



Depth Filter Sheets

Roheap CSD



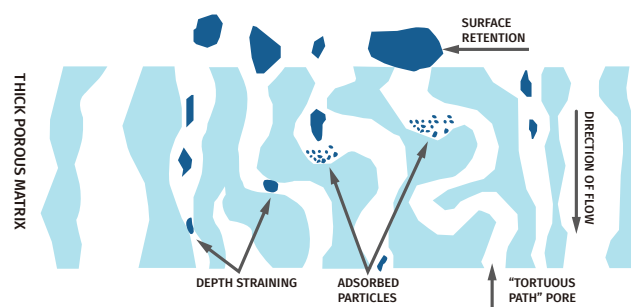
Roheap CSD

Depth Filter Sheets

Cobetter Roheap CSD DEBL50 depth filter sheet is composed of high purity cellulose, resin and inorganic filter aids with a special technology. The three-dimensional inner structure provides excellent filtration efficiency and contamination retention, which makes it a high performance depth filter sheet. It's validated with extremely low levels of extractables, metal leachables and endotoxins.

Cobetter Roheap CSD CEBLS4 depth filter sheet is made of cellulose and resin; it's validated with extremely low levels of extractables, metal leachables and endotoxins.

With advanced and highly automatic production lines, all raw materials are passed critical quality control inspection procedure, Cobetter provides filter sheets in uniform and stable quality level and excellent filtration performance.



Benefits

- High purity
- Low extractable level of metal ion
- Low endotoxin level
- Pharmaceutical Grade
- High Wetting strength
- Good surface smooth
- Hydrophobic
- Easy to collect filtration cake

Sheet Size

1000*1000 mm
774*774 mm
615*615 mm
573*573 mm
400*400 mm
200*200 mm
.....

*Remarks: customizing size is available, please contact local Cobetter sales

Chemical Compatibility

Chemicals	Concentration	@20°C	@80°C
NaOH	2%	G	P
HCl	5%	G	P
HNO ₃	5%	G	P
H ₂ SO ₄	10%	G	P
Acetic acid	38%	G	G
Citric acid	10%	G	G
Peracetic acid	0.1%	G	G
Butanol	80%	G	G
Ethanol	80%	G	G

G = Recommended; P = Not recommended

Biosafety

Bio-compatibility	Meet the requirement of USP <87> In Vitro Cytotoxicity Test;
Endotoxins	Meet the criteria of the USP <88> Biological Reactivity Test for Class VI - 121 plastics

Applications

Plasma Products

Plasma fractionation
Clarification filtration

Material of Construction

Sheet Type	DE sheet : Cellulose, inorganic aid, resin
	CE sheet : Cellulose, resin

Working Conditions

Max. Temperature	80°C
Max. Differential Pressure	0.24 MPa /80°C ; 0.3 MPa /40°C
Flush Before Use	Recommended flushing volume

Technical Data

Filter sheet type	DEBL01	DEBL02	DEBL04	DEBL08	DEBL10	DEBL20	DEBL40	DEBL50
Nominal rating (µm)	0.1	0.2	0.4	0.8	1.0	2.0	4.0	0.6-3.8
Thickness (mm)	3.6-4.0	3.6-4.0	3.6-4.0	3.6-4.0	3.6-4.0	3.6-4.0	3.6-4.0	3.4-3.8
Wetting strength (kPa)	>150	>150	>150	>150	>150	>150	>150	>400
Water Flux @ 100kpa L/min*m²	35-55	55-80	80-140	150-250	250-350	350-450	1500-2500	200-300
Endotoxins (EU/ml)	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Ash (%)	55-65	55-65	45-55	45-55	45-55	45-55	45-55	20-25
Al Content (ppb)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50

Filter sheet type	CEBL01	CEBL02	CEBL05	CEBL07	CEBL10	CEBL20	CEBLS4	CEBLE1
Nominal rating (µm)	0.1-0.2	0.2-0.4	0.5-0.7	0.7-1.0	1.0-2.0	2.0-3.0	/	5.0-10.0
Thickness (mm)	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	3.5-4.0	1.4-1.6	1.3-1.6
Wetting strength (kPa)	>150	>150	>150	>150	>150	>150	>400	>150
Water Flux @ 100kpa L/min*m²	50-100	100-150	150-300	300-400	400-500	500-700	300-600	1500-2500
Endotoxins (EU/ml)	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25	< 0.25
Ash (%)	< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Al Content (ppb)	< 50	< 50	< 50	< 50	< 50	< 50	< 50	< 50

