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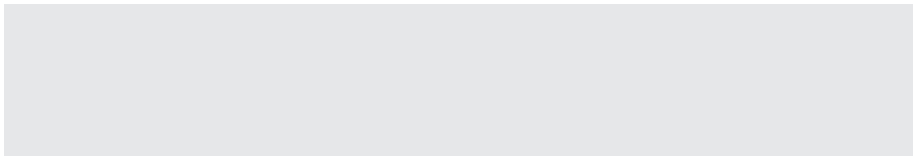
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Solutions for the Food&Beverage Industry

Hangzhou Anow Microfiltration Co.,Ltd

Company Introduction

Hangzhou Anow Microfiltration Co., Ltd. is a well-known filtration company in Asia who focuses on research and development of MCE, Nylon, PES, PVDF, PTFE membrane, with pore size ranging from 0.03 μm to 10 μm, as well as design and production of various pleated filter cartridges, syringe filters and capsule filters. ANOW provides professional assistances to liquid and gas & air filtration, separation and purification solutions for customers around the world in biopharmaceutical, medical, food & beverage, microelectronic, chemistry, water treatment and laboratory applications.

As a state-class high-tech enterprise, ANOW has successfully gotten the certificates of ISO9001, ISO13485, ISO14001 and OHSAS18001, and obtained the SFDA authorized production certificate of the 3rd medical plastic products, among which disposable microporous membrane and filters for medical use were honored the registration certificate of medical devices by SFDA. Besides, we have been also honored as Direct Unit of the Membrane Industry Association of China and Direct Company of medical plastic product branch association of CAMDI.

Located in Xindeng Industrial Zone, Fuyang, Hangzhou, ANOW's plant covers a production workshop area of 6000 m², with 3000 m² area meeting the GMP requirements for manufacturing of medical devices, 600 m² 100000-class cleaning room and 2400 m² cleaning room. We have more than twenty lines for the production of microporous membranes and pleated filter cartridges, advanced inspection tools and equipments, as well as professional R&D Center and Validation Center. In addition, we also have experienced technical experts such as Academician Congjie Gao and Professor Meile Gong, for developing new products and providing technical services, which can satisfy our customers both in quantity and quality.

ANOW has been making great efforts to improve the quality management system during the process of obtaining the certificates of production and registration. We particularly attach great importance to R&D to make consistent progress in order to provide customers with excellent products and services.

Our mission is **"Safer Filtration, Greener World"**.



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Production

Membrane Manufacturing Workshop



Injection Workshop



Cartridge Testing Workshop



Cartridge Production Workshop



Cartridge Production Workshop



Cartridge Flushing Workshop



Warehouse

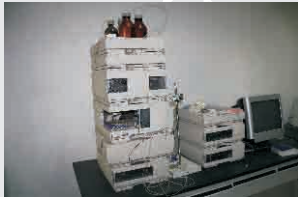


R&D

SEM



HPLC



Particle Counter



IR



Integrity Testing



Bacterial Challenge Testing



Microbial Testing



ANOW has established the Validation Center, with improved management procedures and standard operation procedures. Thus we can supply validation services below but not only these, tailored to the unique needs of each customer's fluid and set of process conditions in the Food & Beverage Industry. Therefore, we can help our customers to comply with regulations, ensure product quality and safety, as well as save time and money.

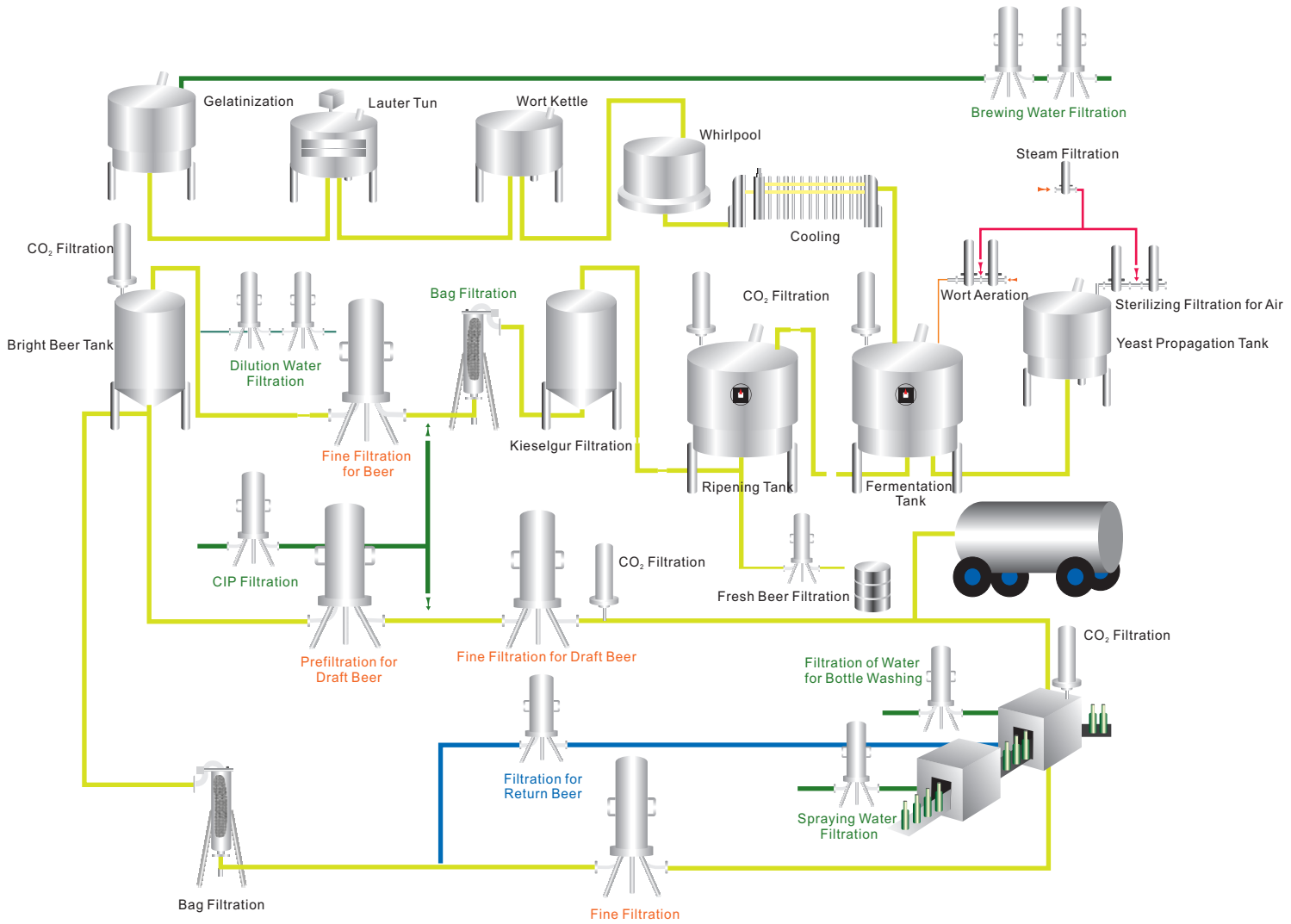
- ✚ Integrity Test
- ✚ Extractables
- ✚ Chemical Compatibility Test
- ✚ Absorption Test
- ✚ Bacterial Survival Test
- ✚ Bacterial Retention Test
- ✚ Cartridge Flushing Test



APPLICATIONS



Beer Filtration

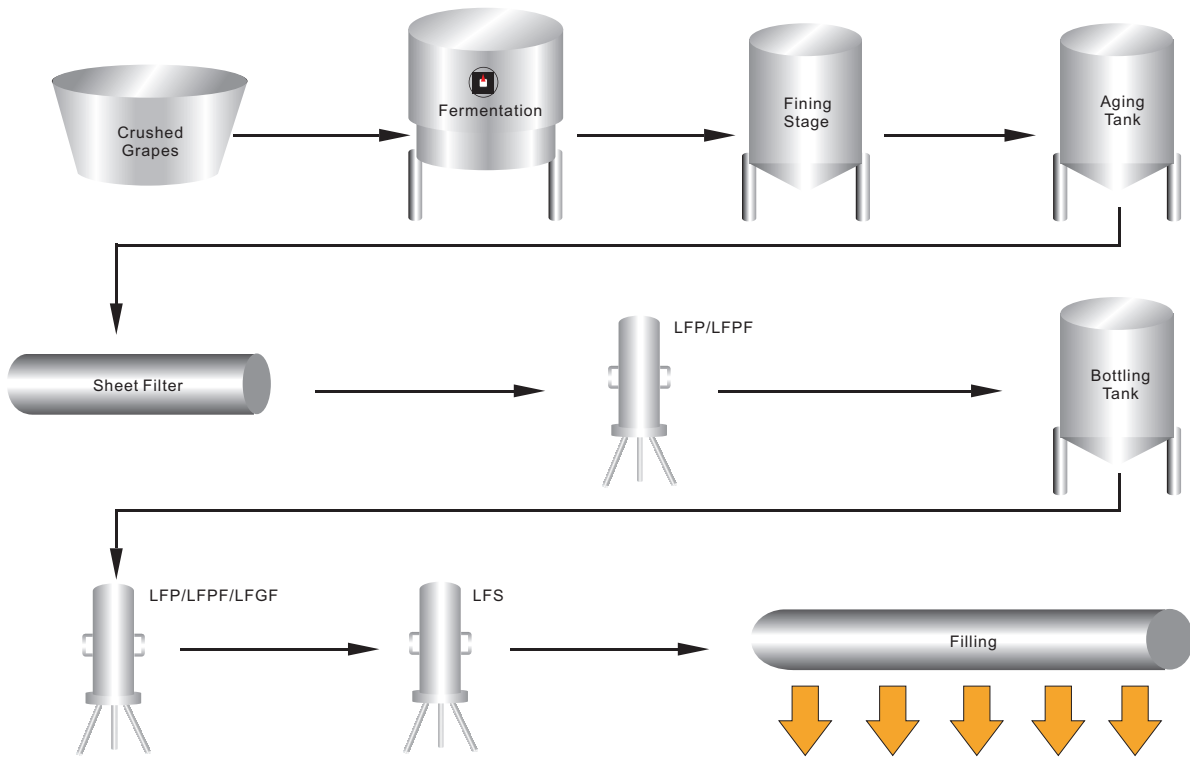


Recommendation

Filtration Step	Recommendation
Filtration for diluting water & brewing water	Prefiltration: LFP/LFGF Terminal filtration: LFNN/LFS
Fine filtration for fresh beer & beer	LFPF/LBFP
Filtration for draft beer	Prefiltration: LBFP/LFPF Fine filtration: LFS
Filtration for bottle washing water	LFPF/LFNN/LFS
CIP filtration	LFP/LFPF
CO ₂ filtration	LFTA
Sterile venting system	Prefiltration: LFGF/LFPF Sterilizing filtration: LFTA Steam filtration: Sintered Filter of Stainless Steel

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.

Wine Filtration



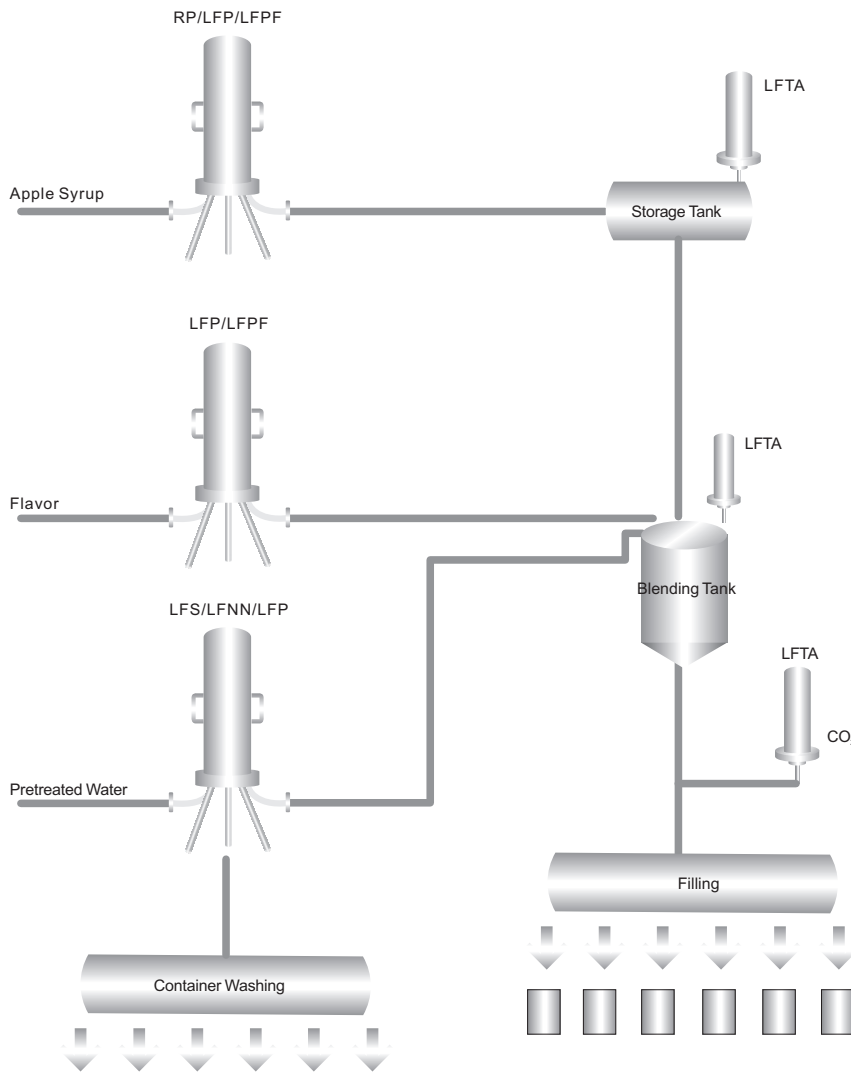
Recommendation

Filtration Step	Recommendation
Clarification	LFP/LFPF
Prefiltration	LFP/LFPF/LFGF
Final Filtration	LFS
Sterile Venting	LFTA

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.

