LFP

NSF Certified PP Filter Cartridge

Description

LFP filter cartridges are NSF certified pleated filter cartridges constructed of polypropylene fine fiber. This PP filter cartridge is tested and certified by NSF International against NSF/ANSI Standard 42 for material requirements only. They are capable of high dirt-holding capacity, high flow rates and broad chemical compatibility. Due to their features, they are ideal and most cost-effective for the wide range of classification and prefiltration for both liquids and gases in the Food & Beverage Industry.

Features and Benefits

- NSF certified
- Broad chemical compatibility
- Superior dirt-holding capacity
- High flow rates
- Low extractables and low protein binding

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO9001 certified Quality Management System

Application

For liquid

- Prefiltration for draft beer
- Clarification for wine, liquor and other alcohol drinks
- Filtration for mineral water and purified water
- Security filtration for reverse osmosis
- Clarification during primary food process

For air & gas

- Prefiltration before terminal gas filtration

Specification

Materials of Construction

Filter Media	PP
Support and Drainage	PP
Core, Cage	PP
End Caps	PP
O-rings/Gasket	Silicone
Sealing technology	Thermal Bonding, No Adhesives

Dimensions

Diameter	Φ68mm
Length	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

≥4.4 per 10-inch cartridges

Pore Size, μm

0.1, 0.22, 0.45, 0.65, 0.8, 1.2, 3.0, 5.0,10,15, 20

Maximum Differential Pressure

Forward: 4.2 bar @ 23 ℃(60.9psi@73.4℉); 1.5 bar @ 85 ℃(21.7psi@185℉)

Sanitization

May be hot water sanitized for 30 cycles using purified water at 85℃(185℉) for 30 minutes.

Bacterial Endotoxins

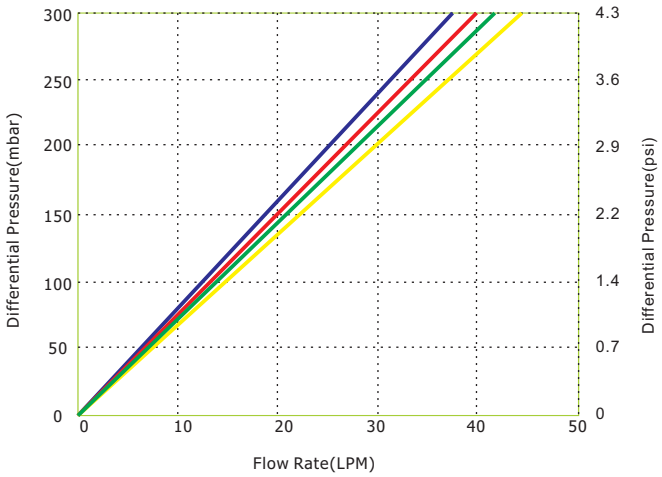
< 0.25 EU/ml as determined by the LAL test.

NSF®

This PP Filter Cartridge is Tested and Certified by NSF International against NSF/ANSI Standard 42 for material components only.

COMPONENT

Typical Liquid Flow Rate @ 23℃(73.4℉)



- *Typical initial clean media △P; water at 23 ℃(73. 4℉) viscosity 1cP.*
- *For assistance in sizing, please contact ANOW.*

Ordering Information

This information is a guide to the Part No. structure and possible options.

For availability of specific options and housing details, please contact ANOW.

LF	P	022	C	10	S	B

Code	Grade
LF	Food& Beverage

Code	Media
P	PP

Code	Rating (μm)
010	0.1
022	0.22
045	0.45
065	0.65
080	0.8
100	1.0
300	3.0
500	5.0
01K	10
15H	15
02K	20

Code	End Cap Configuration
A	222/Fin
B	222/Flat
C	226/Fin
D	226/Flat
E	DOE

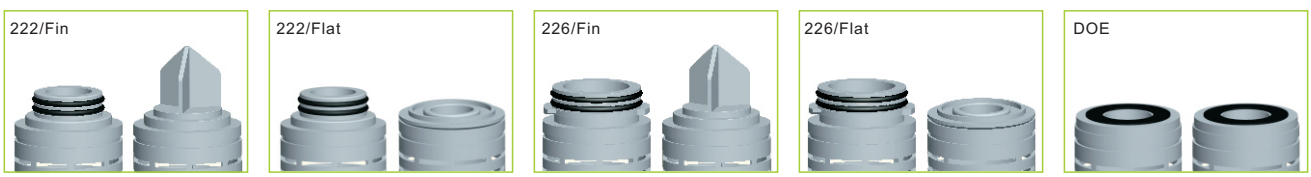
Code	Length (inch)
05	5
10	10
20	20
30	30
40	40

Code	Seal
S	Silicone

Code	Support
A	PP
B	High Temperature Resistant PP
C	PP with Stainless Steel Core

Notes: ***Please inform us when you order NSF certified PP filter cartridges.***

End Cap Code



LFPF

Multi-layer PP Filter Cartridge

Description

LFPF filter cartridges are optimized for the wide range of prefiltration, especially for the retention of colloids and particles in wine filtration as well as gas filtration. They are characterised by multiple layers of progressively pleated polyprop -ylene depth filter material, featuring high dirt-holding capacity and high flow rates.

