



FILTER TECHNOLOGY

RESIDENTIAL WATER FILTRATION CATALOG





INDEX

	Pag.
CFM series	1-3
CLD Series	4-6
CBD Series	7-9
CPD Series	10-12
CCD Series	13-15



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 pore 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

Particle Removal Efficiency		
Membrane pore size identification	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")

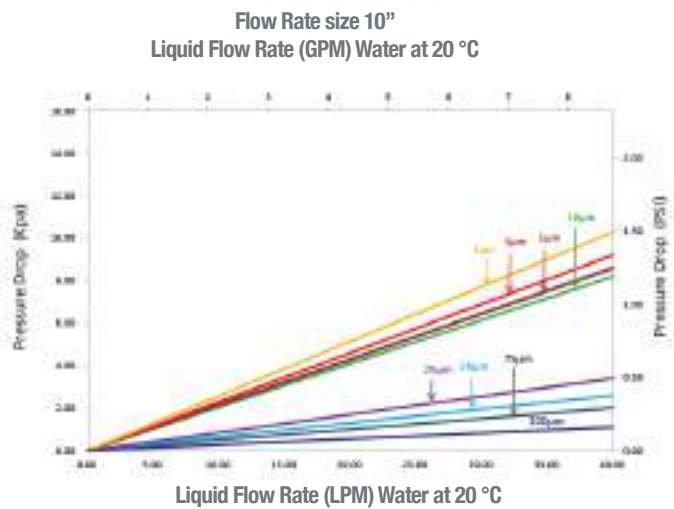
28 mm

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

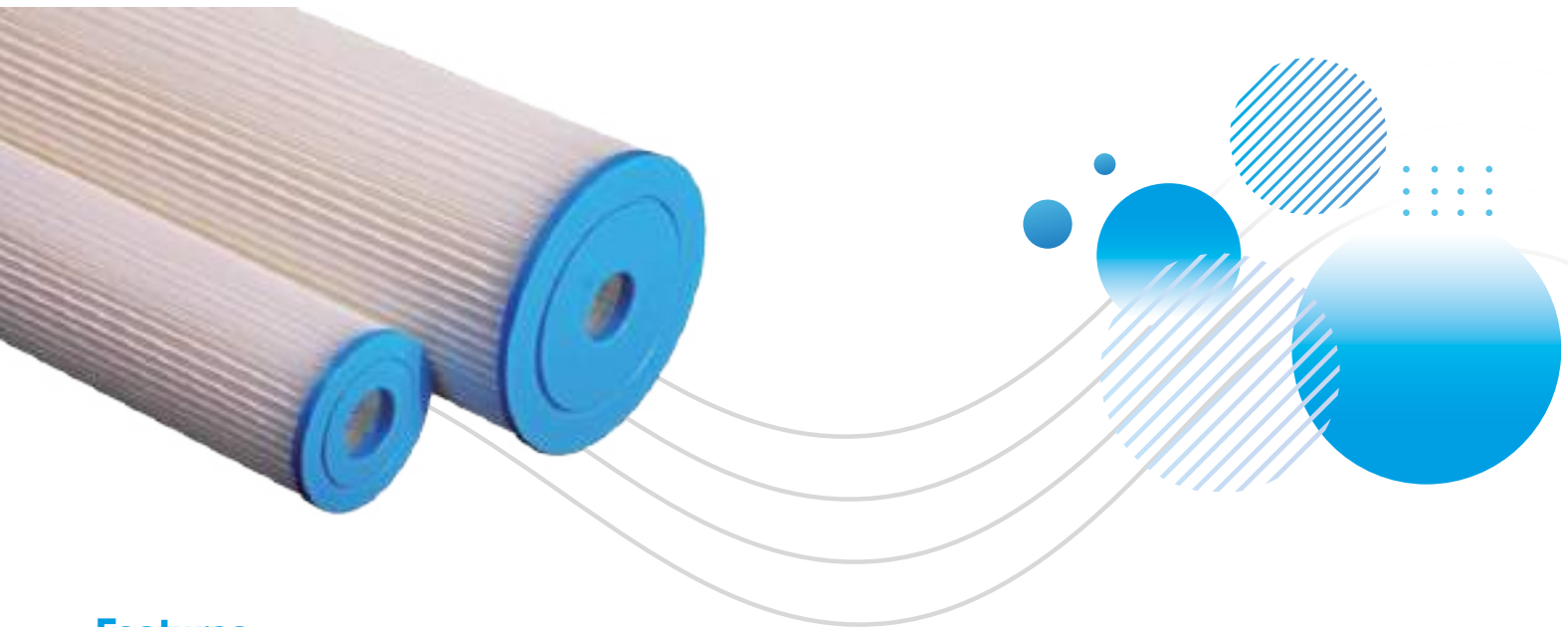
ORDERING INFORMATION										
Product Type	Membrane type	Membrane pore size	Application	Size	Diameter	Endcap	Inner Core	Sealing Material	Connection Support	Revision
CFM = Meltblown Cartridge	PP = Polypro,	0100 = 1µm	G =Gen Purpose	97 = 9.75"	ZB = 28/63mm	D4 = DOE no Endcap	X = No core	O = No seal mat	X= No supp	0 = Rev.0
		0300 = 3µm		98 = 9.87"	ZD = 28/115mm	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