Filtration Separation Purification Solutions

Soft Drink Filtration

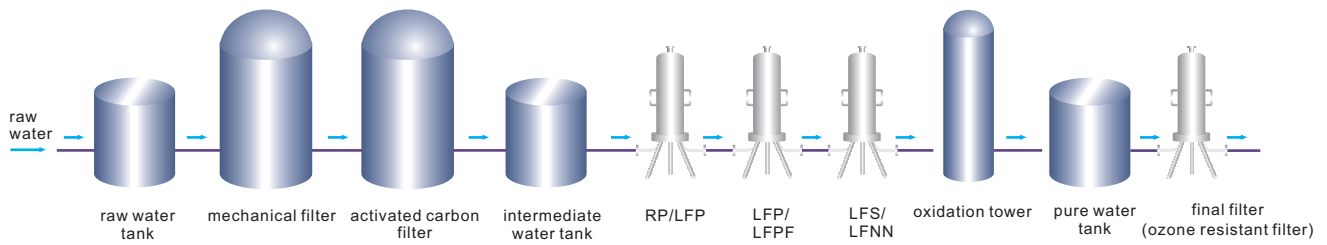


Recommendation

Product	Description
RP	Melt-blown depth filter, economy, for prefiltration
LFP	PP cartridge filter, cost-effective, for prefiltration
LFPF	Multi-layer PP cartridge filter, graded-pore structure, filtration for colloids and viscous liquids
LFS	Asymmetrical hydrophilic PES membrane, high throughputs, long service life, terminal filtration for wine and draft beer
LFNN	Hydrophilic Nylon membrane, cost-effective, for fine filtration
LFTA	Hydrophobic PTFE membrane, 0.01µm, for vent applications

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.

Bottled Water Filtration



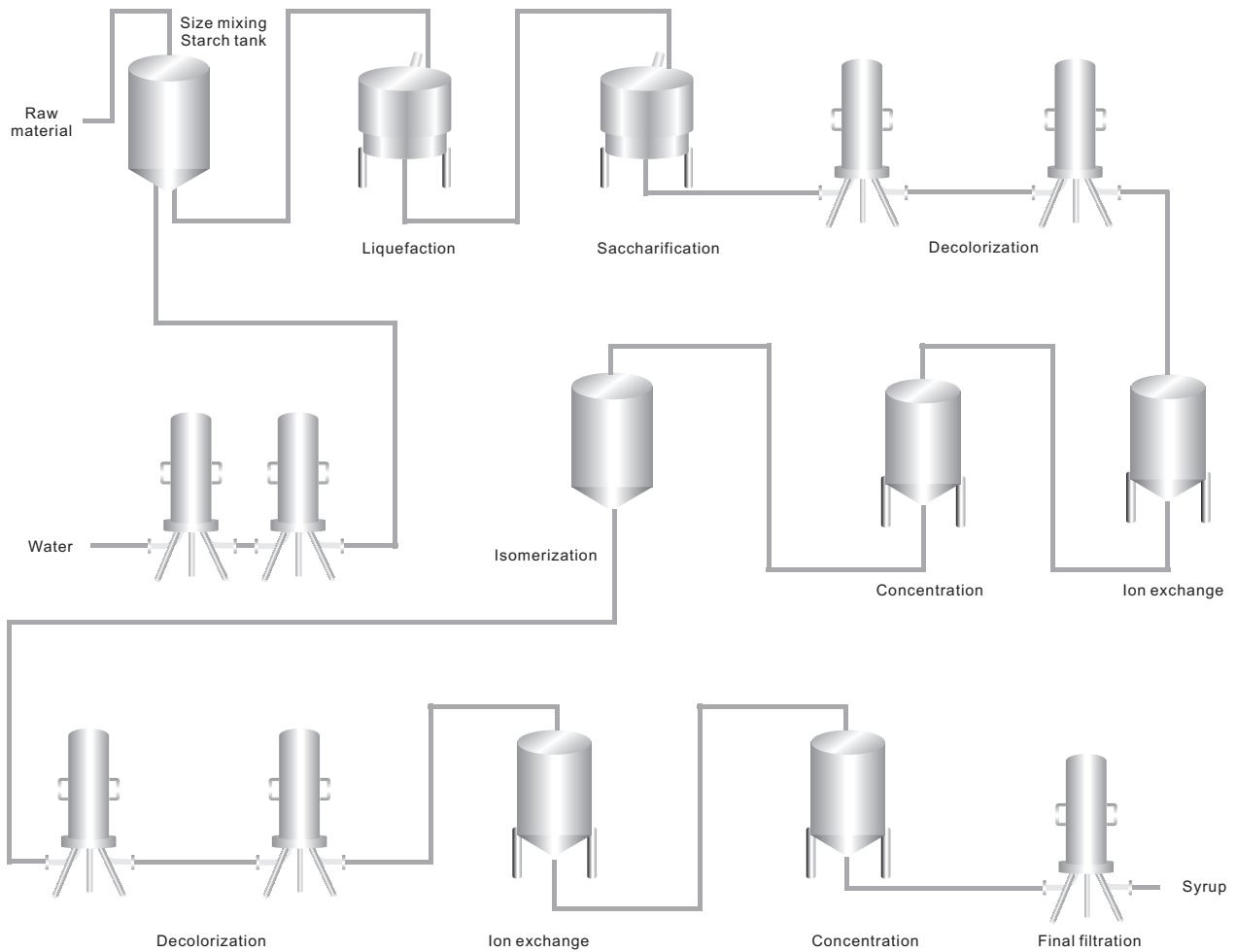
Recommendation

Product	Description
RP	Melt-blown depth filter, economy, for prefiltration
LFP	PP cartridge filter, cost-effective, for prefiltration
LFPF	Multi-layer PP cartridge filter, graded-pore structure, for prefiltration
LFNN	Hydrophilic Nylon membrane, cost-effective, for final filtration
LFS	Asymmetrical hydrophilic PES membrane, high throughputs, long service life, for final filtration
LFQV	PVDF membrane with PVDF cage & core & end caps, ozone resistant, for final filtration before bottling
LFTA	Hydrophobic PTFE membrane, 0.01µm, for vent application

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.



High Fructose Syrup Filtration

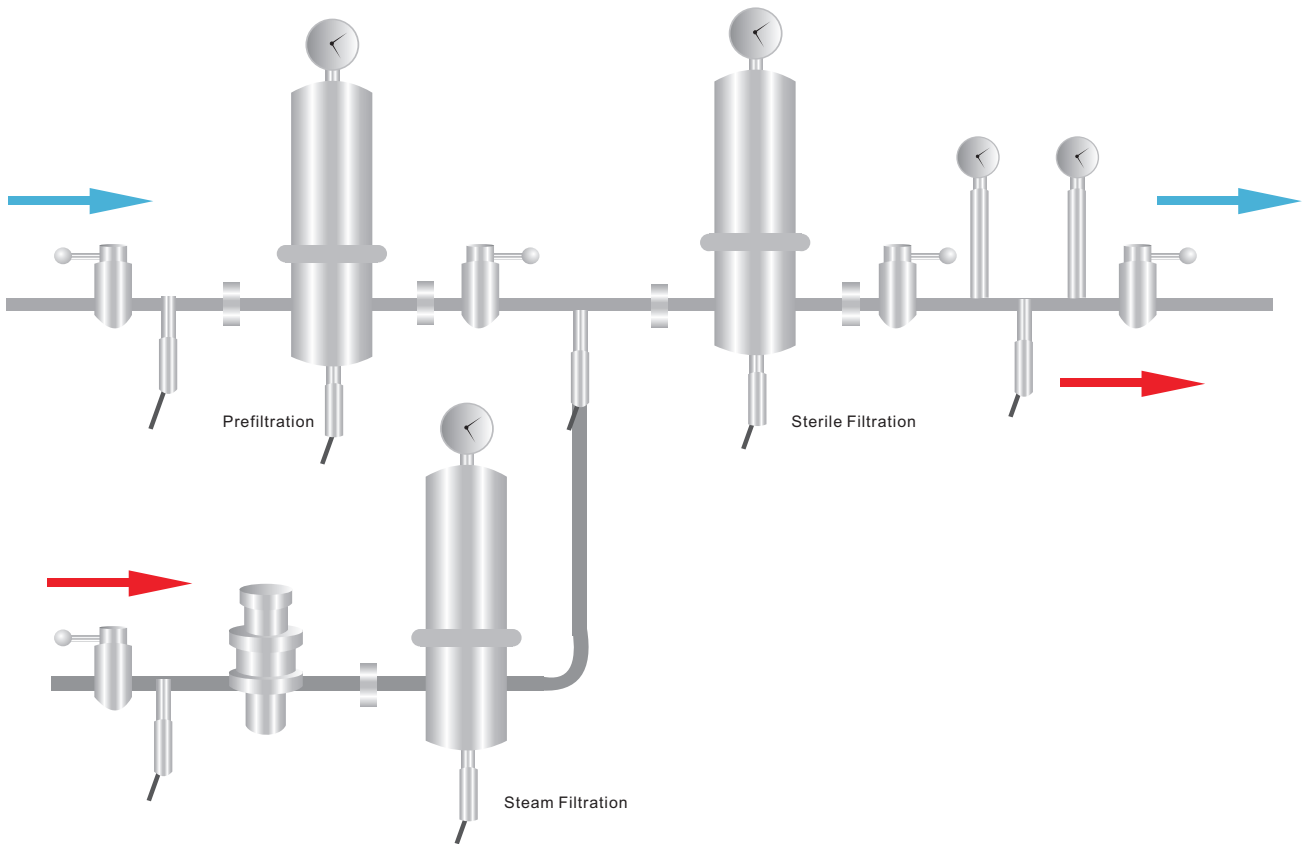


Recommendation

Filtration Step	Recommendation
Filtration for water	Prefiltration: LFP/LFGF Terminal filtration: LFNN/LFS
Decolorization	Prefiltration: Bag filter Fine filtration: LFPF
Final filtration	LFS
Sterile venting system	Prefiltration: LFGF/LFPF Sterilizing filtration: LFTA

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.

Sterilized Gas&Air Filtration System



Recommendation

Filtration Step	Recommendation
Prefiltration	LFGF/LFPF
Sterile Filtration	LFTA
Steam Filtration	Sintered Filter of Stainless Steel

Note: The products listed are examples only and others may be more suitable for your application. Specific recommendations can be obtained from ANOW.