Ordering Information

Roheap CSD Depth Filter Sheets - Round Format

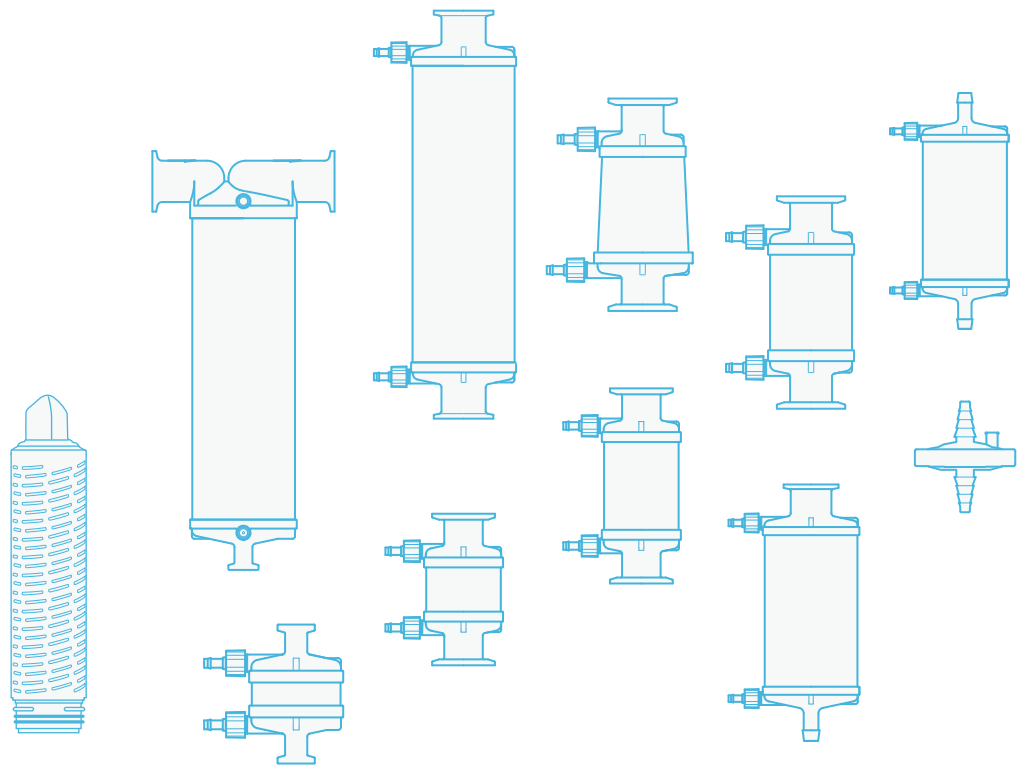
C S D		B L O 1		P
Fiter Format		Removal Ratings		
CSD Roheap CSD Depth Filter Sheets	DE DE With filter aids CE CE No filter aids	DE BL01 0.1µm BL02 0.2µm BL04 0.4µm BL08 0.8µm BL10 1.0µm BL20 2.0µm BL40 4.0µm BL50 0.6-3.8µm	CE BL01 0.1-0.2µm BL02 0.2-0.4µm BL05 0.5-0.7µm BL07 0.7-1.0µm BL10 1.0-2.0µm BL20 2.0-3.0µm BSL4 / BLE1 5.0-10.0µm	47 47mm P Pharmaceutical

Roheap CSD DepthFilter Sheets - Suqare Format

C S D		B L O 1	F		P
Fiter Format		Removal Ratings	Membrane Type		
CSD Roheap CSD Depth Filter Sheets	DE DE With filter aids CE CE No filter aids	DE BL01 0.1µm BL02 0.2µm BL04 0.4µm BL08 0.8µm BL10 1.0µm BL20 2.0µm BL40 4.0µm BL50 0.6-3.8µm	F Square sheets	Size 200200 200×200mm 400400 400×400mm 600600 600×600mm 700700 700×700mm 800800 800×800mm	P Pharmaceutical

Our Mission

Committed to providing excellent products and continuous innovative solutions, we help customers optimise their process and improve product quality.



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