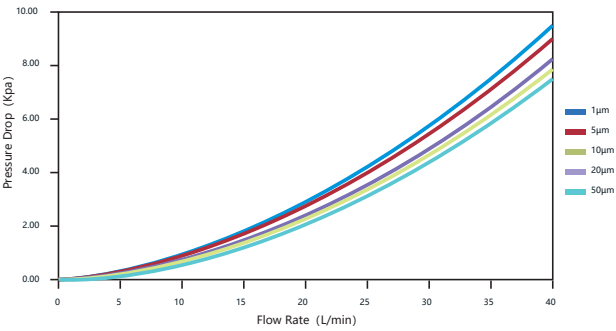
Dimension

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

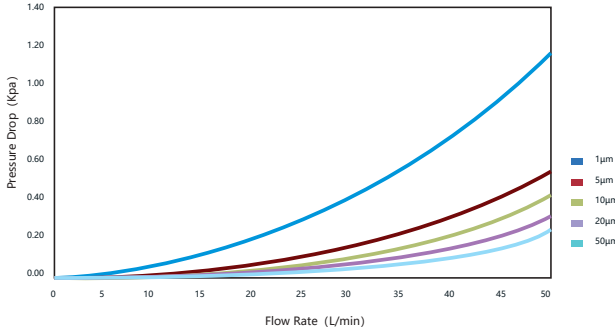
Performance

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 @20°C

Eg.=> CLDB003510B

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

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

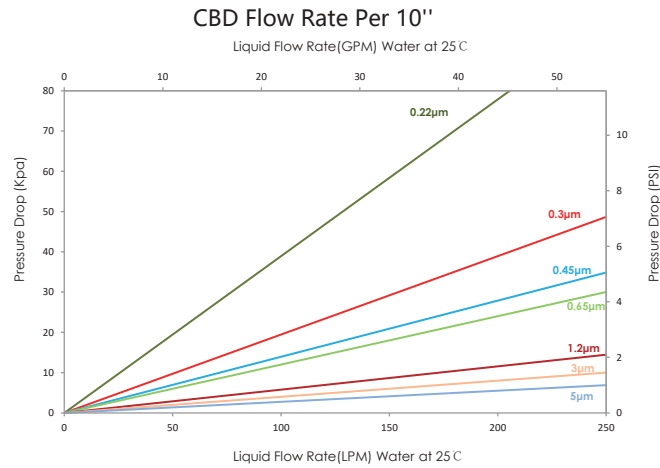
OD/ID	115mm/28mm
Length	248mm 250mm 254mm 508mm