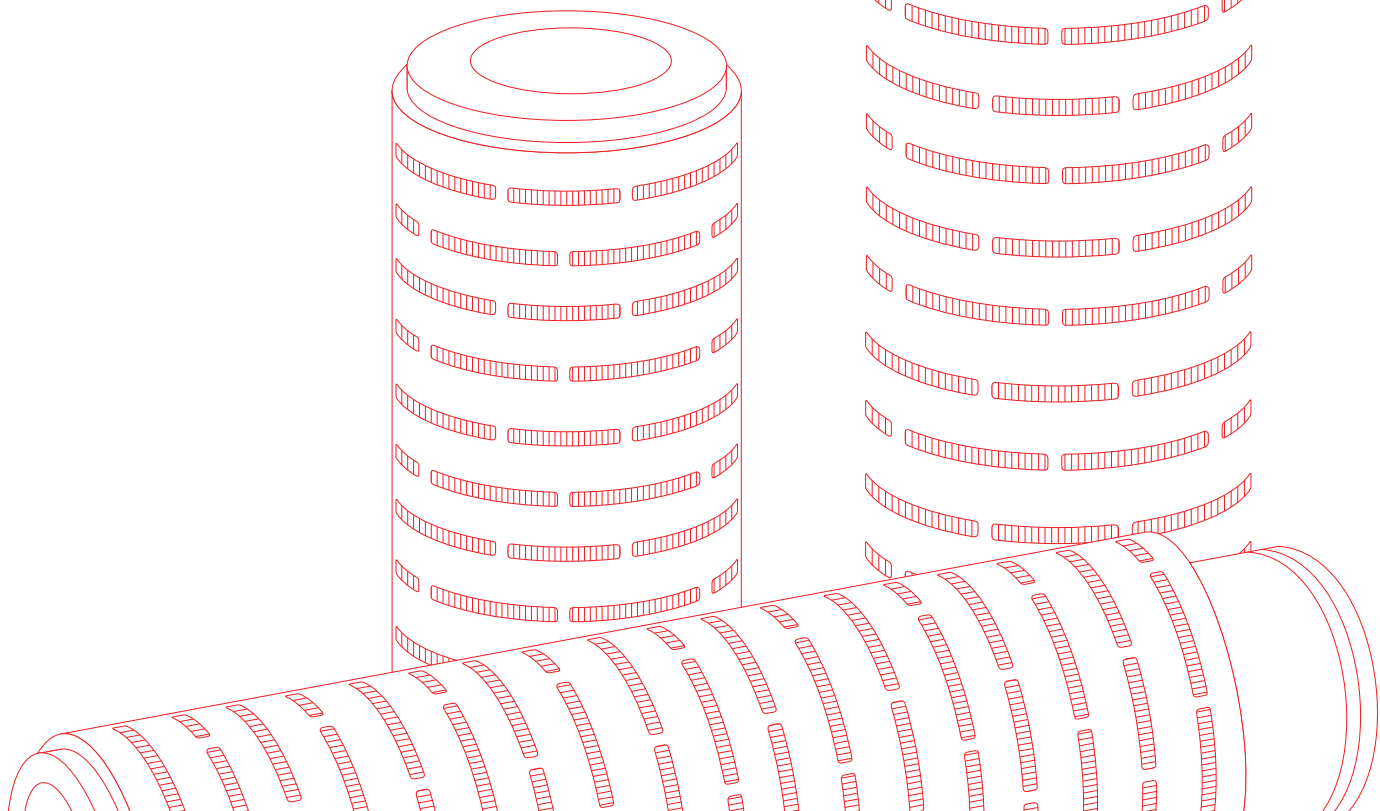
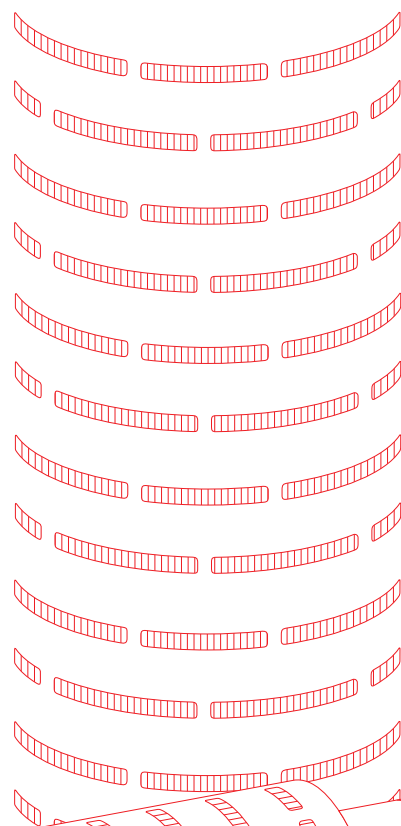
Application

- Sterile filtration for compressed air in yeast propagation
- Sterile filtration for wort aeration
- Sterile filtration for CO₂ and N₂





FILTER CARTRIDGES



LFS

Asymmetric & Hydrophilic PES Filter Cartridge



Description

LFS filter cartridges are integrity testable membrane filters especially developed for filtration in the Food & Beverage Industry. They are characterised by a unique highly asymmetric, hydrophilic polyethersulfone membrane, offering high throughputs, low protein adsorption and superior microbiological safety.

Features and Benefits

- Broad chemical compatibility
- Low protein binding
- Good heat-resistance
- Long service life and high flow rates
- Integrity testable

Quality

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

Application

- Sterile filtration for beverage, wine, draft beer and other drinks
- Sterile filtration for water
- Terminal filtration during food process



Specification

Materials of Construction

<i>Membrane</i>	Asymmetric, Hydrophilic PES
<i>Support & Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP (222/226 with encapsulated stainless steel reinforcing ring)
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/TEV
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥ 6.4 per 10-inch cartridge

Pore Size, μm

0.1, 0.22, 0.45, 0.65, 0.8, 1.2, 3.0

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C(60.9psi@73.4°F); 1.5 bar @ 85 °C(21.7psi@185°F)

Integrity Test-water bubble point at 23 °C(73.4°F)

<i>0.22 μm</i>	≥ 3100 mbar(44.96psi)
<i>0.45 μm</i>	≥ 1800 mbar(26.1psi)

Bacterial Retention

<i>0.22 μm</i>	>10 ⁷ CFU/cm ² <i>Brevundimonas diminuta</i> (ATCC19146)
<i>0.45 μm</i>	>10 ⁷ CFU/cm ² <i>Serratia marcescens</i> (ATCC14041)

Non-Fiber Releasing

Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3 (b) (6).

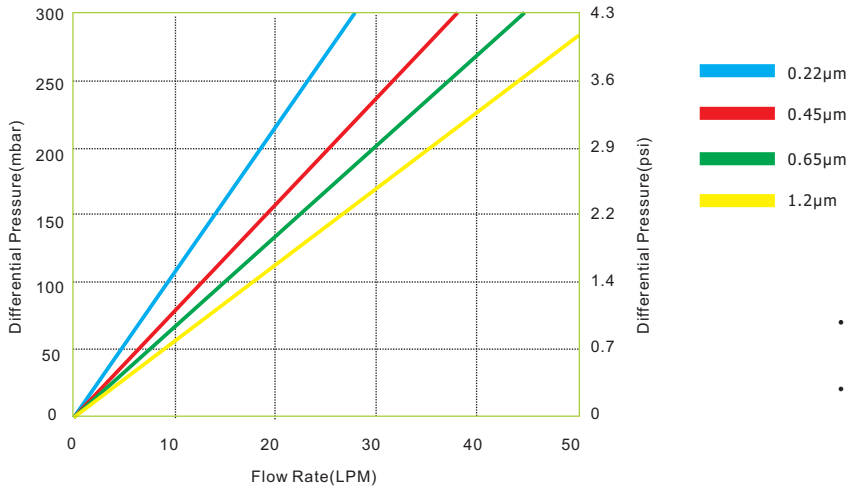
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85°C(185°F) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ;
water at 23 °C (73. 4°F) 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		S		022		C		10		S		B	
Code	Grade	Code	Membrane	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	S	PES	010	0.1	A	222/Fin	05	5	S	Silicone	A	PP
				022	0.22	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				045	0.45	C	226/Fin	20	20	V	Viton		
				065	0.65	D	226/Flat	30	30	T	TEV		
				080	0.8	E	DOE	40	40			C	PP with Stainless Steel Core
				120	1.2								
				300	3.0								

End Cap Code



LFT

Hydrophobic PTFE Filter Cartridge



Description

LFT filter cartridges are characterised by permanently hydrophobic PTFE membrane, specially developed for sterile liquid filtration. They are integrity testable, providing high throughputs, broad chemical compatibility and high flow rates. Due to their hydrophobic characteristics, they must be pre-wetted with ethanol or IPA before the filtration of aqueous solutions.

Features and Benefits

- Broad chemical compatibility
- Absolute construction with retention ratings of 0.05, 0.1, 0.22, 0.45, 1.0, 3.0, 5.0 or 10 μm
- High throughputs and superior flow rates
- Long service life and cost-effective
- 100% integrity testable prior to release

Quality

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

Application

- Prefiltration and terminal filtration during most food process

Notes: They must be pre-wetted with ethanol or IPA before the filtration of aqueous solutions.



Specification

Materials of Construction

Membrane	Hydrophobic PTFE
Support & Drainage	PP
Core, Cage	PP
End Caps	PP (222/226 with encapsulated stainless steel reinforcing ring)
O-rings/Gasket	Silicone/EPDM/Viton/TEV
Sealing technology	Thermal Bonding, No Adhesives

Dimensions

Diameter	$\Phi 68\text{mm}$
Length	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

≥ 5.8 per 10-inch cartridge

Pore Size, μm

0.05, 0.1, 0.22, 0.45, 1.0, 3.0, 5.0, 10

Maximum Differential Pressure

Forward: 4.2 bar @ 23 $^{\circ}\text{C}$ (60.9psi@73.4 $^{\circ}\text{F}$); 1.5 bar @ 85 $^{\circ}\text{C}$ (21.7psi@185 $^{\circ}\text{F}$)

Integrity Test-60% IPA bubble point at 23 $^{\circ}\text{C}$ (73.4 $^{\circ}\text{F}$)

0.22 μm	≥ 900 mbar(13.0psi)
0.45 μm	≥ 300 mbar(4.35psi)

Bacterial Retention

0.22 μm	$>10^7$ CFU/cm 2 <i>Brevundimonas diminuta</i> (ATCC19146)
0.45 μm	$>10^7$ CFU/cm 2 <i>Serratia marcescens</i> (ATCC14041)

Non-Fiber Releasing

Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3 (b) (6)

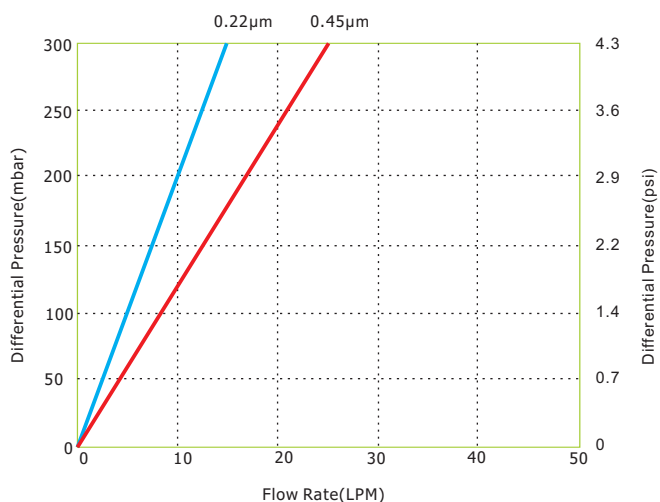
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 $^{\circ}\text{C}$ (185 $^{\circ}\text{F}$) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ;
water at 23 °C (73.4°F) 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		T		022		C		10		E		B	
Code	Grade	Code	Membrane	Code	Rating (μm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	T	Hydrophobic PTFE	005	0.05	A	222/Fin	05	5	S	Silicone	A	PP
				010	0.1	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				022	0.22	C	226/Fin	20	20	V	Viton		
				045	0.45	D	226/Flat	30	30	T	TEV		
				100	1.0	E	DOE	40	40			C	PP with Stainless Steel Core
				300	3.0								
				500	5.0								

End Cap Code



LFTA

Hydrophobic PTFE Filter Cartridge for Gas & Air



Description

LFTA filter cartridges are featured by permanently hydrophobic PTFE membrane, specially designed for sterile venting and gas applications. They are integrity testable, offering the highest process security, high throughputs, extreme humidity and stringent in-line steam sterilizations.

Features and Benefits

- High flow rates and low pressure drop
- High strength, long service life and cost-effective
- Oxidation-resistant materials of construction
- Have a particulate removal rating of 0.01 μm in gases and a microbial removal rating of 0.22 μm in liquids
- 100% integrity testable prior to release

Quality

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

Application

- Sterile venting of tanks
- Autoclave vacuum break lines
- Fermentation air applications
- Sterile process gases
- CIP at ambient temperature



Specification

Materials of Construction

Membrane	Hydrophobic PTFE
Support & Drainage	PP
Core, Cage	PP
End Caps	PP (222/226 with encapsulated stainless steel reinforcing ring)
O-rings/Gasket	Silicone/EPDM/Viton/TEV
Sealing technology	Thermal Bonding, No Adhesives

Dimensions

Diameter	$\Phi 68\text{mm}$
Length	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

≥ 6.4 per 10-inch cartridge

Removal Rating, μm

0.01 (for gas)

Maximum Differential Pressure

Forward: 4.2 bar @ 23 $^{\circ}\text{C}$ (60.9 psi @ 73.4 $^{\circ}\text{F}$); 1.5 bar @ 85 $^{\circ}\text{C}$ (21.7 psi @ 185 $^{\circ}\text{F}$)

Integrity Test-at 23 $^{\circ}\text{C}$ (73.4 $^{\circ}\text{F}$)

Bubble point	≥ 1100 mbar (15.9 psi) with 60% IPA
HydroCorr (water intrusion test)	≤ 0.75 mL/min per 10-inch cartridge with water at 2620 mbar (38.0 psi)

Bacterial Retention

Passed the bacterial challenge testing using *Brevundimonas diminuta* (ATCC19146) at a minimum challenge concentration of 1×10^7 CFU/cm 2

Non-Fiber Releasing

Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3 (b) (6)

Multiple Sterilization Cycles

200 steam-in-place sterilization or autoclave cycles of 30 minutes at 123 $^{\circ}\text{C}$ (253.4 $^{\circ}\text{F}$)

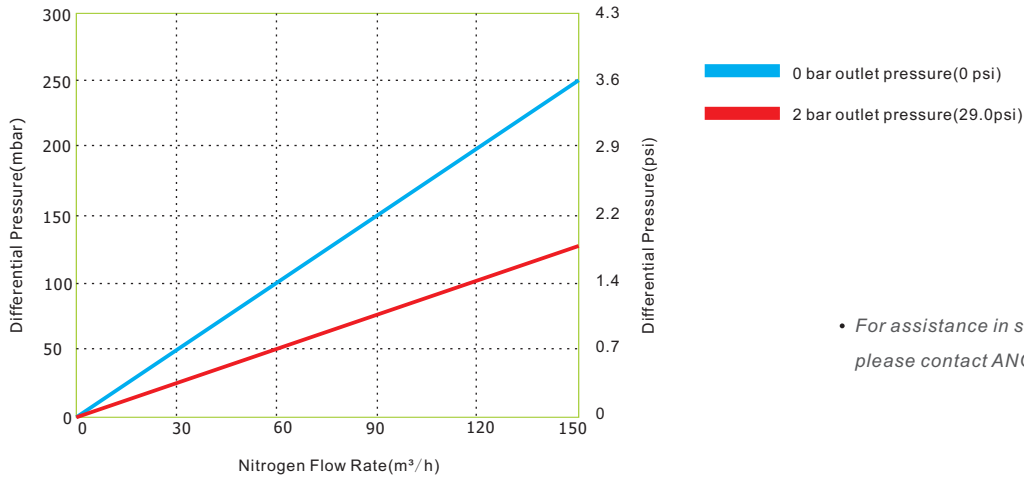
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 $^{\circ}\text{C}$ (185 $^{\circ}\text{F}$) for 30 minutes.

