



FILTER TECHNOLOGY

RESIDENTIAL WATER FILTRATION CATALOG





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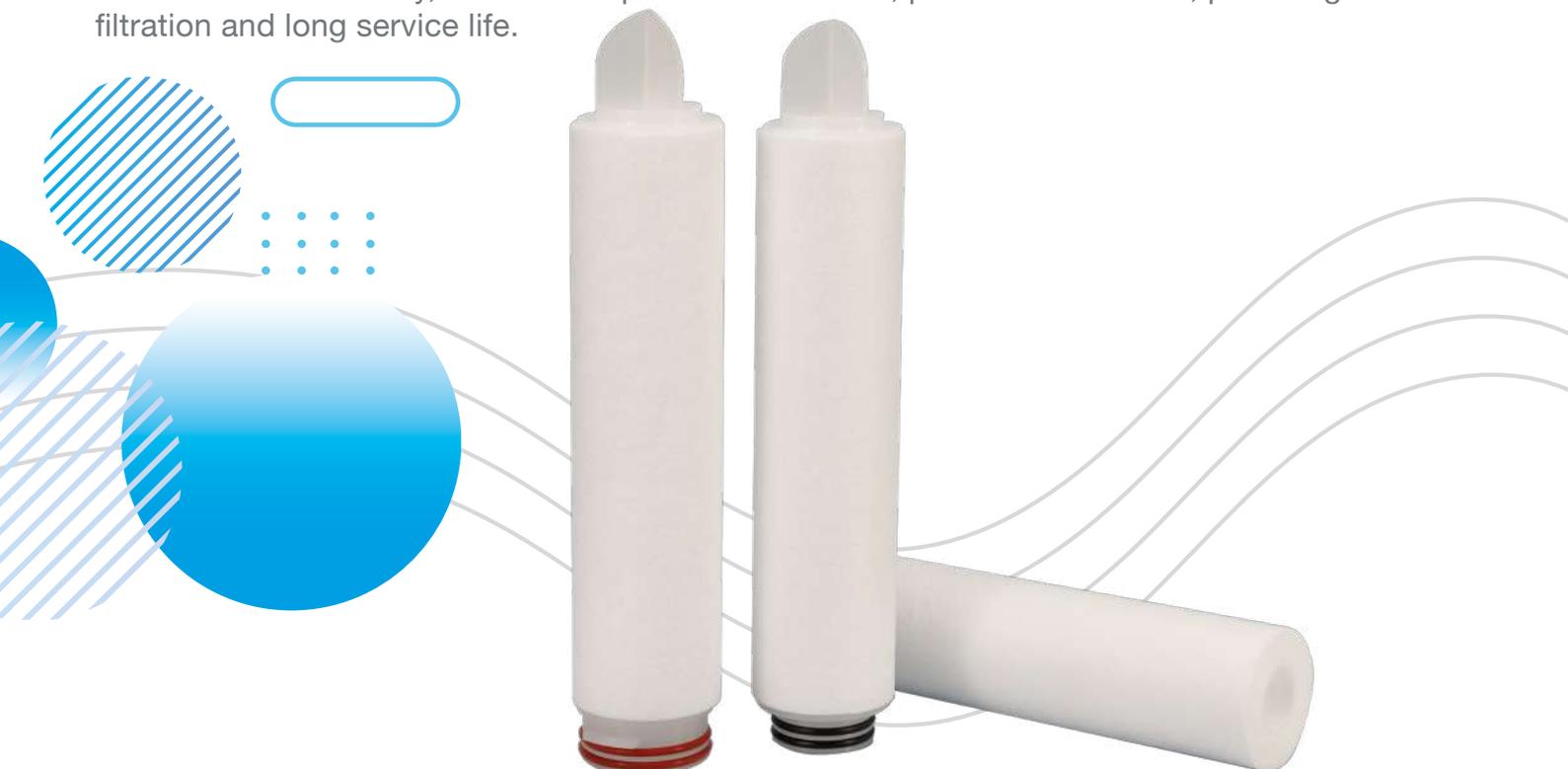
CFM Series

PP Melt Blown

CFM series PP Melt Blown PP

Melt Blown Standard Filter Cartridges

CFM series PP Melt Blown Standard Filter Cartridges are fused and intertwined with polypropylene resin without any chemical glues. The cartridge is glued at random to form 3D micro pores which will make the cartridge's 3 layers with fibers on the surface and inside. With the fiber, density from high filtration rating, strong pollutants hold capacity, low pressure drop, gradual changing structure loose outside and close inside, it can remove contaminant effectively, -such as suspended substance, particulate and rust, providing efficient filtration and long service life.



