

Qingdao Ecofiltrone Industrial Technology Co., LTD

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CE Series - PP Pleated Filter Cartridges

CE Series are All-polypropylene Filter Cartridges in economically effi cient design, suitable for a wide range of process applications. The pleated polypropylene filter material provides a large filtration surface area which allows for maximized flow rate in the system. PP Pleated Filter Cartridges are available in nominal retention ratings from 0.1 to 50 um

Filter cartridge specifications

Media	PP
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	From 0.1 to 100μm
Certificate	FDA, NSF/ANSI 61
Typical applications	RO Pre-Filtration,Fine Chemicals, Process water, etc.

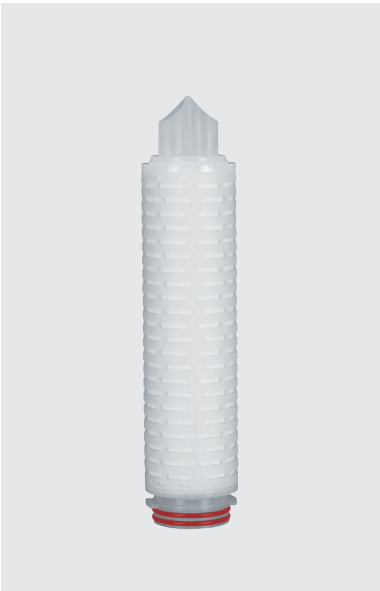


ECFG Series - PP Pleated Filter Cartridges

ECFG Series Filter Cartridges are absolute rated, pleated depth-type fi lters, constructed of 100% polypropylene material.These filters are available in absolute particle retention ratings from 0.1 to 50 micron and various end cap configurations to fit into the most standard housings.The filter media and its support structure are thermally welded to the end caps, making integral filter cartridges of minimum extractables in a wide range of fluids and applications.

Filter cartridge specifications

Media	PP
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	From 0.1 to 50μm
Certificate	FDA, NSF/ANSI 61, Halal, EU10/2011
Typical applications	Food & beverage, Plating chemicals, Process water, RO pre-filtration, etc.



ECSG Series - PP Pleated Filter Cartridges

ECSG Series Filter Cartridges are comprised of multi-layers media. The unique construction results in a highly porous, continuously graded pore structure with a tighter inner layer and several outer prefilter laye rs to substantially increase the dirt holding capacity.

Filter cartridge specifications

Media	PP
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	From 0.1 to 20μm
Certificate	FDA, NSF/ANSI 61
Typical applications	Food & Beverage, Fermentation liquids, Plating chemicals, Colloid material filtration, etc.



ECPGA Series - PP Pleated Filter Cartridges

ECPGA Series are all-polypropylene filter cartridges featuring submicron fine fiber media provides smaller pores. It is fabricated without using any binders, adhesives, plasticizers, and surfactants. PGA filters can be repeatedly hot water sanitized. The filter media and its support structure are thermally welded to the end caps, making integral filter cartridges of minimum extractables in a wide range of fluidsand applications.

Filter cartridge specifications

Media	PP
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Certificate	FDA, NSF/ANSI 61
Typical applications	Pharmacitical, Fine chemicals, RO pre-filtration, Process water, etc.



ECPAA Series - PES Pleated Filter Cartridges

ECPAA Series PES Pleated Filter Cartridges are designed to provide greater bacteria and particle removal at high flow rates and low pressure drops in a wide range of biological fluids. It offers the excellent assurance of filtration performance, stability, and service life. All components of the PAA filter cartridges comply with FDA regulations for food.

Filter cartridge specifications

Media	PES
Cage/Core/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.04μm, 0.1μm, 0.22μm, 0.45μm, 0.65μm, 1.2μm
Filtration area	0.65m^2/10"
Extractables	<20mg/10" Filter Cartridge
Sterilization	Autoclave Sterilization: 125℃, 30min, 30cycles SIP: 125℃, 30min, 30cycles
Quality	100% integrity tested
Certificate	Validated with *B. diminuta* (ATCC19146) at 10^7/cm^2 (0.22μm), USP<88>for plastic Class VI-121℃
Typical applications	LVP, SVP, Biological product, Antibiotic aqueous, etc.



ECPAB Series - PES Pleated Filter Cartridges

ECPAB Series PES Pleated Filter Cartridges are made of hydrophilic high asymmetric polyethersulfone membrane, which can provide exceptionally high flow rate and long service life for processing large fluid volumes. It has excellent retention of microorganisms for superior protection of final filters. This characteristic makes it ideal for Food and filtration.

Media	High asymmetric PES
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.22μm, 0.45μm, 0.65μm
Filtration area	0.65m^2/10"
Extractables	<20mg/10" Filter Cartridge
Sterilization	Autoclave Sterilization: 125℃, 30min, 30cycles SIP: 125℃, 30min, 30cycles
Quality	100% integrity tested
Certificate	Validated with *B. diminuta* (ATCC19146) at 10^7/cm^2 (0.22μm), USP<88>for plastic Class VI-121℃
Typical applications	Food & Beverage, Reduce biological load, etc.