Bacterial Endotoxins

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

Typical Nitrogen Flow Rate @ 23°C(73.4°F)



• 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		TA		001		C		10		S		B	
Code	Grade	Code	Membrane	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	TA	Hydrophobic PTFE for air	001	0.01	A	222/Fin	05	5	S	Silicone	A	PP
						B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
						C	226/Fin	20	20	V	Viton		
						D	226/Flat	30	30	T	TEV		
						E	DOE	40	40			C	PP with Stainless Steel Core

End Cap Code



LFTL

Hydrophilic PTFE Filter Cartridge



Description

LFTL filter cartridges are manufactured from hydrophilic PTFE membrane and polypropylene components for broad application compatibility. They are 100% integrity tested during manufacturing prior to release. And they can provide high flow rates at low pressure drops. In addition, there is no need of pre-wetting for these hydrophilic PTFE membrane filters.

Features and Benefits

- Broad chemical compatibility
- Absolute construction with retention ratings of 0.1, 0.22, 0.45, 1.0 μm
- High throughputs and superior flow rates
- Long service life and cost-effective
- No need of pre-wetting
- 100% integrity testable prior to release

Quality

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

Application

- Prefiltration and terminal filtration during most food processes



Specification

Materials of Construction

<i>Membrane</i>	Hydrophilic PTFE
<i>Support & Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP (222/226 with encapsulated stainless steel reinforcing ring)
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/TEV
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	$\Phi 68\text{mm}$
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft^2

≥ 5.8 per 10-inch cartridge

Pore Size, μm

0.1, 0.22, 0.45, 1.0

Maximum Differential Pressure

Forward: 4.2 bar @ 23 $^{\circ}\text{C}$ (60.9psi@73.4 $^{\circ}\text{F}$); 1.5 bar @ 85 $^{\circ}\text{C}$ (21.7psi@185 $^{\circ}\text{F}$)

Integrity Test-60% IPA bubble point at 23 $^{\circ}\text{C}$ (73.4 $^{\circ}\text{F}$)

<i>0.22 μm</i>	≥ 900 mbar(13.0psi)
<i>0.45 μm</i>	≥ 300 mbar(4.35psi)

Bacterial Retention

<i>0.22 μm</i>	$>10^7$ CFU/cm 2 <i>Brevundimonas diminuta</i> (ATCC19146)
<i>0.45 μm</i>	$>10^7$ CFU/cm 2 <i>Serratia marcescens</i> (ATCC14041)

Non-Fiber Releasing

Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3 (b) (6)

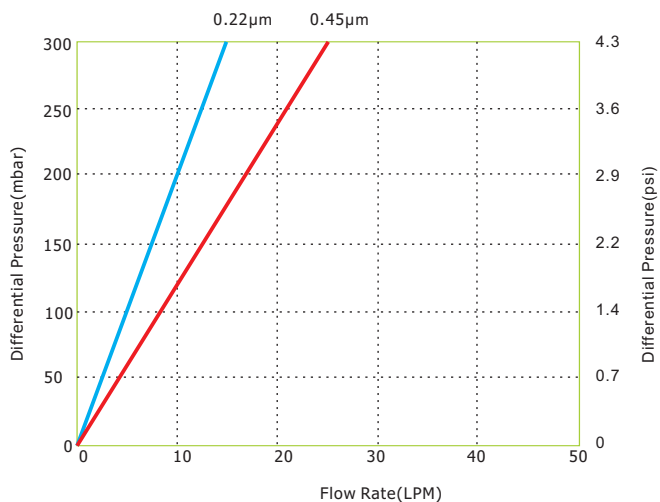
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 $^{\circ}\text{C}$ (185 $^{\circ}\text{F}$) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ;
water at 23 °C (73. 4°F) 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.

Code	Grade	Code	Membrane	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	TL	Hydrophilic PTFE	010	0.1	A	222/Fin	05	5	S	Silicone	A	PP
				022	0.22	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				045	0.45	C	226/Fin	20	20	V	Viton		
				100	1.0	D	226/Flat	30	30	T	TEV	C	PP with Stainless Steel Core
						E	DOE	40	40				

End Cap Code



LFNN

Hydrophilic Nylon Filter Cartridge



Description

LFNN filter cartridges are integrity testable membrane filters especially engineered for microbial stabilization of alcohol drinks in the Food & Beverage Industry. They are characterised by hydrophilic Nylon membrane, providing high throughputs, low extractables and good mechanical strength.

Features and Benefits

- Broad chemical compatibility
- Low extractables and high adsorption
- High throughputs and cost-effective
- 100% integrity testable prior to release

Quality

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

Application

- Sterile filtration for draft beer
- Sterile filtration for wine, liquor and other alcohol drinks
- Sterile filtration for mineral water and high purified water
- Terminal filtration for sterilized water during most food process



Specification

Materials of Construction

<i>Membrane</i>	Hydrophilic Nylon
<i>Support & Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP (222/226 with encapsulated stainless steel reinforcing ring)
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/TEV
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥ 6.4 per 10-inch cartridge

Pore Size, μm

0.1, 0.22, 0.45, 0.65, 1.0, 3.0, 5.0

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

Integrity Test-water bubble point at 23 °C (73.4°F)

<i>0.22 μm</i>	≥ 2800 mbar (40.6psi)
<i>0.45 μm</i>	≥ 1200 mbar (17.4psi)

Bacterial Retention

<i>0.22 μm</i>	> 10 ⁷ CFU/cm ² <i>Brevundimonas diminuta</i> (ATCC19146)
<i>0.45 μm</i>	> 10 ⁷ CFU/cm ² <i>Serratia marcescens</i> (ATCC14041)

Non-Fiber Releasing

Meets the criteria for a "non-fiber releasing" filter as defined in 21 CFR 210.3 (b) (6)

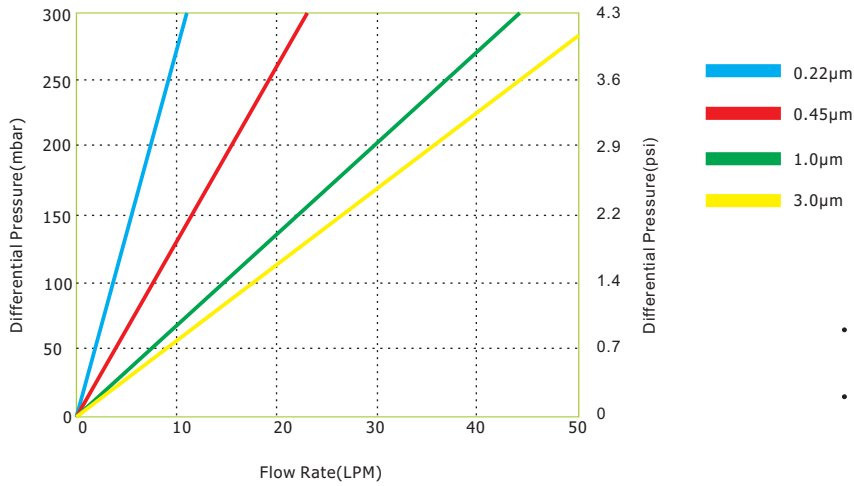
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85°C (185°F) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73.4°F) 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		NN		022		C		10		S		B	
Code	Grade	Code	Membrane	Code	Rating (μm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	NN	Nylon	010	0.1	A	222/Fin	05	5	S	Silicone	A	PP
				022	0.22	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				045	0.45	C	226/Fin	20	20	V	Viton		
				065	0.65	D	226/Flat	30	30	T	TEV		
				100	1.0	E	DOE	40	40			C	PP with Stainless Steel Core
				300	3.0								
				500	5.0								

End Cap Code



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

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

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥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 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

Sanitization

May be hot water sanitized for 30 cycles using purified water at 85°C (185°F) for 30 minutes.

Bacterial Endotoxins

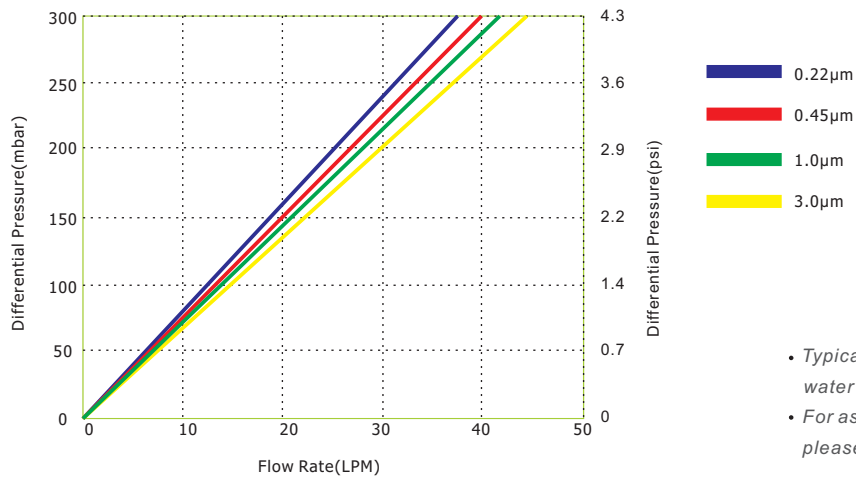
< 0.25 EU/ml as determined by the LAL test.



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°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73.4°F) 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	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	P	PP	010	0.1	A	222/Fin	05	5	S	Silicone	A	PP
				022	0.22	B	222/Flat	10	10			B	High Temperature Resistant PP
				045	0.45	C	226/Fin	20	20				
				065	0.65	D	226/Flat	30	30				
				080	0.8	E	DOE	40	40				
				100	1.0								
				300	3.0								
				500	5.0								
				01K	10								
				15H	15								
				02K	20								

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 polypropylene 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

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

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

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 °C (60.9 psi @ 73.4 °F); 1.5 bar @ 85 °C (21.7 psi @ 185 °F)

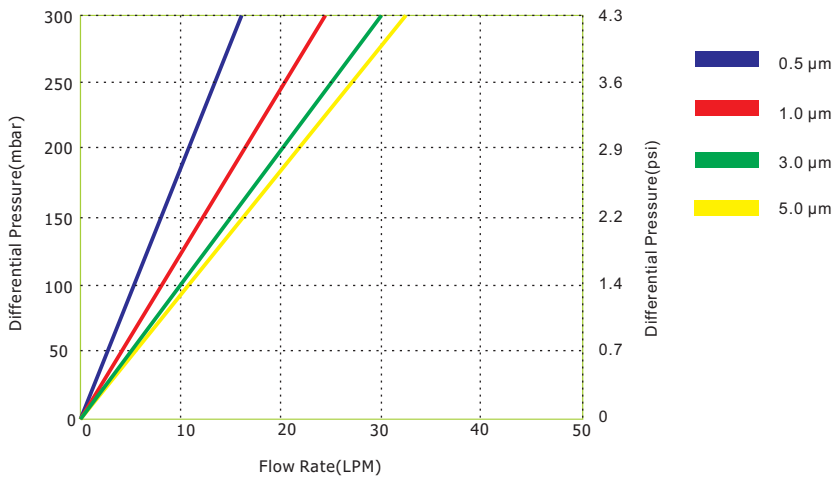
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 °C (185 °F) for 30 minutes.

