

Pre-filtration and Redundant Filter Series

Purcise® PLE Filter

Hydrophilic Filter with Low Extractables

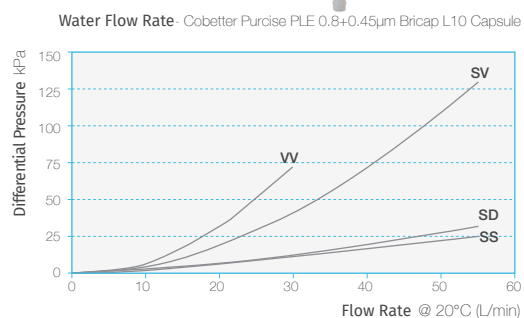


Features

- 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



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® A25/A50	Bricap® C/D	Bricap® L	Bricap® T	Cartridge
A25: 3.4cm ²	C01 : 180cm ²	L03 : 0.16m ²	T10 : 0.55m ²	5"
A50: 20cm ²	C02 : 420cm ²	L05 : 0.28m ²	T20 : 1.1m ²	10"
	C03 : 660cm ²	L10 : 0.55m ²	T30 : 1.65m ²	20"
	D01 : 350cm ²	L20 : 1.1m ²		30"
		L30 : 1.65m ²		40"

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