Applications

- R.O. Pre-filtration
- Food and Beverage
- Industry Water, Plating Solution
- Chemical, Organic Solvent Filtration
- Microelectronics
- Pharmaceuticals

Membrane pore size identification	Particle Removal Efficiency	
	85% efficiency	90% efficiency
1	1	----
3	3	----
5	5	----
10	----	10
25	----	25
50	----	50
75	----	75
100	----	100

Material of Constructions

- Media
- End Cap
- Sealing
- Core

PP
 PP
 Silicone, EPDM, NBR, Viton®
 PP

Dimension

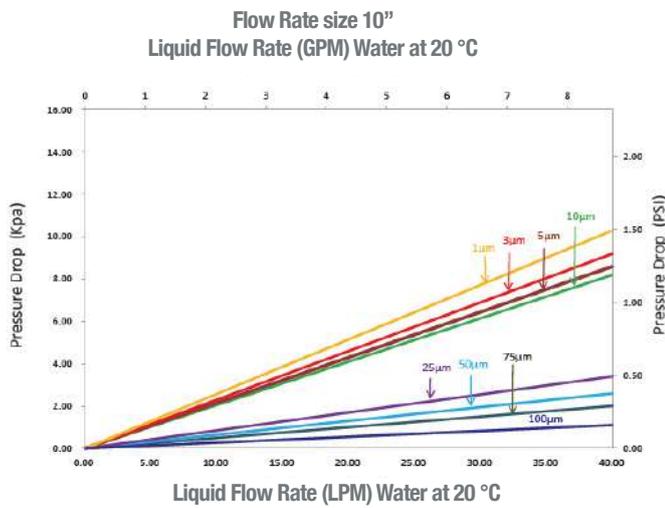
Out Diameter
 Inner Diameter
 Length

63 mm (2.5") , 115 mm (4.5")
 28 mm
 9,87", 10", 20", 30", 40"

Performance

- Max Operating Temperature
- Max Operating DP

65 °C
 2.0 bar @ 21 °C



Tested and certified by NSF international to NSF/ANSI 42 for material requirement only.