Bacterial Endotoxins

<0.25 EU/ml as determined by the LAL test

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73.4°F) 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	PF	100	C	10	S	A
Code Grade	Code Media	Code Rating (μm)	Code End Cap Configuration	Code Length (inch)	Code Seal	Code Support
LF Food & Beverage	PF Multi-layer PP	010 0.1	A 222/Fin	05 5	S Silicone	A PP
		022 0.22	B 222/Flat	10 10	E EPDM	B High Temperature Resistant PP
		050 0.5	C 226/Fin	20 20	V Viton	
		100 1.0	D 226/Flat	30 30	T TEV	C PP with Stainless Steel Core
		300 3.0	E DOE	40 40		
		500 5.0				
		01K 10				
		02K 20				

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

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

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

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 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

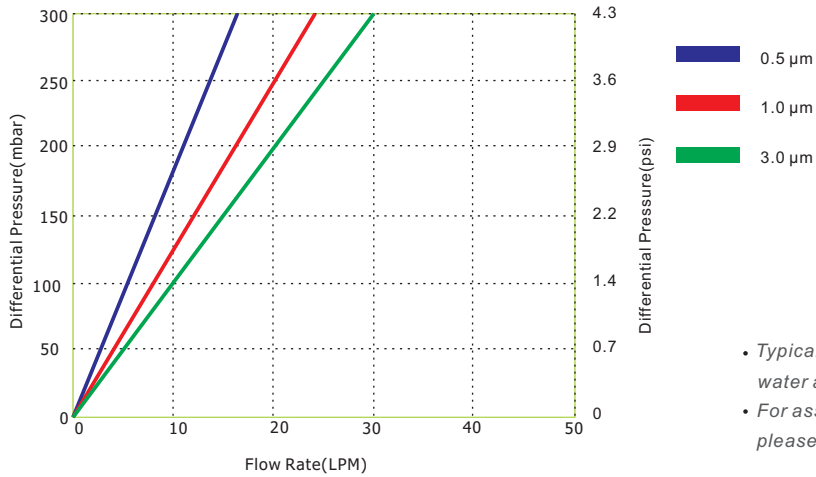
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 °C (185°F) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73. 4°F) 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		AP		100		C		10		S		A	
Code	Grade	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	AP	Absolute PP	010	0.1	A	222/Fin	05	5	S	Silicone	A	PP
				022	0.22	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				050	0.5	C	226/Fin	20	20	V	Viton		
				100	1.0	D	226/Flat	30	30	T	TEV	C	PP with Stainless Steel Core
				300	3.0	E	DOE	40	40				
				500	5.0								
				01K	10								
				02K	20								

End Cap Code



LBFP

Unique-Structure PP Filter Cartridge for Beer Filtration



Description

LBFP filter cartridges are characterised by ultra-fine polypropylene filter material especially designed and qualified for the brewing industry for secure and reliable removal of yeast cells. Their unique structures can offer high flow rates, high dirt-holding capacity and long service life.

Features and Benefits

- Superior dirt-holding capacity
- High flow rates and long service life
- Absolute retention of particulates
- Broad chemical compatibility
- No side seam and safety
- Ideal for removing yeast and reducing bacteria in beer filtration

Quality

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

Application

- Removing yeast cell in beer filtration



Specification

Materials of Construction

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

Dimensions

<i>Diameter</i>	Φ70mm
<i>Length</i>	10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥4.2 per 10-inch cartridges

Pore Size, μm

0.45, 0.65

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

Saccharomyces cerevisiae Removal Efficiency (%)

<i>0.45 μm</i>	LRV>5
<i>0.65 μm</i>	LRV>5

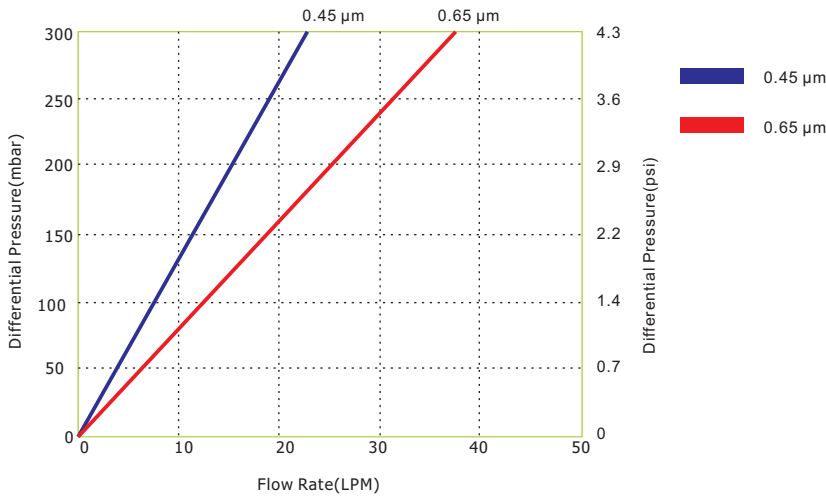
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85 °C (185°F) for 30 minutes.

Bacterial Endotoxins

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

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73.4°F) 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.

LBF		P		065		C		30		S		B	
Code	Grade	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LBF	Beer	P	PP	045	0.45	A	222/Fin	10	10	S	Silicone	A	PP
				065	0.65	B	222/Flat	20	20			B	High Temperature Resistant PP
						C	226/Fin	30	30				
						D	226/Flat	40	40				
						E	DOE					C	PP with Stainless Steel Core

End Cap Code



LFGF

Glass Fiber Filter Cartridge



Description

LFGF filter cartridges are adsorptive depth filters, designed for removing colloidal and viscous liquids in the Food & Beverage Industry. They are used for protection of membrane filters in wine and beer filtration processes. Besides, they are also ideal for venting applications by removal of particles from the air stream, extending the service life of sterilizing-grade air filters.

Features and Benefits

- Superior dirt-holding capacity
- High throughputs and high adsorption
- Reliable retention of particulates
- Cost-effective and long service life
- High flow rates at low pressure drop
- Ideal for colloidal and viscous liquids prefiltration

Quality

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

Application

- Prefiltration before terminal gas filtration
- Classification and prefiltration for viscous and colloidal liquids
- Classification for wine and other viscous drinks



Specification

Materials of Construction

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

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥4.0 per 10-inch cartridge

Pore Size, μm

0.45, 1.0

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

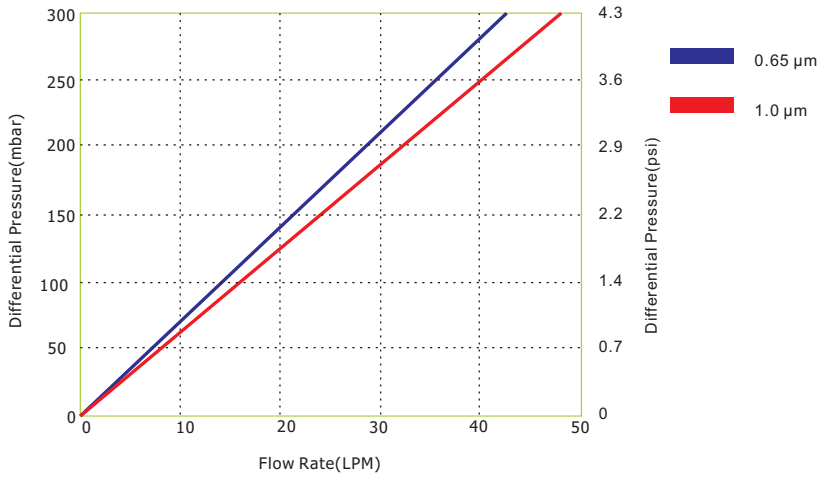
Sanitization

May be hot water sanitized for 30 cycles using purified water at 85°C(185°F) for 30 minutes.

Bacterial Endotoxins

< 0.25 EU/ml as determined by the LAL test

Typical Liquid Flow Rate @ 23°C(73.4°F)



- Typical initial clean media ΔP ; water at 23 °C (73.4°F) 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.

Code	Grade	Code	Media	Code	Rating (μm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	GF	Glass Fiber	045	0.45	A	222/Fin	05	5	S	Silicone	A	PP
				100	1.0	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
						C	226/Fin	20	20	V	Viton		
						D	226/Flat	30	30			C	PP with Stainless Steel Core
						E	DOE	40	40				

End Cap Code



LFC

Activated Carbon Fiber Filter Cartridge



Description

LFC filter cartridges are manufactured from activated carbon fiber and polypropylene components, developed for decolorization, deodorization and unwanted adsorption. They can provide high flow rates at low pressure drops, non-toxic substance releasing and convenience for use. In addition, they are economical alternative to granular activated carbon cartridges.

Features and Benefits

- Great flux and high adsorption ability
- No hazardous substances releasing
- Resistant to acids and bases
- Easy to regenerate

Quality

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

Application

- Decolouring and particle removal for liquor
- Filtration, decolouring and deodorizing for water treatment
- DI and RO pretreatment
- Chlorine removal for water
- Clarification and prefiltration during food process
- Economical alternative to granular activated carbon cartridges before reverse osmosis



Specification

Materials of Construction

<i>Filter Media</i>	Activated Carbon Fiber (ACF)
<i>Support and Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	Φ68mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Filtration Area, ft²

≥5.4 per 10-inch cartridge

Pore Size, μm

1.0, 3.0, 5.0

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C (60.9psi@73.4°F); 1.5 bar @ 85 °C (21.7psi@185°F)

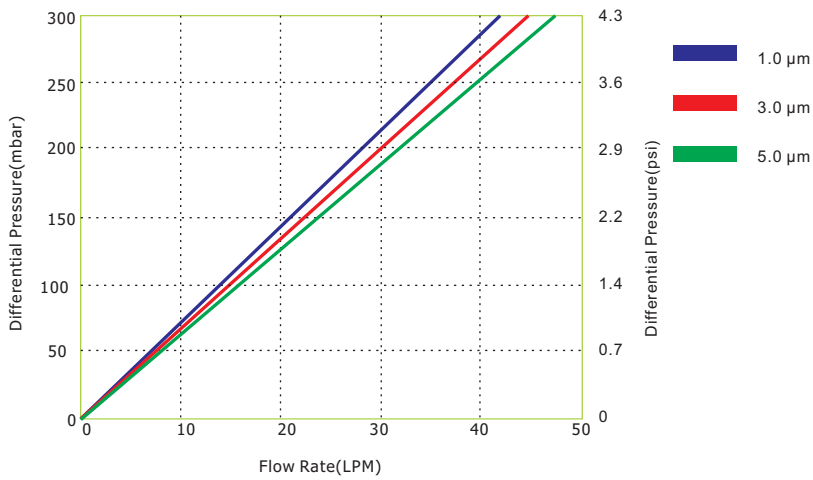
Sanitization

May be hot water sanitized for 15 cycles using purified water at 85°C(185°F) for 30 minutes.

Bacterial Endotoxins

<0.25 EU/ml as determined by the LAL test

Typical Liquid Flow Rate @ 23°C (73.4°F)



- Typical initial clean media ΔP ;
water at 23 °C (73.4°F) 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		C		500		C		10		S		A	
Code	Grade	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support
LF	Food & Beverage	C	Activated Carbon Fiber	100	1.0	A	222/Fin	05	5	S	Silicone	A	PP
				300	3.0	B	222/Flat	10	10	E	EPDM	B	High Temperature Resistant PP
				500	5.0	C	226/Fin	20	20	V	Viton	C	PP with Stainless Steel Core
						D	226/Flat	30	30				
						E	DOE	40	40				

End Cap Code



L5F

φ56 Filter Cartridge



Description

L5F filter cartridges, single open end with 56 mm O.D., are available in a variety of materials: PP/PES/PTFE/MCE/Nylon /Glass Fiber.

There exist two types of connections: one with a single internal O-ring seal contained in the outlet end cap(that is the 116 inside type in the ordering information) is used in small flow applications; the other one with a special flange that incorporates a special seal to eliminate fluid bypass from the upstream to the downstream side of the filter, the housing elastomeric O-ring is placed on a special flange, which is an integral part of the element outlet end cap.

These filter cartridges provide effective particle removal and the most cost-effective solution for applications within the food and beverage industry.

Features and Benefits

- Eco-friendly
- High flow rates
- Broad chemical compatibility

Quality

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

Application

- For small flow filtration applications in food&beverage industry



Specification

Materials of Construction

<i>Filter Media</i>	PP/PTFE/PES/Nylon/MCE/Glass Fiber
<i>Support and Drainage</i>	PP
<i>Core, Cage</i>	PP
<i>End Caps</i>	PP
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/No O-ring
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	Φ56mm
<i>Length</i>	2.5 inch, 5 inch

Filtration Area, ft²

<i>2.5-inch</i>	≥ 1.1
<i>5.0-inch</i>	≥ 2.2

Pore Size, μm

Please refer to Ordering Information

Maximum Differential Pressure

Forward: 4.2 bar @ 23 °C(60.9psi@73.4°F); 1.5 bar @ 85 °C(21.7psi@185°F)

Bacterial Endotoxins

<0.25 EU/ml as determined by the LAL test

Notes: For more information on specification and application, please refer to cartridges with the same filter materials.

Ordering Information

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

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

L5F		P		022		G		050		S		B	
Code	Grade	Code	Media	Code	Rating (μm)	Code	Connection	Code	Length (inch)	Code	Seal	Code	Support
L5F	Food & Beverage	P	PP	001	0.01 (for air)	G	116(inside)	025	2.5	S	Silicone	A	PP
		TA	Hydrophobic PTFE for Air	022	0.22	T	Special Flange	050	5	E	EPDM	B	High Temperature Resistant PP
				045	0.45					V	Viton	C	PP with Stainless Steel Core
				100	1.0					-	No O-Ring		
				300	3.0								
				500	5.0								

High Flow Bag Filter Cartridge



Description

High flow bag filter cartridges, made of superior materials, have both the advantages of cartridges' efficiency and compact and bags' convenience. They are more cost-effective when it comes to filtration for high flow rates and long service life.

