : 2.25m ²	20"
V42 : 13.8cm ²	D01 : 450cm ²	L20 : 1.5m ²		30"
V50A : 20cm ²		L30 : 2.25m		40"
V50D : 20cm ²				

Sterilization Capability

- **BriScale® Disc**, **Bricap® C**, **Bricap® L**, **Bricap® T**: Autoclave (126°C, 60min, 3 times), Gamma irradiation or Pre-sterilization
- **Bricap® D**: Autoclave
- **Filter Cartridges**: SIP & Autoclave

Bricap® C/D Small Capsule Filter Series

Capsule Formats	Inlet & Outlet	Membrane Type	Sterilization	Quantity/Package	
C01 Bricap® C01	K 14 mm (9/16")	ACEB PTFE ACE 0.2µm	A Autoclavable	1 1 / pkg	P Pharmaceutical
C02 Bricap® C02	T 19 mm (3/4") Sanitary Flange	AFMB (Gas) AFM 0.2µm	G Gamma Compatible		
C03 Bricap® C03	F 31 mm (1 1/4") Sanitary Flange	AFLB AFL 0.2µm	S Sterile		
D01 Bricap® D01	A 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (liquids only)	APBB PVDF APB 0.2µm (Gas)			
	B 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb	PLES PES PLE 0.8+0.45µm (Liquid)			
	Y 9.6mm(3/8") Hose Barb	PLEH PLE 1.0+0.65µm			
		PLEL PLE 1.5+0.8µm			
		PAFS PAF 0.45µm			
		PAFP PAF 1.0µm			
		SLEN SLE 0.2µm			
		SLES SLE 0.45+0.2µm			
		SLEH SLE 0.65+0.2µm	A Autoclavable	1 1 / pkg	P Pharmaceutical
		SLEL SLE 0.8+0.2µm	G Gamma Compatible		
		SLEC SLE 1.2+0.2µm	S Sterile		
		SAFS SAF 0.45+0.2µm			
		SPSN SPS 0.2µm			
		MLEB MLE 0.2+0.1µm			
		MLES MLE 0.45+0.1µm			

Bricap® In-line Capsule Filters

Capsule Formats	Inlet & Outlet	Membrane Type	Sterilization	Quantity/Package	
L02 Bricap® L02	S 38 mm (1 1/2") Sanitary Flange	PND5 PVDF PND 0.8+0.45µm (Liquid)			
L03 Bricap® L03	T 19 mm (3/4") Sanitary Flange	SNDB SND 0.2+0.2µm			
L05 Bricap® L05	K 14 mm (9/16") Sanitary Flange	CHE03 PP CHE 0.3µm			
L10 Bricap® L10	D 25 mm (1") Hose Barb	CHE06 CHE 0.65µm			
L20 Bricap® L20	M 19 mm (3/4") Hose Barb	CHE10 CHE 1.0µm	A Autoclavable	1 1 / pkg	P Pharmaceutical
L30 Bricap® L30	X 16 mm (5/8") Hose Barb	CHE30 CHE 3.0µm	G Gamma Compatible		
	V 14 mm (9/16") Hose Barb	CHE50 CHE 5.0µm	S Sterile		
	H 13 mm (1/2") Hose Barb	CHC05 CHC 0.5µm			
		CHC10 CHC 1.0µm			
		CHC30 CHC 3.0µm			
		CHC50 CHC 5.0µm			
		CHC1X CHC 10µm			
		CHT05 CHT 0.5µm			
		CHT06 CHT 0.6µm			
		CHT08 CHT 0.8µm			
		CHT10 CHT 1.0µm			
		CHT15 CHT 1.5µm			
		CHT50 CHT 5.0µm			
		CHT1X CHT 10µm			
		CHT2X CHT 20µm			
		CHT4X CHT 40µm			
		CHT7X CHT 70µm			
		CHT9X CHT 90µm			
		CHV02 GF CHV 0.2µm			
		CHV04 CHV 0.45µm			
		CHV08 CHV 0.8µm			
		CHV10 CHV 1.0µm			
		CHV30 CHV 3.0µm			
		CHV50 CHV 5.0µm			

