

# Pleated Cartridge Filter

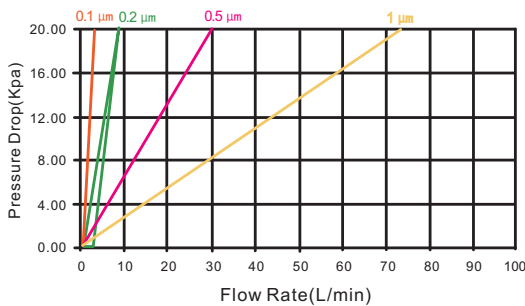


## Introduction

*Nylon66 Series filter cartridge* is constructed of nylon6 media and nonwoven support materials. The adaptors are thermally welded without the use of glues or adhesive to prevent any possibility of pollution. The filters are produced in clean room and 100% integrity tested and flushed with ultrapure water.

## Application:

- ▶ Coatings.
- ▶ Plating.
- ▶ Machinery & Equipment.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Nylon 66 [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPNY01N10SP

Removal Rating	End cap type	Length	Seal Material	Core
01=0.1µm	F=DOE	10=10"	S=Silicone	P=PP core
022=0.22µm	H=213/Flat	20=20"	E=EPDM	S=SS core
045=0.45µm	J=222/Flat/ss	30=30"	B=NBR	
1=1µm	K=222/Fin/ss	40=40"	V=Viton	
	M=222/Flat		T=Teflon	
	P=222/Fin		F=E-FKM	
	Q=226/Fin			
	T=226/Flat			
	R=226/Flat/ss			
	V=226/Flat/ss			

Industrial Product

# Pleated Cartridge Filter



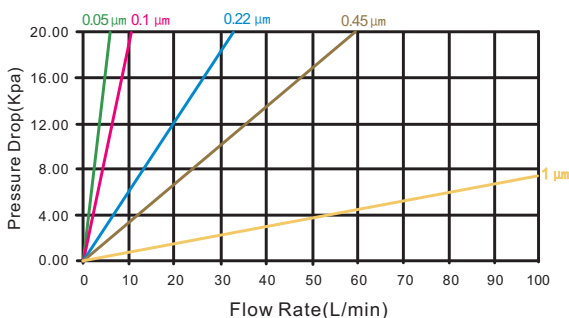
PTFE

## Introduction

*Hydrophobic PTFE Series Filter Cartridge* is constructed of hydrophobic PTFE membrane which has excellent chemical compatibility and corrosion resistance. This filter cartridge is suitable for the filtration of liquids and gases with strongly aggressive and oxidative.

## Application:

- ▶ Coatings.
- ▶ Plating.
- ▶ Machinery & Equipment.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Hydrophobic PTFE Membrane [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPPTB01N10SP

Removal Rating	End cap type	Length	Seal Material	Core
005=0.05μm	F=DOE	10=10"	S=Silicone	P=PP core
01=0.1μm	H=213/Flat	20=20"	E=EPDM	S=SS core
022=0.22μm	J=222/Flat/ss	30=30"	B=NBR	
045=0.45μm	K=222/Fin/ss	40=40"	V=Viton	
1=1μm	M=222/Flat		T=Teflon	
	P=222/Fin		F=E-FKM	
	Q=226/Fin			
	T=226/Flat			
	R=226/Flat/ss			
	V=226/Flat/ss			

Industrial Product

# Pleated Cartridge Filter



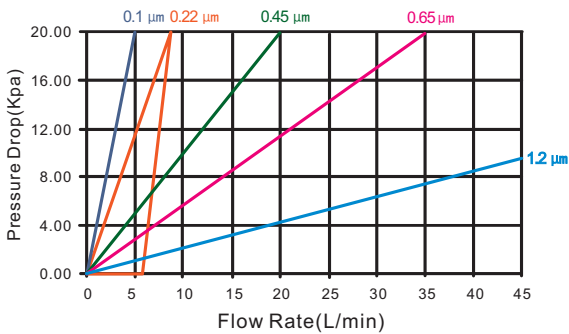
Hydrophilic PVDF

## Introduction

*Hydrophilic PVDF Series Filter Cartridge* is constructed of hydrophilic PVDF microporous membrane with excellent resistance to high temperature and corrosion resistance, no fibre shedding. Filter media has good hydrophilicity, no need to do pre wetting treatment before filtering water solutions.