Features and Benefits

- Graded pore structure
- High dirt-holding capacity and high flow rates
- Easy to use and long service life
- Good mechanical strength
- The inside-out flow direction ensures all the unwanted retained inside the cartridge
- Available to fit most 1# and 2# bag housing with no hardware changes

Quality

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

Application

- Security filtration for Reverse osmosis
- Desalination
- Filtration for condensate water in power plant
- Filtration for organic solvents and water
- Filtration for paints and dyes



Specification

Materials of Construction

Filter Media	PP
Support & Drainage	PP
Core, Cage	PP
End Caps	PP
O-rings/Gasket	EPDM/NBR

Dimensions

Diameter	Φ152mm
Length	20" (405mm): replace for 1# bag 40" (785mm): replace for 2# bag

Filtration Area, ft²

20"	≥ 22.6
40"	≥ 44.1

Pore Size, μm

0.5, 1.0, 3.0, 5.0, 10, 20, 40, 70, 100, 120

Flow Rate, M³/h

20"	11~29
40"	22~55

Maximum Differential Pressure

Maximum Operating Temperature	60 °C (140°F)
Maximum Differential Pressure	3.4bar@60 °C (49.3psi@140°F) (from inside to outside)
Recommended Change-out Differential Pressure	2.4bar@20 °C (34.8psi@68°F) (from inside to outside)

Sanitization

May be hot water sanitized using purified water at 85°C (185°F) for 30 minutes.

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.

L		15HF		P		100		E		10		E T	
Code	Type	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal		
15HF	15HF	P	PP	010	0.1	A	222/Fin	20	20	E	EPDM		
15RHF	15RHF			020	0.2	B	222/Flat	40	40	S	Silicone		
15MHF	15MHF			045	0.45	C	226/Fin	60	60				
				100	1.0	D	226/Flat						
				120	1.2	E	DOE						
				200	2.0								
				300	3.0								
				450	4.5								
				01K	10								
				02K	20								
				03K	30								
				04K	40								

End Cap Code



RP

Melt-blown Filter Cartridge



Description

RP series melt-blown filter cartridge is made of 100% PP fiber with graded pore structure. They can provide high dirt holding capacity, low pressure drop, high flow rate, good chemical resistance, no fiber release, long service life and effective particle removal, thus they are the most cost-effective solutions for applications in the Microelectronic Industry.

Features and Benefits

- Graded pore structure and high dirt-holding capacity
- Good mechanical resistance
- High filtration efficiency and consistent performance
- Safety polypropylene material used have a lot of demanding applications

Quality

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

Application

- Pre-RO
- Drinking water
- General water for industrial use
- Electroplating bath solution
- Chemicals and Organic solvents
- Developer
- Printing inks
- Prefiltration for pure water production



Specification

Materials of Construction

<i>Filter Media</i>	Polypropylene Superfine Fiber
<i>Core, Cage</i>	PP/No core
<i>End Caps</i>	PP/No caps
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/TEV
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Outside Diameter</i>	63mm~115mm
<i>Inside Diameter</i>	28mm, 30mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Removal Rating, μm

0.5, 1.0, 3.0, 5.0, 10, 20, 30, 50, 100, 200

Maximum Operating Temperature

60 °C

Maximum Forward Differential Pressure

2.0 bar @ 23 °C

Ordering Information

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

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

R		65		P		100		E		20		S		Y T	
Code	Outside Diameter (mm)	Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support		
65	65	P	PP	020	0.2	A	222/Fin	05	5	S	Silicone	Y	YES		
11	110			045	0.45	B	222/Flat	10	10	E	EPDM	N	NO		
				050	0.5	C	226/Fin	20	20	V	Viton				
				100	1.0	D	226/Flat	30	30	T	TEV				
				300	3.0	E	DOE	40	40	-	No O-Ring				
				500	5.0										
				01K	10										
				02K	20										
				03K	30										
				05K	50										
				10K	100										

End Cap Code



WP

String Wound Filter Cartridge



Description

WC/WP/WB series string wound filter cartridges are manufactured using a high speed, continuous wind process which creates a superior one-piece filter with hundreds of diamond shaped tunnels that get progressively smaller from the outer diameter to the core, and structured loose outer layers and tight inner layers which can offer true depth filtration for high dirt holding capacity and extremely low media migration. Cartridges are available in a variety of media (cotton, polypropylene and glass fiber) and core configurations (PP and stainless steel), widely used for the filtration of suspended particles, sediments and other kinds of impurities in the microelectronic industry.

Features and Benefits

- Graded pore structure and high dirt holding capacity
- Low pressure drop and long service life
- Fits into all the standard housings
- Broad chemical compatibility

Quality

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

Application

- Pre-RO
- Drinking water
- General water for industrial use
- Electroplating bath solution
- Chemicals and Organic solvents
- Developer
- Printing inks
- Prefiltration for pure water production



Specification

Materials of Construction

<i>Filter Media</i>	Cotton/Polypropylene/Glass Fiber
<i>Core</i>	PP/Stainless steel
<i>End Caps</i>	PP/Stainless steel
<i>O-rings/Gasket</i>	Silicone/EPDM/Viton/TEV
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Outside Diameter</i>	63mm~115mm
<i>Inside Diameter</i>	28mm, 30mm
<i>Length</i>	5 inch, 10 inch, 20 inch, 30 inch, 40 inch

Removal Rating, μm

0.2, 0.45, 0.5, 1.0, 3.0, 5.0, 10, 20, 30, 50, 100

Maximum Operating Temperature

Filter media	PP core	Stainless steel core
Cotton	60 °C	120 °C
Polypropylene	60 °C	90 °C
Glass fiber	60 °C	400 °C

Maximum Forward Differential Pressure

2.0 bar @ 23 °C

Ordering Information

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

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

W		P		100		E		20		S		P	
Code	Media	Code	Rating (µm)	Code	End Cap Configuration	Code	Length (inch)	Code	Seal	Code	Support		
C	Absorbent Cotton	020	0.2	A	222/Fin	10	10	S	Silicone	P	PP		
		045	0.45	B	222/Flat	20	20	E	EPDM	S	Stainless Steel		
P	PP	050	0.5	C	226/Fin	30	30	V	Viton				
B	GF	100	1.0	D	226/Flat	40	40	T	TEV				
		300	3.0	E	DOE			-	No O-Ring				
		500	5.0										
		01K	10										
		02K	20										
		03K	30										
		05K	50										
		10K	100										

End Cap Code



LM

Stainless Steel Filter Cartridge



Description

Manufactured with 5 layers of sintered stainless steel mesh, sintered by imported 316L stainless steel mesh. This filter has superior property of high pressure resistance, high temperature resistance and high corrosive resistance, can be regenerated by re-flushing and improve the using life. Especially suitable for the high viscous and corrosive processing liquid.

Features

- Long service life
- Good chemical resistance.
- Strong mechanical strength and easy to regenerate

Application

- Steam filtration
- Corrosive liquid filtration
- High temperature and high pressure liquid or air filtration
- Viscous liquid filtration
- Liquid decarburization filtration
- Oxidized liquid filtration



Parameters

Ratings

2.0/5.0/10/15/20/35/60/100μm

Working temperature

≤ 480°C

MT

Titanium Filter



Description

Molded from the titanium powder and sintered in high temperature, thus the surface particles are not easy to fall off, can be used in the air with temperature of 500-600 °C, Widely used in most of corrosive media, with the advantage of uniform pore size distribution, large pollutants holding and easy to regeneration.

Features

- Corrosion resistance, high temperature resistance.
- Good strength, excellent filter performance.
- Good mechanical properties, easy to regenerate.
- Large porosity, high flow rate.

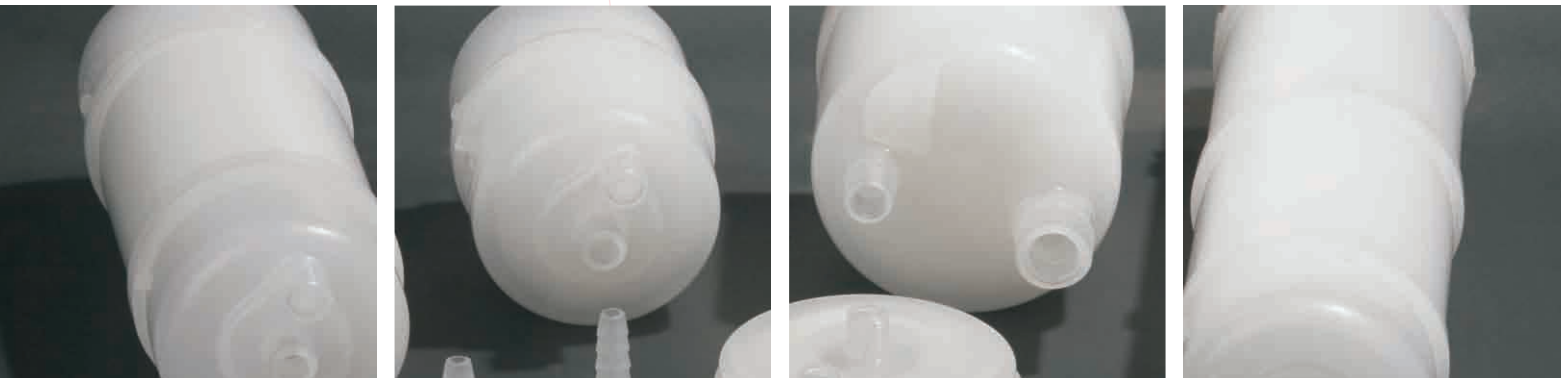
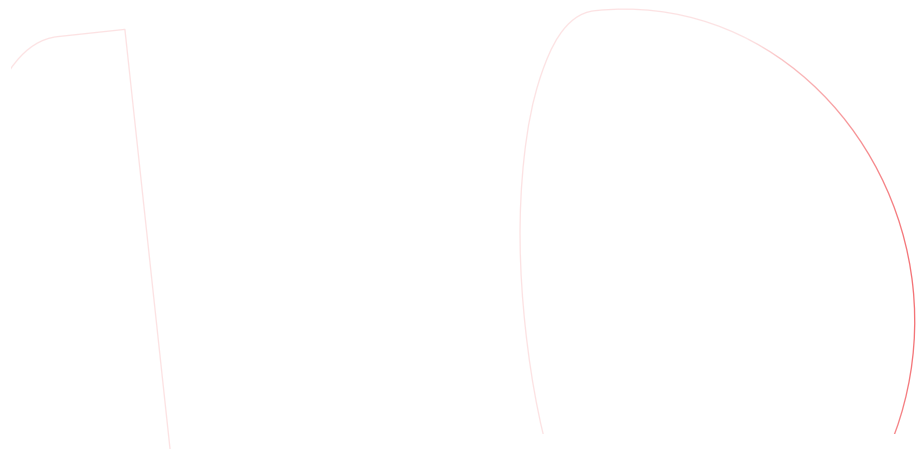
Application

- Decarburization of liquid
- Ozone water filtration
- Steam filtration
- Chemical solvents filtration





CAPSULE FILTERS



CHF

Hose Barb Capsule Filter



Features and Benefits

- Eco-friendly and cost-effective
- Smart, disposable and safe
- Low hold-up volume
- Good mechanical strength

Quality

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

Application

- Filtration for beverage, wine, beer and other drinks
- Filtration for water
- Filtration for gas and air



Specification

Materials of Construction

<i>Filter Media</i>	PP/PTFE/MCE/PES/Nylon /Glass Fiber
<i>Support & Housing</i>	PP
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Filtration Area, ft²

≥ 2.2

Pore Size, μm

Please refer to Ordering Information

Maximum Differential Pressure

Forward: 3.5 bar @ 23°C(50.7psi@73.4°F) and
3.0 bar @ 60°C(43.5psi@140°F) for liquid;
3.0 bar @ 23°C(43.5psi@73.4°F) and
2.5 bar @ 60°C(36.2psi@140°F) for gas & air.

Sanitization

3 autoclave cycles of 30 minutes at 123 °C(253.4°F) ; steam-in-place sterilization is not recommended.

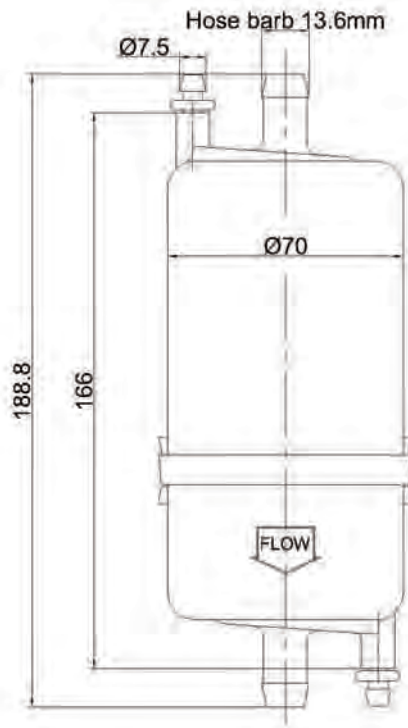
For more information on specification and application, please refer to cartridges with the same membrane.

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.