ECPAD Series - PES Pleated Filter Cartridges

ECPAD Series Filter Cartridges are constructed of highly asymmetric PES membrane and imported support layer. Unique double layer hydrophilic polyethersulfone contributes to its excellent filtration performance and reliable bacteria-intercepting ability.

Filter cartridge specifications

Media	Double layers PES
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.22+0.1μm, 0.22+0.22μm, 0.45+0.22μm, 0.45+0.45μm, 0.65+0.45μm
Filtration area	0.56m^2/10"
Extractables	<25mg/10" Filter Cartridge
Sterilization	Autoclave Sterilization: 125℃, 30min, 30cycles SIP: 125℃, 30min, 30cycles
Quality	100% integrity tested
Certificate	Validated with B. diminuta (ATCC19146) at 10^7/cm^2 (0.22μm), USP<88>for plastic Class VI-121℃
Typical applications	LVP, SVP, Biological product, etc.



ECBTG Series - PTFE Pleated Filter Cartridges

ECBTG Series Filter Cartridges are made of PTFE, and thus have excellent resistance to organic and inorganic chemical corrosive substances and have natural hydrophobicity of filtering materials.

Filter cartridge specifications

Media	Hydrophobic PTFE
Cage/Core/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 Bar@20℃, 2.0 Bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.1μm, 0.22μm, 0.45μm, 1μm, 3μm, 5μm, 10μm
Sterilization	Autoclave Sterilization: 135℃, 30min, 30cycles SIP: 135℃, 30min, 30cycles
Quality	100% integrity tested
Typical applications	Strong oxidative, Solvent materials, Corrosive liquids, etc.



ECPTG Series - PTFE Pleated Filter Cartridges

ECPTG Series Filter Cartridge is made of inherently hydrophobic PTFE membrane, ensuring the sterilizing performance in different humidity environments. The reinforced core makes the filter cartridges have higher pressure resistance to withstand, The in-line steam sterilization and autoclave.

Filter cartridge specifications

Media	Hydrophobic PTFE
Cage/Core/End Cap	Oxidation resistant PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	Liquid: 0.22μm, Gas: 0.01μm
SIP	135℃, 30min, 150cycles
Quality	100% integrity tested
Certificate	FDA, NSF/ANSI 61
Typical applications	Corrosive gas, Aseptic packaging, Compressed air and nitrogen gas solution, etc.



ECPT Series Pleated Filter Cartridges

ECPT Series Pleated Filter Cartridges are made with hydrophobic PTFE membrane which is with excellent chemical compatibility. Double layer membrane structure guarantees bacteria removal efficiency.

Filter cartridge specifications

Media	Double Layers Hydrophobic PTFE
Cage/Core/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.22+0.22μm
SIP	135°C, 30min, 150cycles
Quality	ISO9001:2015
Certificate	FDA, USP<88>for plastic Class VI-121℃
Typical applications	Corrosive gas, Aseptic packaging, Compressed air and nitrogen gas solution, etc.



ECPTFE Series - PTFE Pleated Filter Cartridges

ECPTFE Series Filter Cartridges are made of hydrophobic PTFE membrane, inherently hydrophobic PTFE membrane ensures the sterilizing performance in different humidity environment. The oxidation resistant PP components offer superior oxidation and high temperature resistance.

Filter cartridge specifications

Media	Hydrophobic PTFE
Cage/Core/End Cap	High temperature resistance PP
Max. operating temperature	100℃
Max. operating DP	5.2 bar@20℃, 2.4 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	Liquid: 0.22μm, Gas: 0.01μm
SIP	135℃, 30min, 150 cycles
Quality	ISO9001:2015
Certificate	FDA, USP<88>for plastic Class VI-121℃
Typical applications	Process venting, Gas purification, Compressed air, Fermentation feed air, etc.



ECP Series Hydrophilic PTFE Pleated Filter Cartridges

ECP Series Pleated Filter Cartridges feature hydrophilic PTFE membrane, which has wide chemical compatibility and has been used for various kinds of acid and alkali, and oxidative solution filtration. It is good hydrophilicity and safe to use. BDP series have passed biosafety and sterile challenge tests, and the bacteria removal is guaranteed.

Filter cartridge specifications

Media	Hydrophilic PTFE
Cage/Core/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 Bar@20℃, 2.0 Bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.22μm, 0.45μm
Sterilization	Autoclave Sterilization: 125℃, 30min, 15cycles SIP: 125℃, 30min, 15cycles
Quality	ISO9001:2015
Typical applications	Corrosive reagent filtration, Strong oxidizing liquid filtration, etc.



ECPC Series - N66 Pleated Filter Cartridges

ECPC Series Filter Cartridges are constructed of absolute rated N66 membrane that is inherently hydrophilic and has excellent chemical resistance. It is manufactured without the use of glues, adhesives or wetting agents, ensuring high purity in various application.