Features and Benefits

- Superior dirt-holding capacity
- High flow rates and long service life
- Reliable retention of particulates
- Broad chemical compatibility
- Graded pore structure
- Ideal for viscous and colloidal liquid filtration

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO9001 certified Quality Management System

Application

- Prefiltration for draft beer
- Clarification for wine, liquor and other alcohol drinks
- Filtration for mineral water and purified water
- Security filtration for reverse osmosis
- Clarification during primary food process
- Filtration for viscous and colloidal liquids

Specification

Materials of Construction

Filter Media	Multi-layer PP
Support and Drainage	PP
Core, Cage	PP
End Caps	PP
O-rings/Gasket	Silicone/EPDM/Viton
Sealing technology	Thermal Bonding, No Adhesives

Dimensions

Diameter	Φ68mm
Length	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

2.1~3.2 per 10-inch cartridge

Pore Size, μm

0.1,0.22,0.5, 1.0, 3.0, 5.0, 10, 20

Maximum Differential Pressure

Forward: 4.2 bar @ 23 ℃(60.9psi@73.4℉); 1.5 bar @ 85 ℃(21.7psi@185℉)

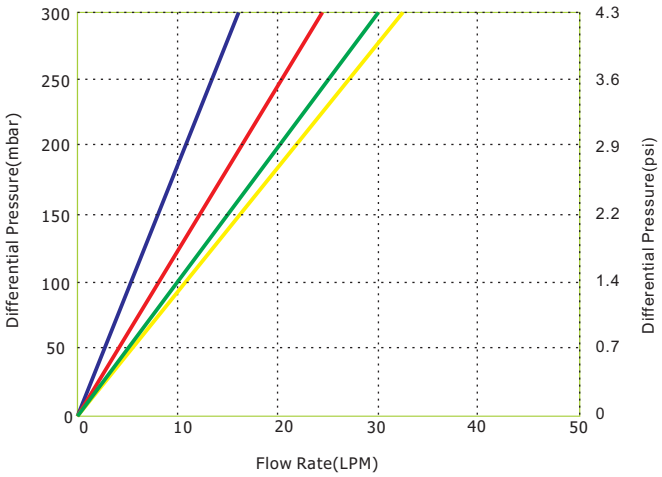
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85℃(185℉) for 30 minutes.

Bacterial Endotoxins

〈0.25 EU/ml as determined by the LAL test

Typical Liquid Flow Rate @ 23℃(73.4℉)



- *Typical initial clean media △P; water at 23 ℃(73. 4℉) viscosity 1cP.*
- *For assistance in sizing, please contact ANOW.*

Ordering Information

This information is a guide to the Part No. structure and possible options.