## Application:

- ▶ Oil & Chemical.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Hydrophilic PVDF Membrane [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPPVL01F10SP

Removal Rating	End cap type	Length	Seal Material	Core
01=0.1µm	F=DOE	10=10"	S=Silicone	P=PP core
022=0.22µm	H=213/Flat	20=20"	E=EPDM	S=SS core
045=0.45µm	J=222/Flat/ss	30=30"	B=NBR	
065=0.65µm	K=222/Fin/ss	40=40"	V=Viton	
08=0.8µm	M=222/Flat		T=Teflon	
12=1.2µm	P=222/Fin		F=E-FKM	
	Q=226/Fin			
	T=226/Flat			
	R=226/Flat/ss			
	V=226/Flat/ss			

Industrial Product

# Pleated Cartridge Filter



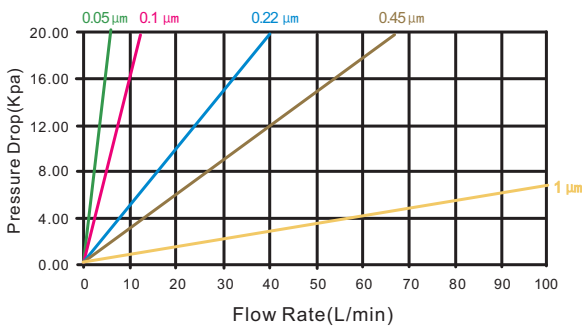
## Introduction

*Hydrophilic PTFE Series filter cartridge* is constructed of hydrophilic PTFE membrane which has excellent chemical compatibility and corrosion resistance. The membrane is hydrophilic which can filter the liquid directly without pre-wetting to save the operation time.

## Application:

- ▶ Plating.
- ▶ Machinery & Equipment.

## Product specification



<b>Dimension</b>	[ OD ]: Φ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Hydrophilic PTFE membrane [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPPTL01N10SP

Removal Rating	End cap type	Length	Seal Material	Core
005=0.05μm	F=DOE	05=5"	S=Silicone	P=PP core
01=0.1μm	H=213/Flat	10=10"	E=EPDM	S=SS core
022=0.22μm	J=222/Flat/ss	20=20"	V=Viton	
045=0.45μm	K=222/Fin/ss	30=30"		
1.2=1.2μm	M=222/Flat	40=40"		
	P=222/Fin			
	Q=226/Fin			
	T=226/Flat			
	R=226/Flat/ss			
	V=226/Flat/ss			

Industrial  
Product

# Pleated Cartridge Filter

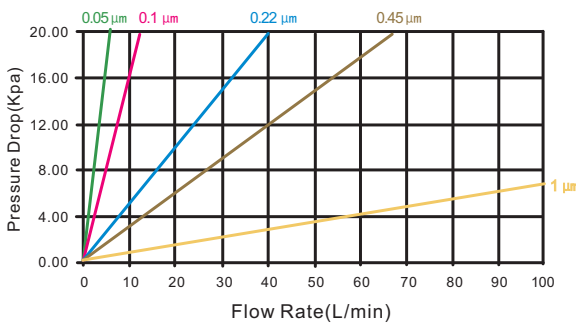


## Introduction

*PFA Series 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.