Filter cartridge specifications

Media	N66
Support, Core/Cage	PET, PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@25℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.22μm, 0.45μm, 0.65μm, 1.2μm
Certificate	Validated with *B. diminuta* (ATCC19146) at $10^7/cm^2$ (0.22μm), USP<88>for plastic Class VI-121℃
SIP	125℃, 30min, 30cycles
Typical application	Pharmaceutical, Food & beverage, Organic solvents and aqueous co-solvent systems, etc.



ECPVA Series - PVDF Pleated Filter Cartridges

ECPVA Series Filter Cartridges are constructed of hydrophilic PVDF membrane and PP hardware. The single open ended confi guration is designed to fit into sanitary housings to ensure effective microbial removal and assembly integrity.

Filter cartridge specifications

Media	PVDF
Cage/Core/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.1μm, 0.22μm, 0.45μm, 0.65μm
SIP	125℃, 30min, 30 cycles
Filtration area	0.65m²/10"
Certificate	Validated with *B. diminuta* (ATCC19146) at 10^7/cm² (0.22μm), USP<88>for plastic Class VI-121℃
Quality	ISO9001:2015
Typical applications	Food & Beverage, Protein purification, Cell culture clarification, Blood filtration, etc.



ECBS Series - Glass Fiber Pleated Filter Cartridges

ECBS Series Filter Pleated Cartridges are made of glass fiber. The pleated glass fiber filter cartridges are highly efficient, good for the pre-filtration of gas and vent, and can be effectively used in a variety of industrial applications.

Filter cartridge specifications

Media	Glass fiber
Cage/Core	PP
Max. operating temperature	80℃
Max. operating DP	4bar@20℃, 2.0bar@80℃
Diameter	69mm
Length	5" up to 40"
Removal rating	0.45μm, 1μm, 3μm, 5μm, 10μm, 20μm
Typical applications	Food & Beverage, Chemicals & Oil, Pre-filtration of Vent & Gas, Process Water treatment, etc.



ECTF Series - All Teflon Filter Cartridges

ECTF Series All Fluoropolymer Filter Cartridges are constructed of PTFE absolute-rated membrane, PTFE support netting, and ultra-pure PFA hardware. This presents a filter cartridge with excellent chemical compatibility corrosion resistance, and low extractions to ensure high efficiency filtration and long service life with chemicals.

Filter cartridge specifications

Media	Hydrophobic PTFE
Cage/Core/End Cap	PFA
Support layer/Seal Material	PFA/PTFE, E-FKM, F-FKM
Max. operating temperature	160℃
Max. operating DP	5.0 bar@20℃, 2.0 bar@120℃
Diameter	69mm
Length	4" up to 40"
Removal rating	30nm, 50nm, 0.1μm, 0.2μm, 0.45μm, 1μm, 5μm
Certificate	FDA, NSF/ANSI 61
SIP	135℃, 30min
Filtration area	EP: 0.32m²/69-4", HP: 0.39m²/69-4" EP: 0.9m²/69-10", HP: 1.12m²/69-10"
Typical applications	Pharmaceutical, Microelectronics, Fine chemicals, etc.

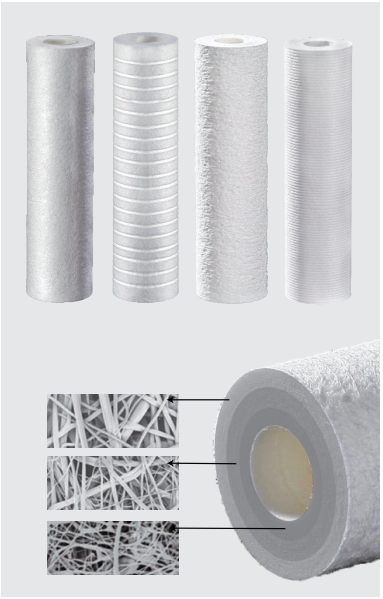


ECBHF Series - Pleated Filter Cartridges

ECHF Series Pleated Filter Cartridges are available for different type of fi lter medias and pore sizes, with high performance polypropylene depth media, glass fiber media, imported hydrophilic absolute PES membrane. This filter can replace the traditional depth big blue filters for big blue housings to improve the output and reduce the cost.

Filter cartridge specifications

Media	PP/GF/PES
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	4.0 bar@20℃, 2.0 bar@80℃
Diameter	OD: 115mm, ID: 28mm
Length	248mm, 250mm, 254mm, 508mm
Removal rating	From 0.1 to 10μm
Typical applications	Potable Water, Commercial drinking water, RO Security Filtration, etc.



PP Series - Melt Blown Filter Cartridges

PP Series Melt Blown Cartridges are fused and intertwined with polypropylene resin without any chemical glues. The cartridge features the construction of 3 layers, which is loose outside and tight inside, gradual changing structure loose outside and tight inside.

Filter cartridge specifications

Media	PP
End Cap/Core	PP
Max.operating temperature	65℃
Max.operating DP	2.0bar@20℃
Diameter	OD: 63mm, 115mm, ID: 28mm
Length	9.75" up to 40"
Removal rating	From 1to 100μm
Quality	ISO9001:2015
Typical application	Chemical, Organic solvent filtration, Food & Beverage, Microelectronics, Pharmaceutics, etc.



