

Bio Depth Capsule Filter

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The Bio Depth Capsule Filter are designed for Bio-products industry which mainly used in cell harvest clarification and downstream liquid filtration. The MSBDID is for lab scale filtration, MSBDED is for pilot testing research and lab scale protein production. The MSBDRD includes three models with different processing capabilities: small, large and integrated models. All models are comprised of a holder, a set of top and bottom separators, and a number of filter modules that can be adjusted. The Bio Depth Capsule Filters have completely independent filter medium, its pore size of upper and lower layer is asymmetrical, this design not only helps to enhance the contaminant holding capacity but also helps to extend the service life of the filter cartridge.

Application

- Culture medium filtration
- Cell lysates filtration
- Host cell protein or hybrid protein aggregates filtration
- Protect downstream process

Features

- Disposable design makes it easier to install and dismantle
- High contaminant holding capacity
- High filtration efficiency for impurities
- Manufactured in a clean room environment

Bio-Safety

Endotoxin	Comply with USP<85>, endotoxin content <0.25EU/ mL
Biocompatibility	Comply with USP<87>USP<88>

Construction of Materials

Media Cellulose	filter-aids and resins
Core/Cage/End Cap	PP/PC
Seal Material Option	Silicone

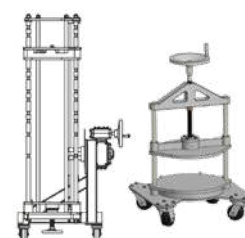
Performance

Max. Operating Temperature	40 °C(104°F)
Max. Operating DP	3 bar (44 psi) 125°C, 30min,
Autoclaving	1cycle



MSBDD-L

Filtration Area: 4000cm²



Filter Holders



MSBDID

Filtration Area: 34cm²



MSBDED-S

Filtration Area: 1600cm²



Single cell capsule

Filtration Area: 0.23m²(2.4ft²)



Multicell capsule

Dual layer:1 .6m²(17.2ft²)
Single layer:2 .5m²(27.0ft²)

ORDERING INFORMATION		
Product Type	Core	Removal Rating
MSBDID	P = PP	C0102 = 0.1~0.4µm C0105 = 0.1~0.8µm C0140 = 0.1~9µm C0240 = 0.2~9µm C0290 = 0.2~20µm C0690 = 0.6~20µm C0890 = 0.8~20µm

ORDERING INFORMATION			
Product Type	Core	Removal Rating	Length
MSBDID	P = PP	C0102 = 0.1~0.4µm C0105 = 0.1~0.8µm C0140 = 0.1~9µm C0240 = 0.2~9µm C0290 = 0.2~20µm C0690 = 0.6~20µm C0890 = 0.8~20µm	S = Short L = Long

ORDERING INFORMATION						
Product Type	Membrane	Removal Rating	Filter Cell	Layer		Seal Material
MSBDID	C = PC	C0102 = 0.1~0.4µm C0105 = 0.1~0.8µm C0140 = 0.1~9µm C0240 = 0.2~9µm C0290 = 0.2~20µm C0690 = 0.6~20µm C0890 = 0.8~20µm	S= Single-Cell Capsule L = Multi-Cell Capsule	001=1 003=3 005=5 007=7 009=9 011=11	002=2 004=4 006=6 008=8 010=10	S = Silicone B=None T=Top R=Bottom TR= Top + Bottom