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LF

Code	Grade
LF	Food& Beverage

PF

Code	Media
PF	Multi-layer PP

100

Code	Rating (μm)
010	0.1
022	0.22
050	0.5
100	1.0
300	3.0
500	5.0
01K	10
02K	20

C

Code	End Cap Configuration
A	222/Fin
B	222/Flat
C	226/Fin
D	226/Flat
E	DOE

10

Code	Length (inch)
05	5
10	10
20	20
30	30
40	40

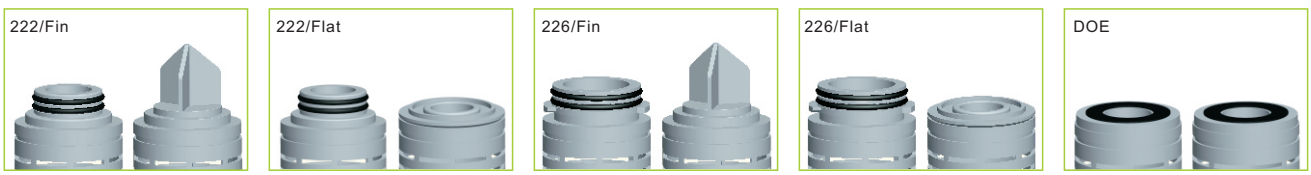
S

Code	Seal
S	Silicone
E	EPDM
V	Viton
T	TEV

A

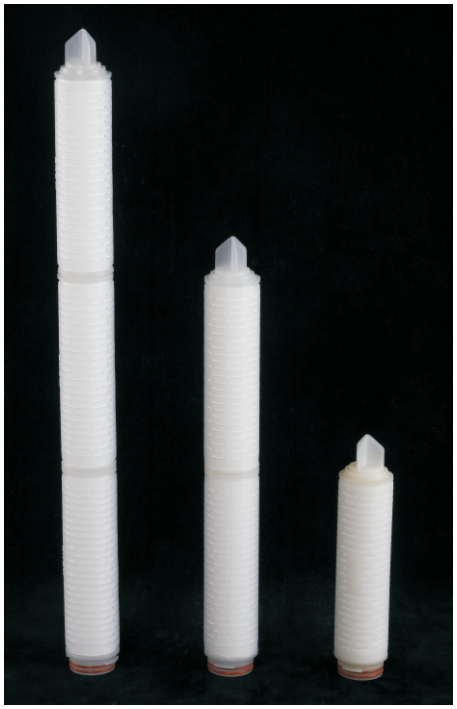
Code	Support
A	PP
B	High Temperature Resistant PP
C	PP with Stainless Steel Core

End Cap Code



LFAP

Absolute PP Filter Cartridge



Description

LFAP filter cartridges are designed for the removal of particles and microorganisms from liquids and gases in clarification and prefiltration applications. They are characterised by multiple layers of progressively pleated polypropylene depth filter material, providing high dirt-holding capacity, high flow rates and reliable retention of particles, for protecting membrane filters.

Features and Benefits

- Superior dirt-holding capacity
- High flow rates and long service life
- Reliable retention of particulates
- Broad chemical compatibility

Quality

- Cartridges produced in a controlled environment
- Manufactured according to ISO9001 certified Quality Management System

Application

For Liquid

- Clarification for wine, liquor and other alcohol drinks
- Filtration for mineral water and purified water
- Security filtration for reverse osmosis
- Clarification during primary food process

For Gas

- Prefiltration for compressed air in clean room
- Prefiltration for air at the inlet and outlet of fermentation tank
- Prefiltration for variety of air & gas
- Most prefiltration and terminal filtration during food process

Specification

Materials of Construction

Filter Media	Absolute PP
Support and Drainage	PP
Core, Cage	PP
End Caps	PP
O-rings/Gasket	Silicone/EPDM/Viton
Sealing technology	Thermal Bonding, No Adhesives

Dimensions

Diameter	Φ68mm
Length	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

2.1~3.2 per 10-inch cartridges

Pore Size, μm

0.1,0.22,0.5, 1.0, 3.0, 5.0, 10, 20

Maximum Differential Pressure

Forward: 4.2 bar @ 23 ℃(60.9psi@73.4℉); 1.5 bar @ 85 ℃(21.7psi@185℉)

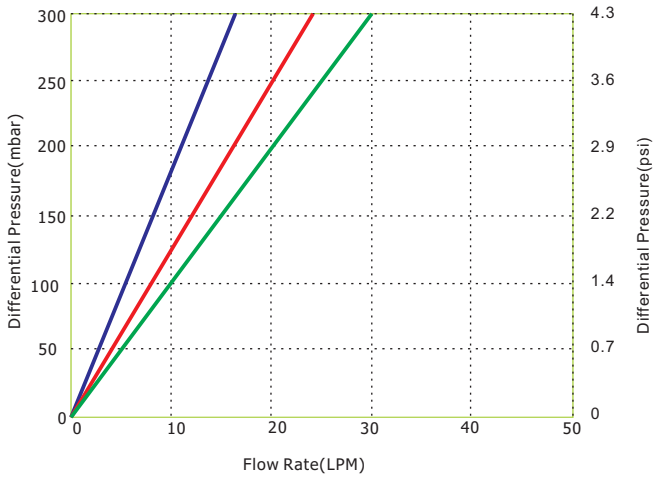
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 ℃(185℉) for 30 minutes.

Bacterial Endotoxins

〈 0.25 EU/ml as determined by the LAL test.

Typical Liquid Flow Rate @ 23℃(73.4℉)



- *Typical initial clean media △P ; water at 23 ℃ (73. 4℉) viscosity 1cP.*
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LF

Code	Grade
LF	Food& Beverage

AP

Code	Media
AP	Absolute PP

100

Code	Rating (μm)
010	0.1
022	0.22
050	0.5
100	1.0
300	3.0
500	5.0
01K	10
02K	20

C

Code	End Cap Configuration
A	222/Fin
B	222/Flat
C	226/Fin
D	226/Flat
E	DOE

10

Code	Length (inch)
05	5
10	10
20	20
30	30
40	40

S

Code	Seal
S	Silicone
E	EPDM
V	Viton
T	TEV

A

Code	Support
A	PP
B	High Temperature Resistant PP
C	PP with Stainless Steel Core

End Cap Code