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

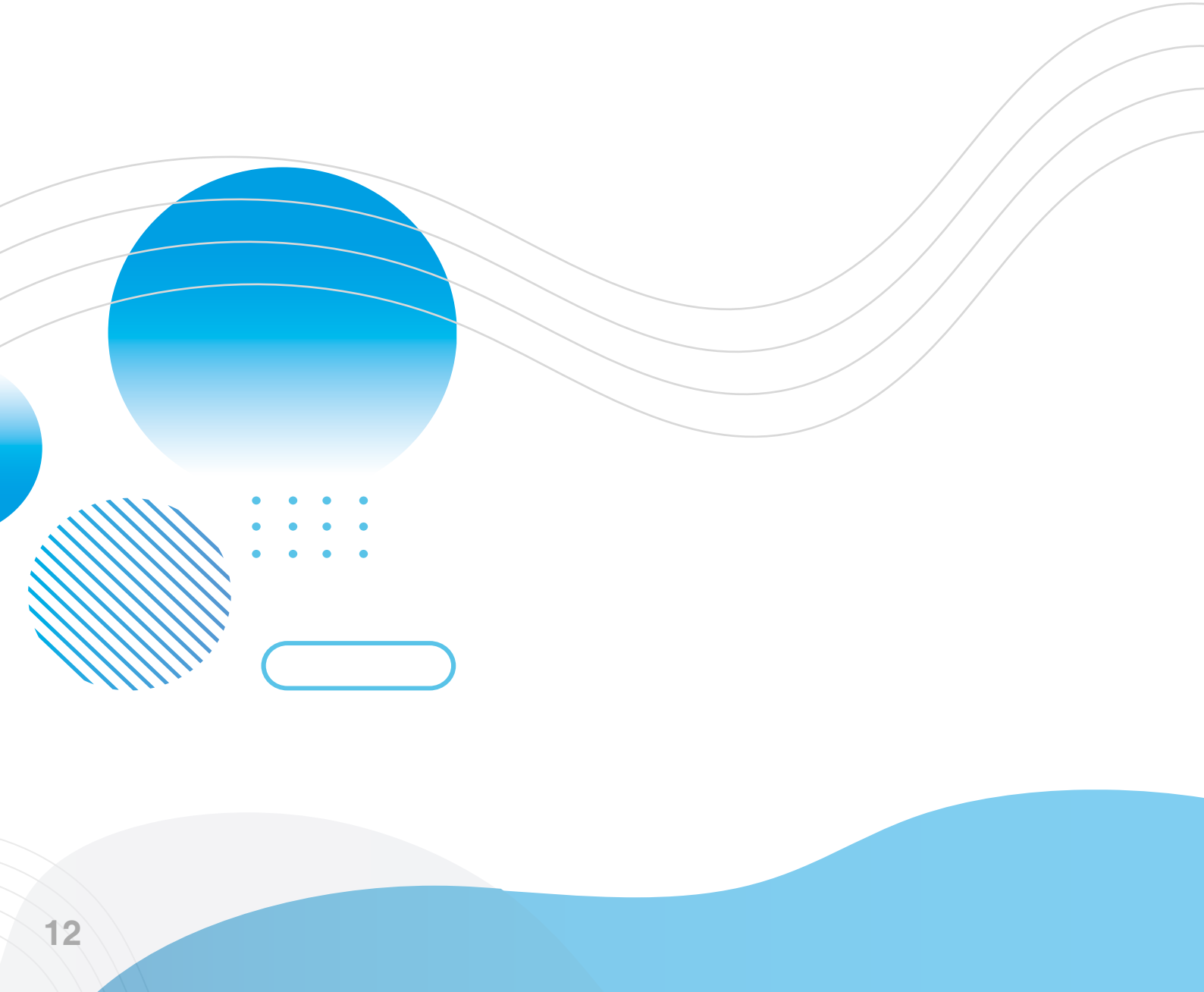
Media	Acid washed coconut based activated carbon
End cap	PP
Gasket	EPDM
Netting	PE

Performance

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

Eg.=> 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

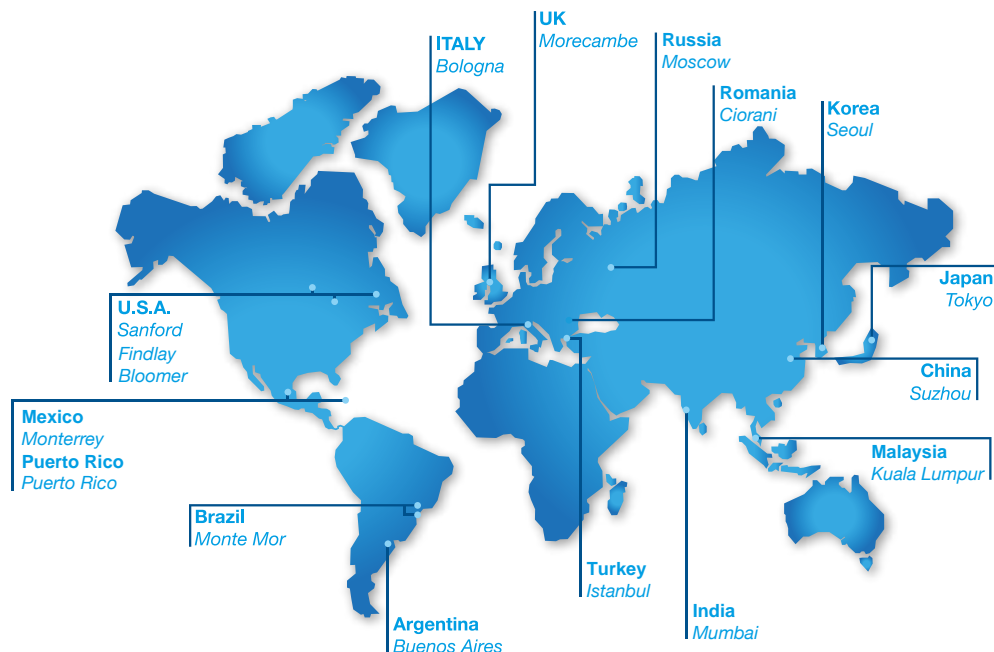
- Max Operating Temperature
 - Max Operating DP
- 60 °C