## Application:

- ▶ Machinery & Equipment.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ ID ]: 28mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Hydrophobic/ Hydrophilic PTFE membrane [ Support Netting ]: PTFE [ Cage/Core/End cap ]: PFA [ Sealing ]: Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 170°C [ Max. Operating DP ]: 4 bar@ 21°C

## Ordering Information

Removal Rating	End cap type	Length	Seal Material
01=0.1µm 022=0.22µm 045=0.45µm 1=1µm	M=222/Flat	10=10" 20=20" 30=30" 40=40"	V=Viton T=Teflon F=E-FKM

CPPFA01M10V

# Pleated Cartridge Filter

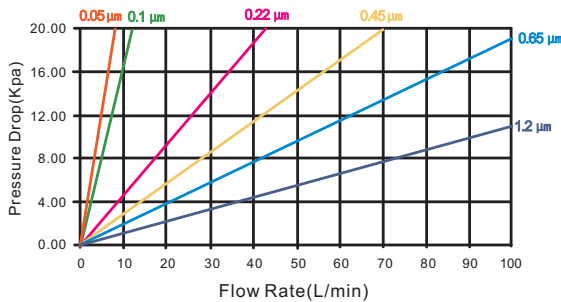


## Introduction

*PES Series cartridge filter* is constructed of imported hydrophilic asymmetric PES membrane and imported non-woven fabrics and silk netting as support and then pleated. The cage, PP core and end cap are thermally welded with media without using any glue. All cartridges are manufactured and assembled in a clean room environment. 100% of the cartridges are integrity tested and flushed with EDI pure water. It is suitable for filtering weak acid/alkali based liquid and ultra pure water.

## Application:

- ▶ Mining.
- ▶ Machinery & Equipment.
- ▶ Industrial Water Treatment.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: PES [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPPES01F10SP

Removal Rating	End cap type	Length	Seal Material	Core
005=0.05µm	F=DOE	10=10"	S=Silicone	P=PP core
01=0.1µm	H=213/Flat	20=20"	E=EPDM	S=SS core
022=0.22µm	J=222/Flat/ss	30=30"	B=NBR	
045=0.45µm	K=222/Fin/ss	40=40"	V=Viton	
065=0.65µm	M=222/Flat		T=Teflon	
12=1.2µm	P=222/Fin		F=E-FKM	
	Q=226/Fin			
	T=226/Flat			
	R=226/Flat/ss			
	V=226/Flat/ss			

Industrial  
Product

# Pleated Cartridge Filter

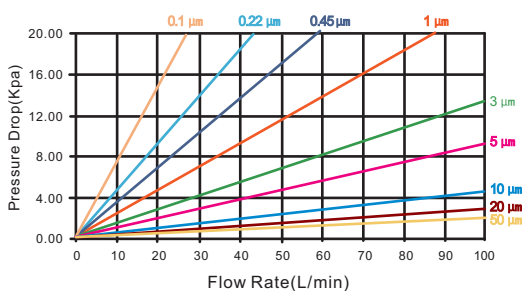


## Introduction

*PP pleated filter cartridge* is constructed of high performance polypropylene filter media that got technological breakthrough type sub-micro level. The pores of the material are uniformly distributed. The construction is designed scientifically which makes the filter cartridge got high flow rate. This allows users can filter the particles in liquid quickly and efficiently and save the cost.

## Application:

- ▶ Coatings.
- ▶ Ink.
- ▶ Oil & Chemical.
- ▶ Plating.
- ▶ Machinery & Equipment.
- ▶ Industrial Water Treatment.



## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: PP [ Support ]: PP [ Cage/Core/End cap ]: PP [ Sealing ]: Silicone, EPDM, NBR, Viton, Teflon, E-FKM
<b>Performance</b>	[ Max. Operating temperature ]: 80°C [ Max. Operating DP ]: 4 bar@ 21°C 2.4 bar@ 80°C

## Ordering Information

CPPP01F10SP

Removal Rating	End cap type	Length	Seal Material	Core
01=0.1μm	F=DOE	10=10"	S=Silicone	P=PP core
022=0.22μm	H=213/Flat	20=20"	E=EPDM	S=SS core
045=0.45μm	J=222/Flat/ss	30=30"	B=NBR	
1=1μm	K=222/Fin/ss	40=40"	V=Viton	
3=3μm	M222/Flat		T=Teflon	
5=5μm	P=222/Fin		F=E-FKM	
10=10μm	Q=226/Fin			
20=20μm	T=226/Flat			
50=50μm	R=226/Flat/ss			
	V=226/Flat/ss			

# Pleated Cartridge Filter



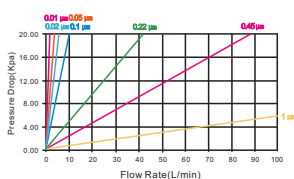
## Introduction

*Big pleated filter cartridge* is designed for the filtration of manufacture wetting process in the flat panel display. It has larger filtration area and higher flow rate. 83 series can meet the 5-6 grade line which has requirement of 120 L/Min flow rate, 131 series can meet the 7-10 grade line which has requirement of 250 L/Min flow rate.