CHF		S		022		DS		5	
Code	Grade	Code	Membrane	Code	Rating (µm)	Code	Connection	Code	Length (inch)
CHF	Food&Beverage	S	PES	001	0.01 (for Air)	DS	Inlet/Outlet: 13.6mm Vent/Drain: 7.5mm With Silicone	5	5
		NN	Nylon	010	0.1	DE	Inlet/Outlet: 13.6mm Vent/Drain: 7.5mm With EPDM		
		TA	Hydrophobic PTFE for Air	022	0.22				
				045	0.45				
		M	Hydrophilic MCE	100	1.0				
				300	3.0				
		TL	Hydrophilic PTFE	500	5.0				
		T	Hydrophobic PTFE						
		P	PP						
		GF	Glass Fiber						



CNF

1/4" NPT Capsule Filter



Features and Benefits

- Eco-friendly and cost-effective
- Smart, disposable and safe
- Low hold-up volume

Quality

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

Application

- Filtration for beverage, wine, beer and other drinks
- Filtration for water
- Filtration for gas and air



Specification

Materials of Construction

<i>Filter Media</i>	PP/PTFE/MCE/PES/Nylon /Glass Fiber
<i>Support & Housing</i>	PP
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Dimensions

<i>Diameter</i>	Φ67mm
<i>Length</i>	2.5-inch, 5-inch, 10-inch
<i>Inlet/Outlet</i>	1/4" NPT
<i>Vent/Drainage</i>	1/8" NPT

Filtration Area, ft²

<i>2.5-inch</i>	≥ 1.1
<i>5-inch</i>	≥ 2.2
<i>10-inch</i>	≥ 3.4

Pore Size, μm

Please refer to Ordering Information

Maximum Differential Pressure

Forward: 3.5 bar @ 23°C(50.7psi@73.4°F) and
3.0 bar @ 60°C(43.5psi@140°F) for liquid;
3.0 bar @ 23°C(43.5psi@73.4°F) and
2.5 bar @ 60°C(36.2psi@140°F) for gas & air.

Sanitization

3 autoclave cycles of 30 minutes at 123 °C(253.4°F); steam-in-place sterilization is not recommended.

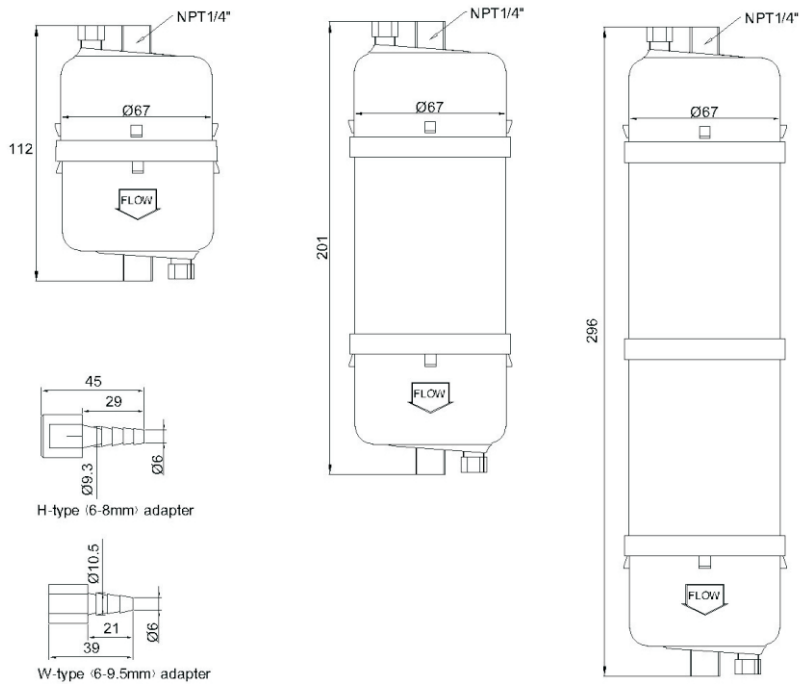
For more information on specification and application, please refer to cartridges with the same membrane.

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.

CNF		S		022		DS		5	
Code	Grade	Code	Membrane	Code	Rating (μm)	Code	Connection	Code	Length (inch)
CNF	Food&Beverage	S	PES	001	0.01(for Air)	B	Inlet/Outlet: 1/4"MNPT Vent/Drain: 1/8"MNPT	2	2.5
		NN	Nylon	010	0.1			5	5
		TA	Hydrophobic PTFE for Air	022	0.22			9	10
		TL	Hydrophilic PTFE	045	0.45	BHS	B type connection H type for pipe thread connection adapter Silicone O-ring		
		T	Hydrophobic PTFE	100	1.0				
		M	Hydrophilic MCE	300	3.0	BHE	B type connection H type for pipe thread connection adapter EPDM O-ring		
		P	PP	500	5.0				
		AP	Absolute PP			BWS	B type connection W type for pipe thread connection adapter Silicone O-ring		
		PF	Multi-layer PP						
		GF	Glass Fiber			BWE	B type connection W type for pipe thread connection adapter EPDM O-ring		



CTF

Tri-Clamp Capsule Filter



Features and Benefits

- Eco-friendly and cost-effective
- Smart, disposable and safe
- Low hold-up volume
- Good resistance to pressure

Quality

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

Application

- Filtration for beverage, wine, beer and other drinks
- Filtration for water
- Filtration for gas and air



Specification

Materials of Construction

<i>Filter Media</i>	PP/PTFE/MCE/PES/Nylon /Glass Fiber
<i>Support & Housing</i>	PP
<i>Sealing technology</i>	Thermal Bonding, No Adhesives

Filtration Area, ft²

≥ 2.2

Pore Size, µm

Please refer to Ordering Information

Maximum Differential Pressure

Forward: 3.5 bar @ 23°C (50.7psi@73.4°F) and
3.0 bar @ 60°C (43.5psi@140°F) for liquid;
3.0 bar @ 23°C (43.5psi@73.4°F) and
2.5 bar @ 60°C (36.2psi@140°F) for gas & air.

Sanitization

3 autoclave cycles of 30 minutes at 123 °C (253.4°F); steam-in-place sterilization is not recommended.

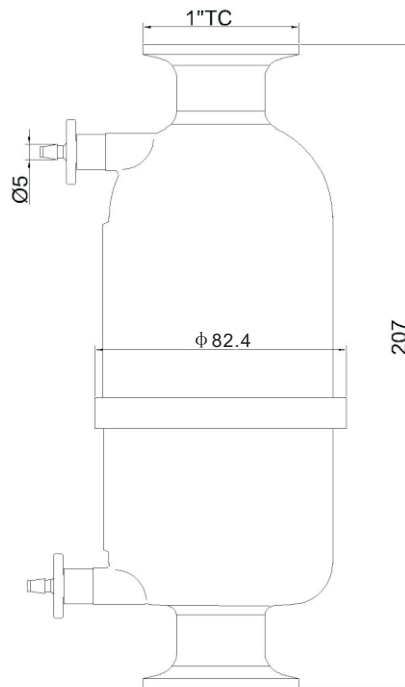
For more information on specification and application, please refer to cartridges with the same membrane.

Ordering Information

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

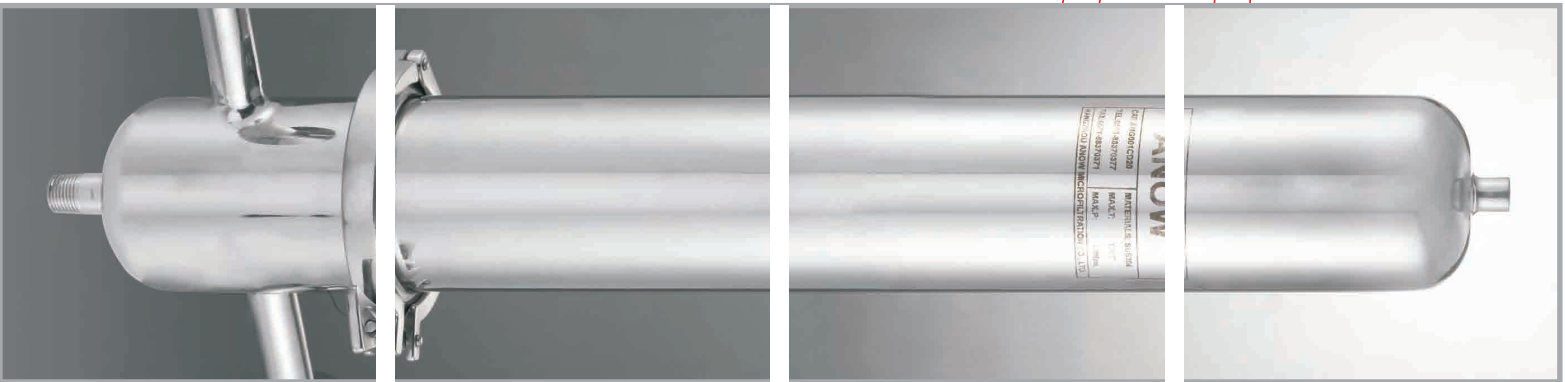
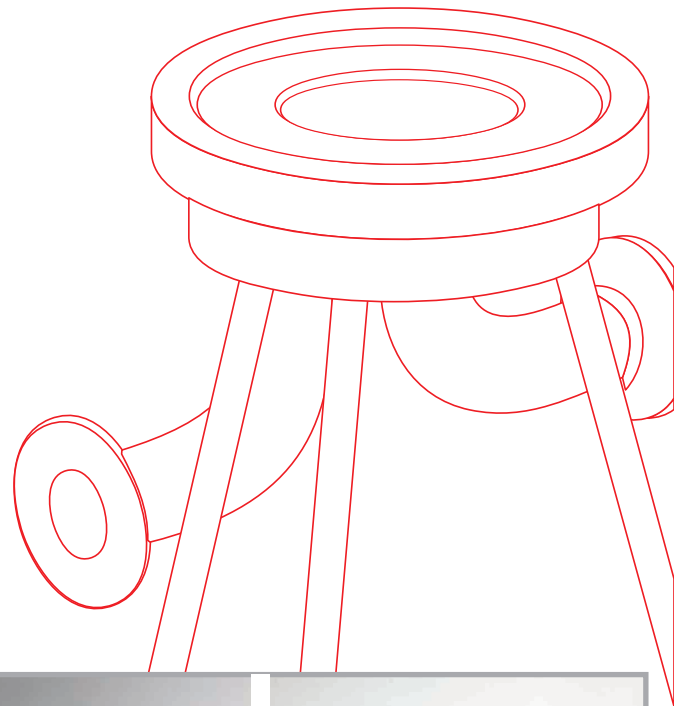
For availability of specific options and housing details, please contact ANOW.

CTF		S		022		FS		5	
Code	Grade	Code	Membrane	Code	Rating (µm)	Code	Connection	Code	Length (inch)
CTF	Food&Beverage	S	PES	001	0.01 (for Air)	FS	Inlet:Tri-clamp Outlet:Tri-clamp Drainage: Silicone	5	5
		NN	Nylon	010	0.1			10	10
		TL	Hydrophilic PTFE	022	0.22	FE	Inlet:Tri-clamp Outlet:Tri-clamp Drainage: EPDM		
		TA	Hydrophobic PTFE for Air	045	0.45				
		T	Hydrophobic PTFE	100	1.0				
				300	3.0				
				500	5.0				
		P	PP						
		GF	Glass Fiber						
		M	Hydrophilic MCE						





FILTER HOUSINGS



HY Series

Single-Round Filter Housings for Sanitary Liquid Filtration



Description

HY Series sanitary housings are designed specially for liquid filtration in the Food & Beverage industry.

- All wetted metal surfaces are constructed of stainless steel and are polished, providing excellent durability and maximum corrosion resistance.
- The housing features low absorption, easy-to-clean vents, drains, and connections, allowing complete sterilization. It all has no shedding and no leakage and good heat-resistance.
- The housing is suitable for CIP and SIP.

Application

- For sanitary liquid filtration.

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.

Code	Filter Type	Code	Housing Material	Code	Capacity	Code	Connection	Code	Length (inch)	Code	Seal	Code	Inlet Outlet	Code	Inlet/Outlet Connection Size
HY	For Liquid	C	SUS304	001	1	C	226/Fin	05	5	E	EPDM	K	Tri-Clamp	20	DN 20
		D	SUS316L			A	222/Fin	10	10	S	Silicone	H	Union	25	DN 25
						E	DOE	20	20	V	Viton				
								30	30						

Specification

Materials of Construction

Housing	316L/304 Stainless Steel
Clamp	304 Stainless Steel
Seal	Silicone/EPDM/Viton

Cartridge Capacity

1-round

Connections

Inlet/Outlet	TC/Union
Gauge Port	1.5" TC
Cartridge	222/Fin, 226/Fin, DOE
Dome to Base	4" Gasket
Vent/Drain	1/2" TC/Sanitary Valve With Hosebarb

Maximum Operating Conditions

Minimum/Maximum Operating Pressure	-1 to 6 bar (-14.5 to 87.0 psi)
Maximum Operating Temperature	140°C (284°F)

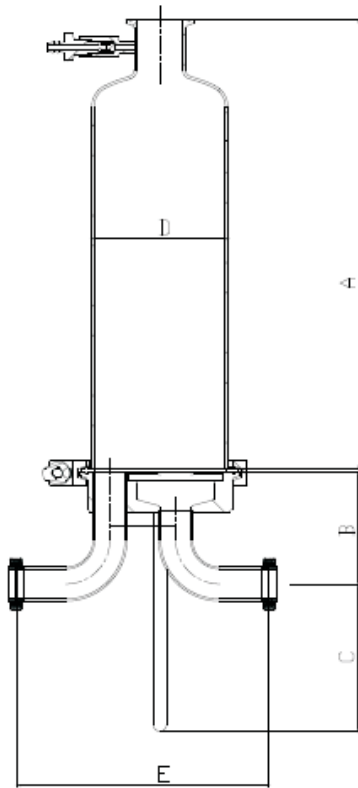
Surface Finish

< 0.8 micron Ra (≤ 32 Ra microinches)

Note: For more details or specific dimensions and connections, please contact ANOW.