ECG Series - Melt Blown Filter Cartridges

ECG Series Antibacterial Melt Blown Filter Cartridges are new type of high quality filter cartridges. The cartridge can meet safer and healthier standards of filtration. With the additive silver ion of antibacterial ingredient, the filters are antibiotic which highly ensure the safety of drinking water, filtration efficiency, and dirty holding capacity.

Filter cartridge specifications

Media	PP fiber (with antibacterial ingredient)
Support/End cap	PP
Adjustable flange	PP
Max. operating temperature	65℃
Max. operating DP	2.5bar
Diameter	OD: 63mm, 115mm, ID: 28mm
Length	9.75" up to 40"
Removal rating	From 1 to 100μm
Typical application	Food & Beverage, Commercial water purification & drinking water system, etc.



ECNL Series - Nylon Melt Blown Filter Cartridges

DLNL Nylon Melt Blown Filter Cartridges are made of 100% high purity polyamide 6 fibers. The microfibers are control inflated to a support core and thermally bonded in one operation without additives.

Filter cartridge specifications

Media	Polyamide 6
Max.operating temperature	120℃
Max.operating DP	1-25μm (with inner core) 2.5 bar@25℃ 1-50μm (without inner core) 1.0 bar@25℃
Diameter	OD: 63mm, ID: 28mm
Length	9.75" up to 40"
Removal rating	From 1to 100μm
Filtration efficiency	>90%
Typical application	Pharmaceutical, Food & Beverage, Paints & Coatings, etc.



ECSW Series - String Wound Filter Cartridge

ECSW Series String Wound Filter Cartridges are manufactured of structured loose outer layers and tight inner layers.The main advantage of the string wound filter cartridge is its exceptionally high structural strength.

Filter cartridge specifications

Media	PP, Cotton, Glass fiber
Core	PP, Stainless steel
Max. operating temperatures	PP: 80℃, Cotton: 120℃, Glass fiber: 200℃
Max. operating DP	2.0 bar@25℃
Diameter	63mm,115mm
Length	9.75" up to 40"
Removal rating	From 1 to 100μm
Typical application	Photographic, Food & Beverage, Plating solutions, Petrochemicals, Pharmaceutical, Chemicals,oil, etc.



ECPA Series - Carbon Block Filter Cartridges

ECPA Series Carbon Block Filter Cartridges are predominantly microporous and the least dusty. More effective in reducing fine sediments, unwanted chlorine, taste, odor from potable drinking water than other activated carbon cartridges, and adsorb volatile organic chemicals, pesticides, herbicides, and disinfection by-products like THM, remove halogens from water and improve the clarity and taste of drinking water.

Filter cartridge specifications

Media	Acid washed coconut based activated carbon
End cap/Netting	PP/PE
Max. operating temperature	52℃
Max. operating DP	7.2bar@20℃
Max. operating pressure	10 Bar
Diameter	OD: 48.5mm, 65mm, 70mm, 115mm, ID: 16.5mm, 28mm, 30mm
Length	9.75" up to 30"
Removal rating	From 1 to 10μm
Typical application	Chemical processing, Pre or post filtration for RO systems, Food & Beverage, Water purification systems, etc.



ECT Series - Carbon Block Filter Cartridges

ECT Series Extruded Carbon Block Filter Cartridges are made of activated carbon block which is manufactured strictly according to extruded & controlled engineering processes. Carbon block cartridges are effective in removing unpleasant taste, odor, undesirable color, and chlorine in the water.

Filter cartridge specifications

Media	Coal based activated carbon
End cap/Netting	PP/PE
Max. operating temperature	52℃
Max. operating DP	7.2Bar@20℃
Max. operating pressure	10 Bar
Diameter	OD: 48.5mm, 65mm, 70mm, 115mm, ID: 16.5mm, 28mm, 30mm
Length	9.75" up to 40"
Removal rating	From 5 to 10μm
Typical application	Potable & Process water, Chemical processing, Food and beverage, Plating solutions, etc.



BEC Series - Pleated Filter Cartridges

BEC Series Pleated Filter Cartridges are washable, reusable, and durable with high dirt holding capacity, so replacement is required less. An extended life span makes the cartridge more economical.

Filter cartridge specifications

Media	Polyester, PP
Core/End cap	PP/Polyurethane, Plastisol
Max. operating temperature	37.8℃
Max. operating DP	4.0 bar@20℃
Diameter	OD: 68mm/115mm, ID: 28mm
Length	9.75", 9.87", 10", 20", 30", 40"
Removal rating	From 0.35 to 50μm
Flow Rate	Per 10" cartridge, 3~10GPM *(Depends on different removal rating)*
Typical applications	R.O. pre-filtration, Drinking water, etc.



ECH Series - Pleated Filter Cartridges

ECH Series Pleated Filter Cartridges have a big diameter of 197mm which increases filtration area, made of pleated polyester filter media, providing lower initial pressure drop, higher flow rates, and longer life. End caps, center tubes and media are thermally bonded as one integral component for added strength and to provide superior end sealing.