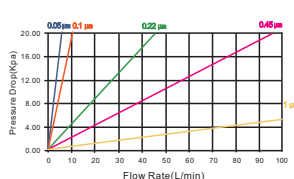
## Product specification

<b>Dimension</b>	[ OD ] : $\Phi$ 83mm, 131mm [ Length ] : 10"
<b>Material Of Constructions</b>	[ Media ] : PP, PES, Hydrophobic PTFE, Hydrophilic PTFE [ Support ] : PP [ Cage/Core/End cap ] : PP [ Sealing ] : EPDM, Viton, E-FKM
<b>Performance</b>	[ Max. Operating temperature ] : 80°C [ Max. Operating DP ] : 4 bar@ 21°C 2.4 bar@ 80°C

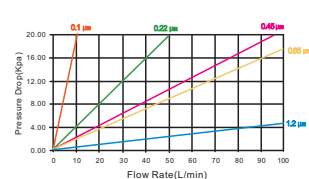
### $\Phi$ 83mm



Hydrophobic PTFE

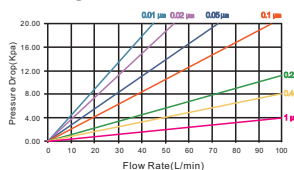


Hydrophilic PTFE

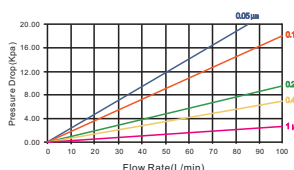


PES

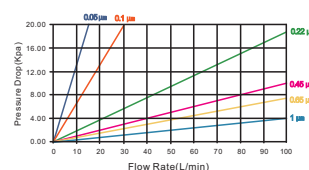
### $\Phi$ 131mm



Hydrophobic PTFE



Hydrophilic PTFE



PES

## Ordering Information

CP8G01M10E  
CP13G01M10E

Size	Media	Removal Rating			
		PES	PP	Hydrophobic PTFE	Hydrophilic PTFE
8	G=PP A=PES	005=0.05μm	01=0.1μm	001=0.01μm	005=0.05μm
13	T=Hydrophobic PTFE T=Hydrophilic PTFE	01=0.1μm	022=0.22μm	002=0.02μm	01=0.1μm
		022=0.22μm	045=0.45μm	005=0.05μm	022=0.22μm
		045=0.45μm	1=1μm	01=0.1μm	045=0.45μm
		065=0.65μm	3=3μm	022=0.22μm	1=1μm
		12=1.2μm	5=5μm	045=0.45μm	
			10=10μm 20=20μm 50=50μm		
<b>End cap type</b>	<b>Length</b>	<b>Seal Material</b>			
M=222/Flat T=226/Flat	10=10"	E=EPDM V=Viton F=E-FKM			

Industrial Product



# Meltblow Cartridge Filter



## Introduction

*PP Melt Blown Filter Cartridges* is Microlab standard series of melt blown filter cartridges. It features fused and intertwined polypropylene fiber without the use of chemicals or glue. The fibers are bonded randomly to form 3-D microporosity in three zones. There are fine fibers for efficient particle removal and coarse fibers for strength of the structure. Changing fiber size and density creates the needed filtration rating. With lower density on the outer surface and tighter pores when moving to the inside, it can remove contaminant effectively, such as suspended substances, particulates and rust, providing efficient filtration and long service life.