Eg. => CFMPP0100G97ZBD4X7X0

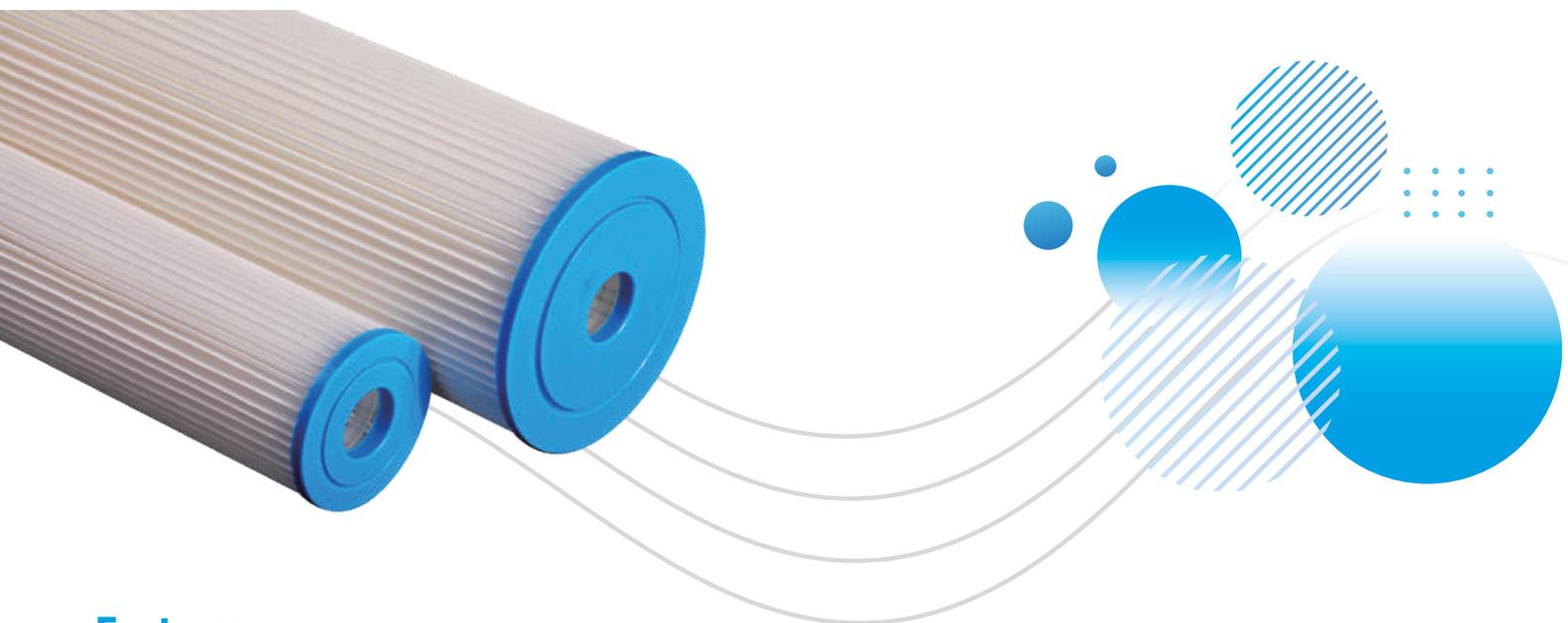
ORDERING INFORMATION																			
Product Type	Membrane type	Membrane pore size	Application	Size	Diameter	Endcap	Inner Core	Sealing Material	Connection Support	Revision									
CFM = Meltblown Cartridge	PP = Polypro,	0100 = 1µm	G = Gen Purpose	97 = 9.75"	ZB = 28/63mm	D4 = DOE no Endcap	X = No core	O = No seal mat	X = No supp	0 = Rev.0									
		0300 = 3µm		98 = 9.87"							D5 = DOE PE gasket	P = Polypro	B = NBR						
		0500 = 5µm		10 = 10"										H1 = 222/Fin	E = EPDM				
		1000 = 10µm		20 = 20"												H2 = 222/Flat	V = Viton		
		2500 = 25µm		30 = 30"														G1 = 226/Fin	
		5000 = 50µm		40 = 40"															G2 = 226/Flat
		7500 = 75µm																	
		X100 = 100µm																	

CLD Series

**Pleated
Cartridges**

CLD Series - Pleated Filter Cartridges

CLD 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..



Features

- Pleated design increases surface area and contaminant removal
- Longer filtration life for fewer change-out and less maintenance
- Low pressure drop
- Designed for general water filtration purposes

Applications

- R.O. Pre-Filtration
- Process water, Drinking water, Cooling water, Waste water, Deionized water, Plating chemicals

Material of Constructions

Media	Polyester, PP
End Cap	PU, Plastisol
Core	PP

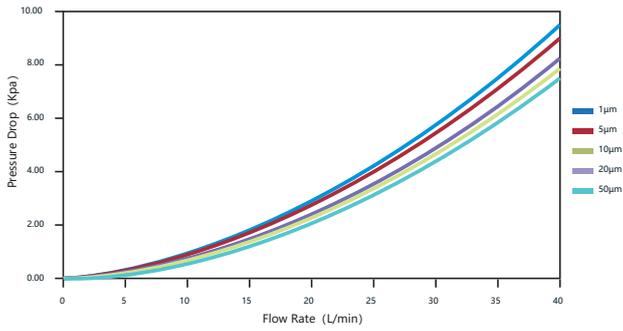
Dimension

Outer Diameter	68mm, 115mm
Inner Diameter	28mm
Length	9.75", 9.87", 10", 20", 30", 40"