Filter cartridge specifications

Media	Polyester, PP
End cap	PU, Plastisol
Max. operating temperature	60℃
Max. operating DP	2.75 bar@20℃
Diameter	7-3/4" (197mm)
Length	9-5/8" (245mm), 19-1/2" (495mm), 30-3/4" (781mm)
Removal rating	From 0.35 to 50μm
Typical applications	Swimming pool & Spa, Oil & Gas, Paints, Inks & Coatings, Industrial wastewater treatment, Food & Beverage, etc.



ECL Series - String Wound Filter Cartridges

ECL Series String Wound Filter Cartridges are depth filters. The filter media is a continuous wound fiber with high-performance. All yarns are prewashed to get rid of contaminants and TOC. The length of the cartridge with a big filtration area is up to 70inch (1778mm).

Filter cartridge specifications

Media	Specially treated PP fibers with high-performance
Support	Stainless steel
Connection type	Thread
Length	50", 60", 70 "
Removal rating	1μm, 5μm
Typical application	Nuclear condensate polishing, Fossil condensate polishing



ECBSF Series - Pleated Filter Cartridges

ECBSF Series Pleated Filter Cartridges are back washable, designed especially for using in power plant condensate water. The purity polypropylene material construction ensures a most widely chemical campatibility. Large surface area and low pressure drop increase filters' life, lengthening back washable cycles.

Filter cartridge specifications

Media	PP
Support	PP
End cap type	M8 Thread, 3/8"-16 Thread
Length	60", 70 "
Removal rating	1μm, 4μm, 10μm
Typical application	Steel mill water treatment, Condensate water polishing, Power plant condensate water systems, etc.



ECMFF Series - Pleated Filter Cartridges

ECMFF Series Pleated Filter Cartridges are used for filtration of oilfield fluids. Its fully thermal welded construction ensures safe operation and optimum filtration performance. The fully thermal welded construction ensures safe usage in filtration with high temperature fluids, acids, diesel, oily water, and solvents.

Filter cartridge specifications

Media	PP, Glass Fiber
Support	PP
End cap type	DOE, 222/Flat
Length	10", 20", 30", 40"
Removal rating	From 0.45 to 10μm
Typical application	Completion fluids, Work over fluids, Waste water, Diesel, fuel & oil, Run-off water, etc.

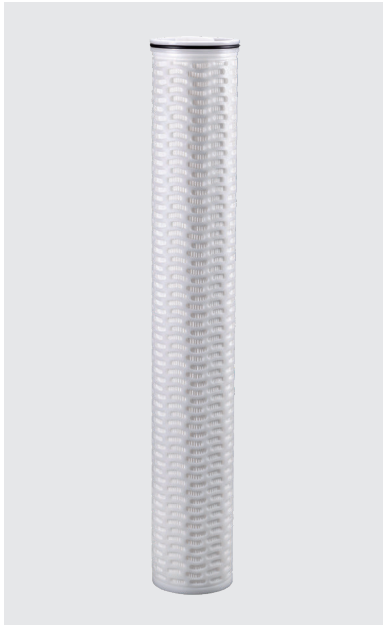


EOF Series - Pleated Filter Cartridges

EOF Series Pleated Filter Cartridges are used for filtration of oilfield fluids. The fully thermal welded construction ensures safe operation and optimum filtration performance. The fully thermal welded construction ensures safe usage in filtration with high temperature fluids, acids, diesel, oily water, and solvents.

Filter cartridge specifications

Media	PP, Glass Fiber
Support	PP
End cap type	DOE, 222/Flat
Length	10", 20", 30", 40"
Removal rating	From 0.45 to 10μm
Typical application	Completion fluids, Work over fluids, Waste water, Diesel, fuel & oil, Run-off water, etc.



HFA Series - High Flow Pleated Filter Cartridges

HFA Series High Flow Pleated Filter Cartridges have a large 6" diameter and a single open end cap design. Its inside-to-outside flow direction, combined with the handle-equipped end cap, ensures that all particles are retained within the filter cartridge while providing easy handling and replacement, significantly reducing labor costs.

Filter cartridge specifications

Media	PP, GF
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	2.4 Bar@20℃
Diameter	154mm
Length	20", 40", 60"
Removal rating	From 0.3 to 100μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical application	Food & Beverage, Sea water desalination, Oil & Chemical, Machinery & Equipment, ect.



HFM Series - High Flow Pleated Filter Cartridges

HFM Series High Flow Pleated Filter Cartridges have a 6.5'' diameter and outside-to-inside flow direction. With a filtration area exceeding 6 m² and a flow rate of up to 60 m³/h, these cartridges are equipped with a thickened polypropylene center core to withstand higher operating differential pressures.

Filter cartridge specifications

Media	PP
Cage/Core/End cap	PP
Max. operating temperature	80℃
Max. operating DP	3.0 bar@20℃
Diameter	159mm, 166mm
Length	40", 60"
Removal rating	From 0.3 to 100μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical application	Food & Beverage, Waste water, Oil & Chemical, Machinery & Equipment, ect.



