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

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	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	

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
- **PMDS** PMD 1.0+0.45μm
- **SMDN** SMD 0.2μm
- **SMDS** SMD 0.45+0.2μm
- **SMDH** SMD 0.65+0.2μm
- **SMDA** SMD 0.2+0.1μm

Sterilization
- **A** Autoclavable
- **G** Gamma Compatible
- **S** Sterile

Quantity/Package
- **1** 1 / pkg

Market: **P**

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

Market: **P**

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

Market: **P**

BriScale Disc Liquid Filter

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

Market: **P**

Cartridge Filter Example : APMDSB050SP

Cartridge Filters

Cartridge Type
- **A** Standard Cartridge Pharmaceutical

Media
- **PMDS** PMD 1.0+0.45μm
- **SMDN** SMD 0.2μm
- **SMDS** SMD 0.45+0.2μm
- **SMDH** SMD 0.65+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

Market: **P**