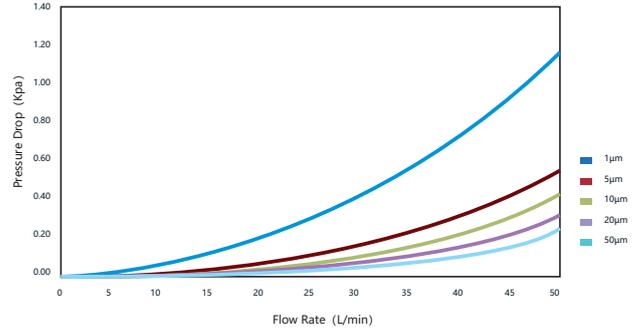
Performance

Max. Operating Temperature	37.8°C
Max. Operating DP	4.0 bar
Flow Rate per 10" Cartridge	3~10GPM, Depends on different removal rating

Pressure Drop vs Flow Rate



CLDS Filter Pressure Drop vs Flow Rate @20°C



CLDB Filter Pressure Drop vs Flow Rate @20C

Eg.=> CLDB003510B

ORDERING INFORMATION

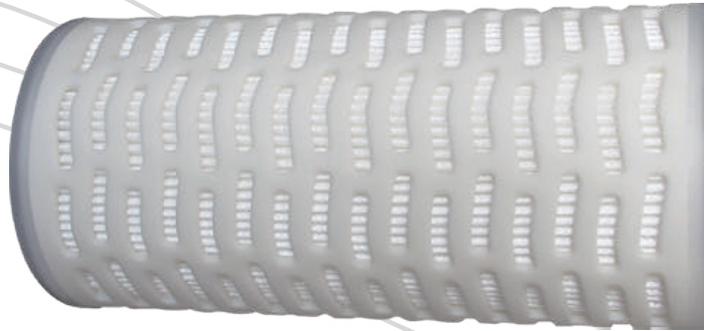
Series	Outside Diameter	Removal Rating	Length	Appearance
CLD	B = ϕ 115/ ϕ 28 S = ϕ 68/ ϕ 28	0035 = 0.35 μ m 0100 = 1 μ m 0500 = 5 μ m 1000 = 10 μ m 2000 = 20 μ m 5000 = 50 μ m	975=9.75" (248mm) 987=9.87"(250mm) 10=10"(254mm) 20 = 20"(508) 30 = 30"(762) 40 = 40"(1016)	W = Netting N = No

CBD Series

Pleated Cartridge

CBD Series Pleated Filter Cartridge

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



Features

- Broad range of applications due to wide chemical compatibility
- Available for different types of filter medias and pore sizes
- High flow rates at low pressure drops

Applications

- Drinking Water
- Water Filtration
- RO Pre-Filtration
- Deionized Water Systems

Dimension

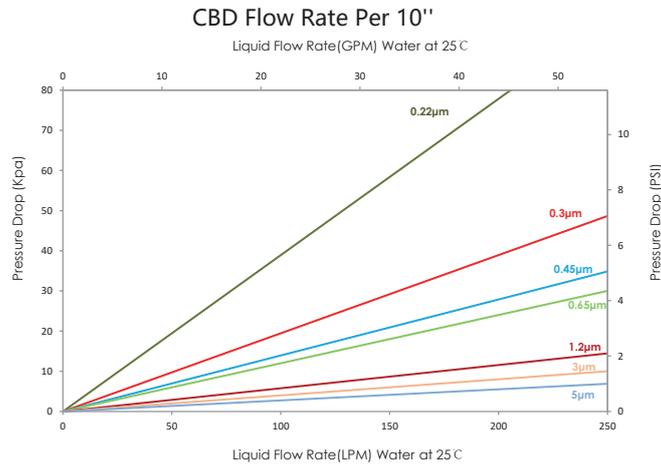
OD/ID	115mm/28mm
Length	248mm 250mm 254mm 508mm

Material of Constructions

Media	PP/GF/PES
Support	PP
Core/Cage/End Cap	PP
Seal Material	Silicone, EPDM

Performance

Max. Operating Temperature	80°C
Max. Operating DP	4.0 Bar @ 20°C , 2.4 Bar @ 80°C
Recommended Change out DP	2.2 Bar@20°C



Quality

- Filter Cartridges are manufactured in a clean room environment
- Manufactured according to ISO9001:2015 certified Quality Management System