MHFB Series - High Flow Pleated Filter Cartridges

MHFB Series High Flow Filter Cartridges incorporate high-performance filter media with a horizontal pleated design, delivering a larger filtration area and extended service life. The multi-layer media structure ensures high dirt-holding capacity and high filtration efficiency per cartridge. These filters feature a large outer diameter of 163.5 mm / 166 mm. The "twist-to-lock" seating mechanism ensures a positive, reliable seal.

Filter cartridge specifications

Media	PP
Cage / Core / End cap	PP
Max. operating temperature	80℃
Max. operating DP	3.0 bar@20℃
Diameter	163.5mm, 166mm
Length	40", 60"
Removal rating	From 0.5 to 100μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical application	Food & Beverage, Seawater desalination, Oil & Chemical, Machinery & Equipment, etc.



HFK Series - High Flow Pleated Filter Cartridges

HFK Series High Flow Pleated Filter Cartridges are constructed from pleated polypropylene filter media and available in a variety of sizes and connection types for different applications. The flexible outer support screen design minimizes resistance to water flow, allowing fluid to enter from the 360° side of the filter cartridge.

Filter cartridge specifications

Media	PP
Support / End cap	PP
Max. operating temperature	80℃
Max. operating DP	2.5 bar@ 20℃
Diameter	153mm
Length	40"
Removal rating	From 1 to 100μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical application	Food & Beverage, RO Pre-Filtration, Oil & Chemical, Machinery & Equipment, etc.



HFP Series - High Flow Pleated Filter Cartridges

HFP Series High Flow Pleated Filter Cartridges feature a gradient media structure and a specialized pleating process, which effectively enhance both filtration area and dirt-holding capacity. Combined with a 6.7" diameter design, this series helps reduce the number of filter cartridges required, thereby lowering overall operational costs.

Filter cartridge specifications

Media	PP
Support/End Cap	PP
Max. operating temperature	80℃
Max. operating DP	2.4 bar@ 20℃
Outer diameter	172mm
Length	40", 60"
Removal rating	From 0.5 to 70μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical applications	Food & Beverage, Seawater Desalination, Oil & Chemical, Machinery & Equipment, etc.

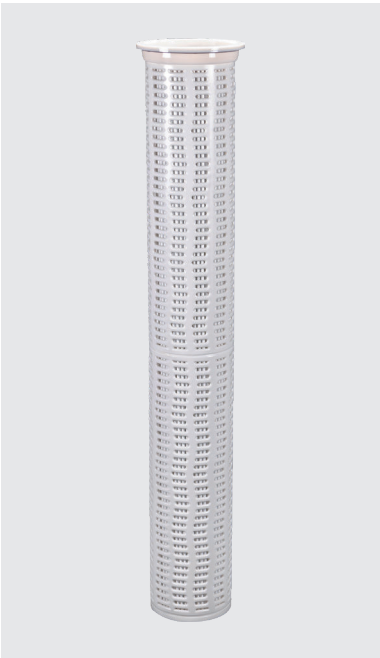


HFB Series - High Flow Pleated Filter Cartridges

HFB series 6" large-diameter filter cartridges incorporate a proprietary sealing structure for direct compatibility with most Size 1 and Size 2 bag filter housings. Featuring a multi-layer depth-pleated design, they deliver superior filtration efficiency and extended service life compared to equivalent-rated cartridges. This design eliminates the need to select between cartridge and bag filtration solutions.

Filter cartridge specifications

Media	PP
Support / End cap	PP
Adjustable flange	PP
Max. operating temperature	80℃
Max. operating DP	3.4 bar@25℃
Diameter	154mm
Length	Size1: 370mm, Size2: 634mm, Size2L: 660mm
Removal rating	From 0.5 to 100μm
Certificate	FDA, EU10/2011, NSF/ ANSI-61
Typical application	Food & Beverage, Drinking water, Machinery & Equipment, Automotive industry, etc.



THF Series - Pleated Filter Cartridges

THF Series Filter Cartridges are made of all-polyester material. All polyester construction can meet the precision filtration of benzene, methylbenzene etc liquid which include aromatic hydrocarbon solvent. Polyester material has good performance of temperature and pressure resistance, which makes the filters can allow 120℃ high temperature working for one week.

Filter cartridge specifications

Media	PBT, GF
Cage/Core/End Cap	Polyester
Support Layers	Polyester
Max. operating temperature	120℃
Max. operating DP	4.0 bar@80℃
Diameter	152mm
Length	1026mm, 1524mm, 1540mm
Filtration area	3.35m²/1026mm, 5m²/1524mm
Removal rating	From 0.5 to 20μm
Typical applications	Precision filtration of benzene, Menthylbenzene, etc.



HDC42 Filter Cartridges for Diesel Filtration

has optimized the filtration performance and separation efficiency of the HDC42 filter cartridge in applications such as biodiesel, which prolongs the service lifetime, obtains a longer working time of low-pressure difference and helps save costs for customers.