Bricap® T Capsule Filters

Capsule Formats	Inlet, Outlet & Gauge Port	Membrane Type	Sterilization	Quantity/Package	
T10 Bricap® T10	S 38 mm (1 1/2") Sanitary Flange	CHE03 PP CHE 0.3µm			
T20 Bricap® T20	T 19 mm (3/4") Sanitary Flange	CHE06 CHE 0.65µm			
T30 Bricap® T30	K 14 mm (9/16") Sanitary Flange	CHE10 CHE 1.0µm	A Autoclavable	1 1 / pkg	P Pharmaceutical
	N without Gauge Port	CHE30 CHE 3.0µm	G Gamma Compatible		
		CHE50 CHE 5.0µm	S Sterile		
		CHC05 CHC 0.5µm			
		CHC10 CHC 1.0µm			
		CHC30 CHC 3.0µm			
		CHC50 CHC 5.0µm			
		CHC1X CHC 10µm			
		CHT05 CHT 0.5µm			
		CHT06 CHT 0.6µm			
		CHT08 CHT 0.8µm			
		CHT10 CHT 1.0µm			
		CHT15 CHT 1.5µm			
		CHT50 CHT 5.0µm			
		CHT1X CHT 10µm			
		CHT2X CHT 20µm			
		CHT4X CHT 40µm			
		CHT7X CHT 70µm			
		CHT9X CHT 90µm			

Brisip® Steam-in-Place Capsule Filters

Capsule Formats	Inlet & Outlet	Membrane Type	Sterilization	Quantity/Package	
SP3 Brisip® SP3	S 38 mm (1 1/2") Sanitary Flange	CHV02 GF CHV 0.2µm			
		CHV04 CHV 0.45µm			
		CHV08 CHV 0.8µm			
		CHV10 CHV 1.0µm			
		CHV30 CHV 3.0µm			
		CHV50 CHV 5.0µm			

BriScale® Disc Liquid Filter

Capsule Formats	Inlet & Outlet	Membrane Type	Sterilization	Quantity/Package	
A50 BriScale® A50	A 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb with Filling Bell (outlet only)	CHV02 GF CHV 0.2µm			
	B 6-13 mm (1/4"-1/2") Multiple Stepped Hose Barb (no Filling Bell)	CHV04 CHV 0.45µm			
		CHV08 CHV 0.8µm			
		CHV10 CHV 1.0µm			
		CHV30 CHV 3.0µm			
		CHV50 CHV 5.0µm			

Bricap® SFU/V Disc Gas Filter

Capsule Formats	Inlet & Outlet	Membrane Type	Sterilization	Quantity/Package	
U13 Bricap® SFU13	CP Female Luer Lok™ Inlet and Male Luer Lok™ Outlet (Bricap SFU Series only)	CHV02 GF CHV 0.2µm			
U25 Bricap® SFU25	EE 6-9 mm (1/4"-3/8") Stepped Hose Barb Inlet and Outlet (Bricap V42 only)	CHV04 CHV 0.45µm			
U33 Bricap® SFU33	BB 6-13 mm (1/4"-1/2") Stepped Hose Barb Inlet and Outlet (Bricap V50A & V50D only)	CHV08 CHV 0.8µm			
V42 Bricap® V42		CHV10 CHV 1.0µm			
V5A Bricap® V50A		CHV30 CHV 3.0µm			
V5D Bricap® V50D		CHV50 CHV 5.0µm			

Cartridge Filters

Cartridge Type	Media	Length	Code	O-ring Material	Quantity/Package	
A Standard Cartridge		05 5 inch	0 DOE	S Silicone	1 1 / pkg	P Pharmaceutical
		10 10 inch	2 226 / Falt	E EPDM		
		20 20 inch	7 226 / Fin	V Fluoroelastomer		
		30 30 inch	3 222 / Falt	P FEP/PFA encap-sulated O-rings		
		40 40 inch	8 222 / Fin			