Eg.=> **CBD115GA0022F10SP**

ORDERING INFORMATION

Series	Media			End Cap	Length	Seal Material	Core
CBD115G	A = PES	G = PP	S = GF	F = DOE	975 = 9.75"	S = Silicone	P = PP
CBD115S	A0010 = 0.1µm	G0010 = 0.1µm	S0045 = 0.45µm		987 = 9.87"	E = EPDM	
CBD115A	A0022 = 0.22µm	G0022 = 0.22µm	S0100 = 1µm		10 = 10"		
	A0045 = 0.45µm	G0045 = 0.45µm	S0300 = 3µm		20 = 20"		
	A0065 = 0.65µm	G0100 = 1µm	S0500 = 5µm				
	A0120 = 1.2µm	G0300 = 3µm	S1000 = 10µm				
		G0500 = 5µm					
		G1000 = 10µm					
		G2000 = 20µm					
		G5000 = 50µm					

CPD Series

Carbon Block Filter Cartridges

CPD Series-Carbon Block Filter Cartridges

CPD Series are acid washed coconut based activated carbon block filter cartridges. They are predominantly microporous and the least dusty. So they are very efficient at organic chemical adsorption and more effective in reducing fine sediments, unwanted chlorine, taste, odor from potable drinking water than other activated carbon cartridges. Further advantages of the coconut-shell based activated carbon are as followings: 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. They are made from a high performance coconut-carbon formulation that yields a cartridge with high chlorine taste & odor reduction capacity. CPD Series is an ideal choice for a wide range of applications: residential, food beverage, reverse osmosis system etc.



Features

- Excellent adsorption capacity with high porosity and large surface area
- Generate fresh water by reducing and removing odor, undesirable color, unpleasant taste, chlorine and heavy metals
- No pollution from product itself to ensure safe filtration
- Available in a variety of sizes
- 100% coconut shell carbon

Applications

- Potable & Process Water
- Food and Beverage
- Plating Solutions
- Chemical Processing
- Pre or Post Filtration for RO Systems
- Water purification Systems

Dimension

Outer Diameter	48.5mm, 65mm, 70mm, 115mm
Inner Diameter	16.5mm, 28mm, 30mm
Length	9.75", 9.87", 10", 20", 30", 40"

Material of Constructions

Media	Acid washed coconut based activated carbon
End cap	PP
Gasket	EPDM
Netting	PE

Performance

Max. Operating Temperature 52°C
 Max. Operating DP 7.2Bar@20°C
 Max. Operating Pressure 10 Bar

[Eq.=> CPDB005010](#)

ORDERING INFORMATION			
Series	Outside Diameter/Inner Diameter	Removal Rating	Length
CPD	B=φ115mm/φ28mm	0100=1μm	975=9.75" (248mm)
	F=φ48.5mm/φ16.5mm	0500=5μm	987=9.87" (250mm)
	G=φ65mm/φ30mm	1000=10μm	10=10" (254mm)
	H=φ70mm/φ28mm		20=20" (508mm) 30=30" (762mm)



CCD Series

**Pleated Filter
Cartridges**

CCD Series - Pleated Filter Cartridges

CCD 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. The center core, end cap, and filter media are poured as one unit, which provides additional strength and a positive seal. The long service life and high flow rate result in low investment and less labor cost in many applications.



Features

- Available in three sizes for all your high flow requirements: 40, 90 and 170 Series
- Cartridges are cleanable and reusable
- Pleated design provides large filtration area
- High flow rate, low pressure drop, long service life

Applications

- Swimming pool & Spa
- Pre-filtration of RO
- Potable drinking water
- Cooling tower filtration
- Desalination prefiltration
- Food & Beverage
- Industrial wastewater treatment
- Oil & Gas
- Paints, Inks & Coatings
- Paper & Pulp
- Process water

Dimension

Outer Diameter	7-3/4" (197mm)
Length	9-5/8" (245mm)
	19-1/2" (495mm)
	30-3/4" (781mm)