Filter cartridge specifications

Media	GF+PBT
End Cap	PBT
Support / Drainage Layer	PBT
Max. operating temperature	82℃
Max. operating DP	2.8 bar@65℃
Diameter	132.5mm
Length	42"(1110mm)
Filtration area	5.3m^2
Removal rating	5μm, 10μm, 20μm
Typical applications	B35/B20/B10 biodiesel, Ordinary diesel, Ordinary hydraulic/lubricating oils, etc.



ECPureDisc BDS Series Depth-Stack Filter Cartridges

ECPureDisc™ BDS Depth-Stack series are an ideal type of filter cartridge using depth filter sheets. It is designed to provide optimal clarification by using a double separator concept . The separator design increases the total stability of the filter cartridges as the separators fully support the sheet materials. This design also prevents filter sheet deformities after heat treatments and adverse effects of contact with hot sanitization.

Filter cartridge specifications

Depth filter sheet	Cellulose fibers, Resins, Perlite, Diatomaceous earths, etc.
Core/Support/Separator	PP
Max. operating temperature	80℃
Max. operating DP	2.0 bar@25℃, 1.0 bar@80℃
Diameter	8", 10", 12", 16"
Cells	8, 9, 12, 15, 16
Pore size	From 0.04 to 60μm
Certificate	FDA, EU10/2011, USP<88>for plastic Class VI-121℃
Typical application	Bio-pharmaceuticals, Food & Beverages, etc.



ECPureDisc Depth-stack Activated Carbon Filter Cartridges

ECPureDisc™ CDS series Depth-stack Activated Carbon Filter Cartridges are developed to satisfy adsorption applications in food & beverage, pharmaceutical, industry. By adding activated carbon, it increases the absorbability of depth filter sheets. CDS alleviate the concerns of possible carbon particle shedding downstream and solve the problems such as cleaning of process equipment and carbon removal from the process.

Filter cartridge specifications

Depth filter sheet	Carbon cellulose, Activated carbon, Resins, etc.
Core/Separator	PP
Max. operating temperature	80℃
Max. operating DP	2.0 bar@25℃, 1.0 bar@80℃
Diameter	8", 12", 16"
Cells	8, 9, 12, 15, 16
Pore size	5μm
Feature	Color and flavor correction in pharmaceutical and food & beverage industries
Certificate	FDA, EU10/2011
Typical application	Remove smell, Odor, Organic pigment, etc.



ECPureDisc™ BDS2 Series Backflushable Filter Module

ECPureDisc™ BDS2 Series Backflushable Filter Module is new products and designed for repeated backflush applications. The external diversion of the BDS2 has the function of distributing the fluid to each filter plate. The BDS2 series modules can be back-flushed either with water or product to remove contaminants and extend the life. BDS2 series module feature high filtration quality with higher capacity, reliability, operational advantages, and robustness to meet customer demands and requirements for high performance products.

Filter cartridge specifications

Depth filter sheet	Cellulose/Diatomaceous earth/Resins etc.
Core/Separator	PP
Max. operating temperature	80℃
Max. operating DP	3bar @25℃, 1bar@80℃
Diameter	12"
Cells	9,15,16
Pore size	From 0.1μm to 60μm
SIP	125℃, 30min, 3cycles
Certificate	EU/[1935/2004/EC], FDA
Typical application	Clarification of Food and Beverages, Active pharmaceutical ingredients, etc.



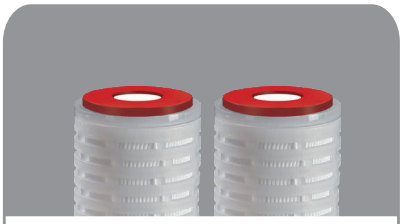
ECFB Series - Filter Bags

Filter Bags micron rartings range from 0.5 micron to 100 micron, and coupled with our wide of filter bag material choices. It applies to the removal of particles of various sizes. PP, PET needle felt bags are suitable for nominal precision filtration, while NM nylon mesh bags are suitable for filtration at lower ratings.It follows the international standard and is compatible with bag filter housings of current mainstream brands.

Filter bag specifications

Media	PP, PET, Nylon
Seal Ring	SS,PP
Max. operating temperature	PP:80℃, PET:120℃, Nylon:160℃
Max. operating DP	PP:2.0bar@20℃, 1.0bar@80℃ PET:2.0bar@20℃, 1.0bar@120℃ Nylon:2.0bar@20℃, 1.0bar@80℃
Dimension	size 1:Ø180mm x L420mm, size 2:Ø180mm x L810mm size 3:Ø105mm x L230mm, size 4:Ø102mm x L380mm size 5:Ø150mm x L520mm
Pore size	From 0.5 to 400μm
Typical applications	Chemicals, Food & beverage, Paints & Coatings, etc.