40PSI

Eq.=> 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	





WORLDWIDE

EUROPE

Italy Office
Headquarters
GVS S.p.A.
Via Roma 50
40069 Zola Predosa (BO) - Italy
Tel. +39 051 6176311
gvs@gvs.com

Russia
GVS Russia LLC.
Profsoyuznaya Street, 25-A, office 102
117418, Moscow
Russian Federation (Russia)
Tel. +7 495 0045077
gvsrussia@gvs.com

United Kingdom
GVS Filter Technology UK
Vickers Industrial Estate
Mellishaw Lane, Morecambe
Lancashire LA3 3EN
Tel. +44 (0) 1524 847600
gvsuk@gvs.com

Romania
GVS Microfiltrazione srl
Sat Ciorani de Sus 1E - Comuna Ciorani
Prahova România
Tel. (+40) 244 463044
gvsro@gvs.com

Turkey
GVS Türkiye
Nidakule Merdivenköy Mahallesi
Bora Sokak No:1 Kat:7 - 34732 Istanbul
Tel. +90 216 504 47 67
gvsurkey@gvs.com

ASIA

China
GVS Technology (Suzhou) Co., Ltd.
Fengqiao Civil-Run Sci-Tech Park,
602 Changjiang Road, S.N.D.
Suzhou, China 215129
Tel. +86 512 6661 9880
gvschina@gvs.com

GVS YIBO Medical Devices Co. Ltd.
17, Zhongshan East - Yuyao city,
315403 Zhejiang Province, China
Tel. +86 574 6257 5697

Japan
GVS Japan K.K.
KKD Building 4F, 7-10-12 Nishishinjuku
Shinjuku-ku, Tokyo 160-0023 Japan
Tel. +81 3 5937 1447
gvsjapan@gvs.com

Korea
GVS Korea Ltd
#315 Bricks Tower
368 Gyungchun-ro(Gaun-dong),
Namyangju-si, Gyunggi-do,
Tel: +82 31 563 9873
gvsukorea@gvs.com

India
GVS Filter India Pvt Ltd
Unit No 35 & 36 on First Floor
Ratna Jyot Industrial Premises Irla Lane,
Irla Vile Parle, Mumbai 400056, India

Malaysia
GVS Filtration Sdn.Bhd
Lot No 10F-2B, 10th Floor, Tower 5 @ PFCC
Jalan Puteri 1/2, Bandar Puteri
47100 Puchong, Selangor, Malaysia

AMERICA

U.S.A.
GVS North America
63 Community Drive
Sanford, ME 04073 - USA
Tel. +1 866 7361250
gvsusa@gvs.com

GVS Filtration Inc.
2150 Industrial Drive
Findlay, OH. 45840 - USA
Tel. +1.419.423.9040
gvsfiltration@gvs.com

2200 W 20th Avenue
Bloomer, WI 54724 - USA
Tel. +1.715.568.5944
gvsfiltration@gvs.com

Puerto Rico
GVS Puerto Rico, LLC
98 Carr 194 - Fajardo,
Puerto Rico, 00738-2988, USA
Tel. +1.787.355.4100
gvspuertorico@gvs.com

México
GVS Filter Technology de Mexico
Universal No. 550, Vynmsa Aeropuerto Apodaca
Industrial Park, Ciudad Apodaca, Nuevo León,
C.P. 66626 - México
Tel. +52 81 2282 9003
gvmex@gvs.com

Argentina
GVS Argentina S.A.
Francisco Acuña de Figueroa 719 Piso:11 Of: 57
1416 Buenos Aires - Argentina
Tel. +54 11 48614750
gvsarg@gvs.com

Brazil
GVS do Brasil Ltda.
Rodovia Conego Cyriaco Scaranello Pires 251
Jardim Chapadão, CEP 13193-580
Monte Mor (SP) - Brasil
Tel. +55 19 38797200
gvs@gvs.com.br

PRODUCT COLLECTION - High flow filter

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