Material of Constructions

- Media: Polyester PU,
- Endcap: Plastisol

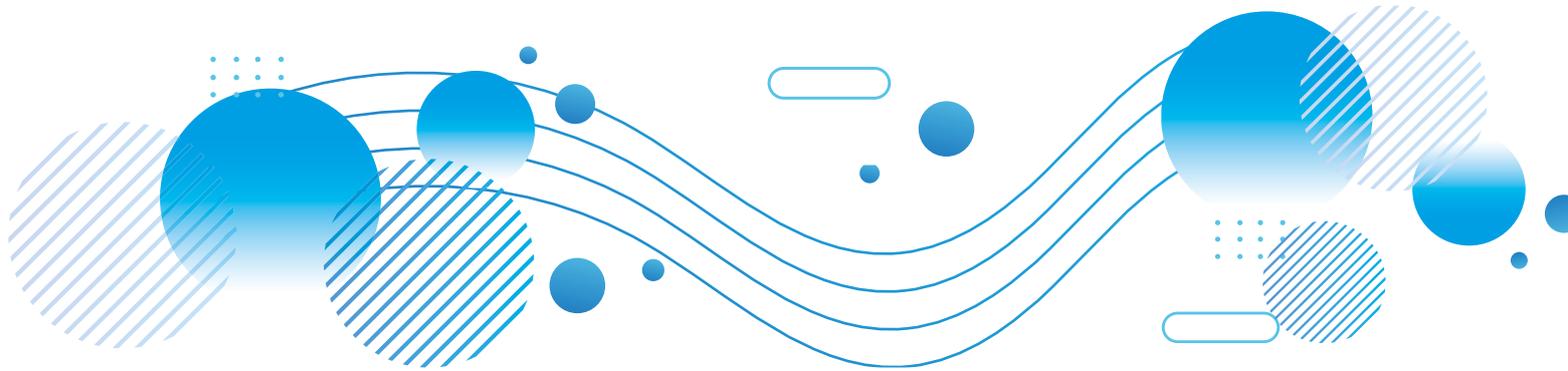
Performance

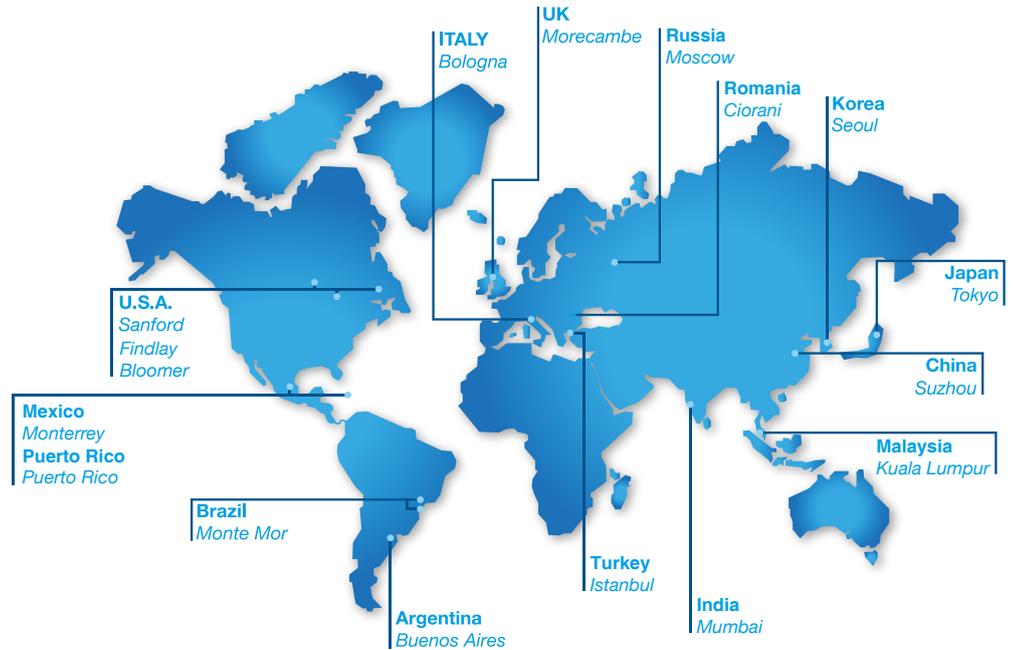
- Max Operating Temperature
- Max Operating DP

60 °C
40PSI

Eg.=> CCD003540

ORDERING INFORMATION		
Series	Removal Rating	Length
CCD	0035 = 0.35µm	40 = 9-5/8" (245mm)
	0100 = 1µm	90 = 19-1/2" (495mm)
	0500 = 5µm	170 = 30-3/4" (781mm)
	1000 = 10µm	
	2000 = 20µm	
	5000 = 50µm	





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PRODUCT COLLECTION - High flow filter

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