End Cap Configuration



Code F - （DOE）



Code M - （222/Flat）



Code E - （222 Extended / Fin）



Code T - （226/Flat）



Code P - （222/Fin）



Code N - （222 Extended / Flat）



Code Q - （226/Fin）



Code H - （213/Flat）



Code W - （222 Spear Fin）



Code K - （222 SS Inser/Fin）



Code R - （226 SS Inser/Fin）



Code X - （222 SS Insert / Spear Fin）



Code V - （226 SS Inser/Flat）



Code J - （222 SS Inser/Flat）



Code Y - （226 Spear Fin）



Code I - （226 PSU Inser/Flat）



Code G - （226 PSU Insert/Fin）



Code Z - （226 SS Insert / Spear Fin）

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Chemical Compatibility Table

		PP	PES	PTFE	PVDF	Nylon	Silicone rubber	Fluoro rubber	EPDM
Acid	glacial acetic acid	R	NR	R	R	NR	LR	NR	LR
	hydrochloric acid(strong)	R	R	R	R	NR	NR	R	LR
	hydrochloric acid6N	R	R	R	R	NR	NR	R	LR
	nitric acid (strong)	R	---	R	R	NR	LR	LR	NR
	nitric acid6N	R	---	R	R	NR	LR	R	NR
	phosphoric acid (strong)	R	---	R	R	LR	NR	R	NR
	sulfuric acid (strong)	R	NR	LR	R	NR	NR	R	NR
	boric acid	R	R	R	R	R	R	R	R
	hydrofluoric acid6N	NR	---	R	R	NR	NR	--	NR
Alkali	ammonium hydroxide	R	R	R	LR	R	R	R	LR
	potassium hydroxide3N	R	R	R	LR	R	LR	R	R
	sodium hydroxide3N	R	R	R	LR	R	R	R	R
	sodium hydroxide6N	R	R	R	NR	R	R	R	LR
Halocarbon	carbon tetrachloride	LR	LR	LR	LR	LR	NR	R	NR
	trichloromethane	LR	NR	LR	LR	NR	NR	R	NR
	dichloroethylene	LR	NR	LR	LR	LR	NR	LR	LR
	FreonTF	LR	LR	LR	LR	LR	NR	R	NR
	FreonTMC	LR	NR	LR	LR	LR	NR	LR	NR
	dichloromethane	LR	NR	LR	LR	NR	NR	LR	NR
	trichloro ethylene	LR	LR	LR	NR	LR	NR	R	NR
Alcohol	amyl alcohol	R	R	R	R	R	NR	R	R
	Phenylcarbinol100%	NR	NR	NR	R	NR	LR	R	R
	butanol	R	R	R	R	R	NR	R	NR
	ethyl alcohol	R	R	R	R	R	R	R	R
	isopropanol	R	R	R	R	R	R	R	R
	methyl alcohol	R	R	R	R	R	R	R	R
	athylenglykol	R	LR	R	R	R	R	R	R
	glycerinum	R	LR	R	R	R	R	R	R
	propylene glycol	R	LR	R	R	R	R	R	R
Ether	diethyl ether	LR	LR	LR	LR	NR	LR	NR	NR
	isopropyl ether	R	---	R	R	---	NR	NR	NR
	dioxane	R	---	R	R	NR	NR	NR	
	Tetrahydrofuran	LR	NR	R	LR	R	NR	NR	R
ketone	acetone	R	NR	R	R	R	NR	NR	R
	cyclohexanone	NR	NR	NR	NR	NR	NR	NR	R
	methyl ethyl ketone	R	---	R	LR	R	NR	NR	R
	MIBK	R	NR	R	R	LR	NR	NR	LR
Benzene	benzene	LR	LR	NR	NR	LR	NR	R	NR
	methylbenzene	LR	NR	LR	LR	NR	NR	R	NR
	xylene	NR	LR	LR	LR	NR	NR	R	NR
Ester	amyl acetate	LR	---	LR	R	LR	NR	NR	R
	n-butyl acetate	LR	---	LR	R	LR	NR	NR	R
	acetic ether	R	LR	R	R	LR	NR	NR	R
	methyl acetate	R	NR	R	R	R	---	NR	R
	isopropyl acetate	R	R	R	R	R	LR	NR	R
Oil	cottonseed oil	R	---	R	R	R	R	R	LR
	lubricating oil	R	NR	R	R	R	R	R	R
	peanut oil	R	---	R	R	R	R	R	LR
	sesame oil	R	NR	R	R	R	R	R	R
	turpentine	LR	LR	LR	LR	LR	NR	R	NR
Others	aniline	LR	NR	LR	R	LR	NR	R	R
	DMF	R	NR	R	NR	NR	R	NR	R
	formaldehyde37%	R	R	R	R	R	R	NR	R
	formaldehyde4%	R	R	R	R	R	R	R	R
	gasoline	LR	LR	LR	LR	LR	NR	R	R
	ethan	LR	NR	LR	LR	LR	NR	R	NR
	kerosene	R	R	R	R	R	NR	R	NR
	phenol	R	NR	R	R	R	NR		NR
	acetonitrile	R	R	R	R	LR	---	NR	R
	nickel sulfate solution	R	---	R	R	R	R	---	R

R workable NR not recommended

LR workable in certain conditions This table is for reference only, for more information please contact Darlly.