## Roduct Characteristics

- ▶ Three-zone structure cartridge offers high dirt holding capacity and longer service life.
- ▶ Formed by thermal bond without using binders or adhesives.
- ▶ 100% pure polypropylene will not contaminate the treated liquid.
- ▶ Wide chemical compatibility.
- ▶ All common adaptors are available.
- ▶ FDA compliant material.

## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm, 115mm [ ID ]: $\Phi$ 28mm, 30mm [ Length ]: 10", 20", 30", 40", 50", 60"
<b>Material Of Constructions</b>	[ Media ]: Polypropylene(PP) [ End cap ]: Polypropylene(PP) [ Gasket ]: Silicone, EPDM, NBR, Viton [ Core ]: Polypropylene(PP)
<b>Performance</b>	[ Max. Operating temperature ]: 65°C [ Max. Operating DP ]: 2.0Bar@21°C

## Ordering Information

CMPP01F10SN

CMPPB1F10SN

Outer Diameter	Removal Rating	End Cap Type	Length	Seal Material	Core
O=63mm	1=1 $\mu$ m	F=DOE	10=10"(254mm)	S=Silicone	N=No core
B=115mm	3=3 $\mu$ m	M=222/Flat	20=20"(508mm)	E=EPDM	P=PP core
	5=5 $\mu$ m	P=222/Fin	30=30"(762mm)	B=NBR	
	10=10 $\mu$ m	T=226/Flat	40=40"(1016mm)	V=Viton	
	20=20 $\mu$ m	Q=226/Fin	50=50"(1270mm)		
	50=50 $\mu$ m		60=60"(1524mm)		
	75=75 $\mu$ m				
	100=100 $\mu$ m				
	150=150 $\mu$ m				

# String Wound Cartridge Filter



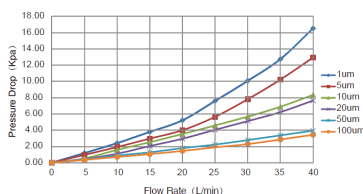
String Wound

## Introduction

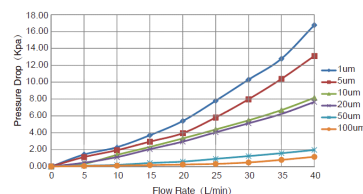
*String wound cartridges* are manufactured with structured open outer layers and tight inner layers to offer true depth filtration for high dirt holding capacity and extremely low media migration. The main advantage of the string wound filter cartridge is its exceptionally high structural strength, therefore, they can withstand higher PSID and severe operating conditions.

## Solutions

- ▶ Oil & Chemical.
- ▶ Plating.
- ▶ Mining.
- ▶ Machinery & Equipment.
- ▶ Industrial Water Treatment.



PP String Wound Filter Pressure Drop vs. Flow Rate @20°C



Cotton String Wound Filter Pressure Drop vs. Flow Rate @20°C

## Product specification

<b>Dimension</b>	[ OD ]: $\Phi$ 69mm, 115mm [ ID ]: $\Phi$ 28mm, 30mm [ Length ]: 10", 20", 30", 40"
<b>Material Of Constructions</b>	[ Media ]: Polypropylene, Bleached cotton, Glass Fiber [ Core ]: PP, Stainless Steel
<b>Performance</b>	[ Max. Operating temperature ]: Polypropylene(PP): 80°C Bleached cotton: 120°C Glass Fiber: 200°C [ Max. Operating DP ]: 2.0bar@25°C

## Ordering Information

Outer Diameter	Material	Removal Rating	End Cap Type	Length	Seal Material
O=63mm B=115mm	A=PP yarn and PP core	1=1µm	F=DOE	10=10"(254mm)	S=Silicone
		5=5µm	M=22/Flat	20=20"(508mm)	E=EPDM
	B=Cotton yarn and SS core	10=10µm	P=222/Fin	30=30"(762mm)	B=NBR
		20=20µm	T=226/Flat	40=40"(1016mm)	V=Viton
	C=Cotton yarn and PP core	50=50µm	Q=226/Fin		
		75=75µm			
D=Glass fiber and SS core	100=100µm				
					<b>Core</b>
					P=PP core S=SS core

CWO1A10FS  
CWB1B10FS

Industrial  
Product