Nominal Dimensions in mm(inches) - for specific dimensions, please contact ANOW.

Code	Cartridge Height	A	B	C	D	E
05	127(5)	223(8.8)	84(3.3)	110(4.3)	102(4.0)	200(7.9)
10	254(10)	348(13.7)	84(3.3)	110(4.3)	102(4.0)	200(7.9)
20	508(20)	598(23.5)	84(3.3)	110(4.3)	102(4.0)	200(7.9)
30	762(30)	848(33.4)	84(3.3)	110(4.3)	102(4.0)	200(7.9)



HY Series

Multi-Round Filter Housings for Sanitary Liquid Filtration



Description

HY Series sanitary housings are designed specially for liquid filtration in the Food & Beverage industry.

- All wetted metal surfaces are constructed of stainless steel and are polished, providing excellent durability and maximum corrosion resistance.
- The housing features low absorption, easy-to-clean vents, drains, and connections, allowing complete sterilization. It all has no shedding and no leakage and good heat-resistance.
- The housing is suitable for CIP and SIP.

Application

- For sanitary liquid filtration.

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.



Specification

Materials of Construction

Housing	316L/304 Stainless Steel
Clamp	304 Stainless Steel
Seal	Silicone/EPDM/Viton

Cartridge Capacity

3-round, 5-round, ...

Connections

Inlet/Outlet	TC/Union/Flange
Gauge Port	1.5" TC
Cartridge	222/Fin, 226/Fin, DOE
Vent	1/2" TC/Sanitary Valve With Hosebarb

Maximum Operating Conditions

Minimum/Maximum Operating Pressure	-1 to 6 bar (-14.5 to 87.0 psi)
Maximum Operating Temperature	140°C (284°F)

Surface Finish

< 0.8 micron Ra (≤ 32 Ra microinches)

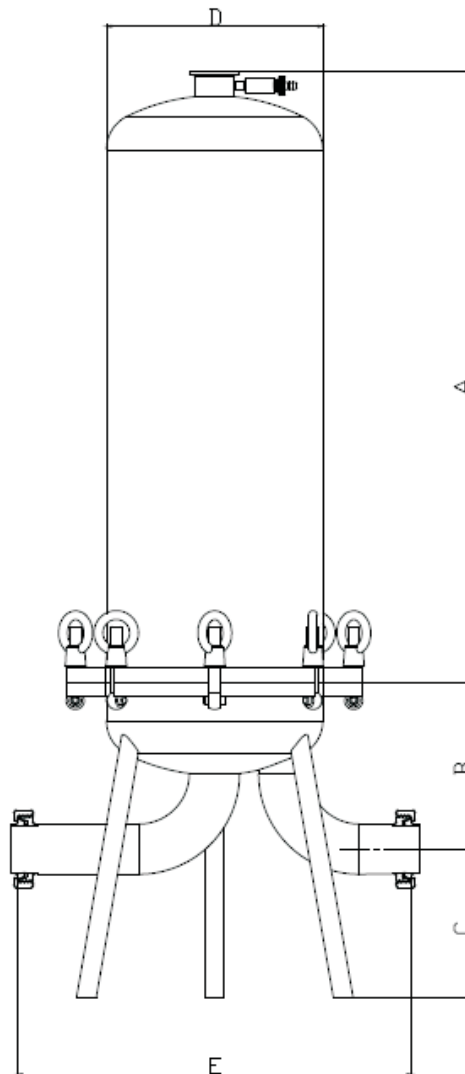
Note: For more details or specific dimensions and connections, please contact ANOW.

Code	Filter Type	Code	Housing Material	Code	Capacity	Code	Connection	Code	Length (inch)	Code	Seal	Code	Inlet/Outlet	Code	Inlet/Outlet Connection Size
HY	For Liquid	C	SUS304	003	3	C	226/Fin	10	10	E	EPDM	K	Tri-Clamp	25	DN 25
		D	SUS316L	005	5	A	222/Fin	20	20	S	Silicone	F	Flange	38	DN 38
				007	7	E	DOE	30	30	V	Viton	H	Union	40	DN 40
				009	9			40	40					50	DN 50
				011	11									65	DN 65
													

Nominal Dimensions in mm(inches) - for specific dimensions, please contact ANOW.

5-round standard housings

Code	Cartridge Height	A	B	C	D	E
10	254(10)	375(14.8)	115(4.5)	150(5.9)	219(8.6)	370(14.6)
20	508(20)	625(24.6)	115(4.5)	150(5.9)	219(8.6)	370(14.6)
30	762(30)	875(34.4)	115(4.5)	150(5.9)	219(8.6)	370(14.6)
40	1016(40)	1120(44.1)	115(4.5)	150(5.9)	219(8.6)	370(14.6)



HK Series

Stainless Steel Filter Housings for Gas&Air



Description

HK Series sanitary housings are designed and engineered specially for gas&air filtration in the Food&Beverage industry.

- All wetted metal surfaces are constructed of stainless steel, providing excellent durability and maximum corrosion resistance.
- The housing features low absorption, easy-to-clean vents, drains, and connections, allowing complete sterilization. It all has no shedding and no leakage and good heat-resistance.
- The in-line flow pattern of HK series housings ensures minimized pressure drop and user-friendly filter cartridge change-outs. They can be equipped with a variety of gas&air filter cartridges to address the various needs of the industry, efficiently protecting product and processes from airborne contamination.

Application

- Sterile tank venting
- Sterile gas filtration



Specification

Materials of Construction

<i>Housing</i>	316L/304 Stainless Steel
<i>Clamp</i>	304 Stainless Steel
<i>Seal</i>	Silicone/EPDM/Viton

Cartridge Capacity

1-round, 3-round, ...

Connections

<i>Inlet/Outlet</i>	TC/Union/Flange
<i>Bowl to Head</i>	TC/Union/Flange
<i>Gauge Port</i>	TC/Thread
<i>Cartridge</i>	222/Fin, 226/Fin, DOE
<i>Dome to Base</i>	4" Gasket
<i>Drain</i>	TC/Thread

Maximum Operating Conditions

<i>Minimum/Maximum Operating Pressure</i>	-1 to 6 bar (-14.5 to 87.0 psi)
<i>Maximum Operating Temperature</i>	140°C (284°F)

Surface Finish

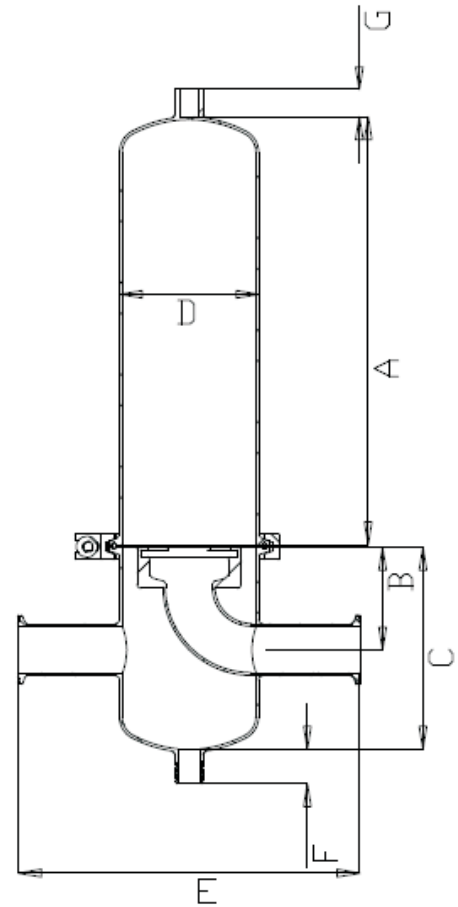
< 0.8 micron Ra (≤ 32 Ra microinches)

Note: For more details or specific dimensions and connections, please contact ANOW.

Nominal Dimensions in mm(inches) - for specific dimensions, please contact ANOW.

single-round standard housings

Code	Cartridge Height	A	B	C	D	E	F	G
05	127(5)	185(7.3)	75(3.0)	158(6.2)	101.6(4.0)	250(9.8)	20(0.8)	20(0.8)
10	254(10)	310(12.2)	75(3.0)	158(6.2)	101.6(4.0)	250(9.8)	20(0.8)	20(0.8)
20	508(20)	560(22.0)	75(3.0)	158(6.2)	101.6(4.0)	250(9.8)	20(0.8)	20(0.8)
30	762(30)	810(31.9)	75(3.0)	158(6.2)	101.6(4.0)	250(9.8)	20(0.8)	20(0.8)
40	1016(40)	1060(41.7)	75(3.0)	158(6.2)	101.6(4.0)	250(9.8)	20(0.8)	20(0.8)



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.

Code	Filter Type	Code	Housing Material	Code	Capacity	Code	Connection	Code	Length (inch)	Code	Seal	Code	Inlet/Outlet	Code	Inlet/Outlet Connection Size
HK	For Gas & Air	C	SUS304	001	1	C	226/Fin	05	5	E	EPDM	K	Tri-Clamp	20	DN 20
		D	SUS316L	003	3	A	222/Flat	10	10	S	Silicone	F	Flange	25	DN 25
				005	5	E	DOE	20	20	V	Viton	H	Union		
				007	7			30	30						
				009	9			40	40						
				011	11										

HG Series

Sanitary In-Line Liquid and Gas Filter Housings



Description

The HG series housings are advanced sanitary in-line filter housings for liquid and gas applications, specially designed and engineered for today's manufacturing processes, to meet the requirements of the Food&Beverage industry.

- All wetted metal surfaces are constructed of stainless steel and are polished, providing excellent durability and maximum corrosion resistance.
- The housing features low absorption, easy-to-clean vents, drains, and connections, allowing complete sterilization. It all has no shedding and no leakage and good heat-resistance.
- The housing has no dead legs, and low hold-up volumes for maximum product recovery.
- Ideal for CIP and SIP.

Application

- For liquid and gas filtration.

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.

Code	Filter Type	Code	Housing Material	Code	Capacity	Code	Capacity Connection	Code	Capacity Length (inch)	Code	Seal	Code	Inlet/Outlet Connection	Code	Inlet/Outlet Connection Size
HG		D	SUS304	001	1	A	222/Fin	10	5	S	EPDM	K	Tri-Clamp	25	DN 20
	Pipe Housing	D	SUS316L	003	3	C	226/Fin	10	10	S	Silicone	H	Union	25	DN 25
				005	5			20	20	V	Viton			38	DN 38
				007	7			30	30						
				009	9										
				011	11										



Specification

Materials of Construction

Housing	316L/304 Stainless Steel
Clamp	304 Stainless Steel
Seal	Silicone/EPDM/Viton

Cartridge Capacity

1-round, 3-round, ...

Connections

Inlet/Outlet	TC/Union
Cartridge	222/Fin, 226/Fin, DOE
Dome to Base	4" Gasket
Drain	½" TC/Sanitary Valve With Hosebarb

Maximum Operating Conditions

Minimum/Maximum Operating Pressure	-1 to 6 bar (-14.5 to 87.0 psi)
Maximum Operating Temperature	140°C (284°F)

Surface Finish

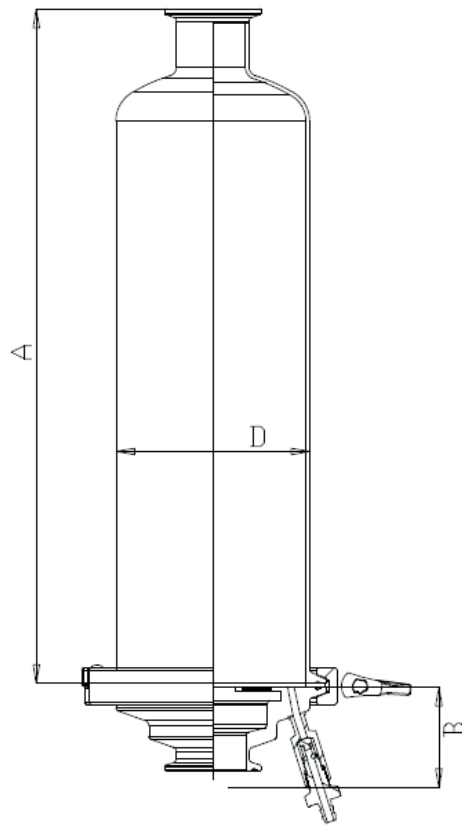
< 0.8 micron Ra (≤ 32 Ra microinches)

Note: For more details or specific dimensions and connections, please contact ANOW.

Nominal Dimensions in mm(inches) - for specific dimensions, please contact ANOW.

single-round standard housings

Code	Cartridge Height	A	B	D
05	127(5)	225(8.9)	44(1.7)	101.6(4.0)
10	254(10)	350(13.8)	44(1.7)	101.6(4.0)
20	508(20)	600(23.6)	44(1.7)	101.6(4.0)
30	762(30)	850(33.5)	44(1.7)	101.6(4.0)



HD Series

Bag Filter Housings and Filter Bags



Description

The HD series bag filter housings are available in single or multibag housings, designed specially to meet the demanding applications in the Food&Beverage industry.

- All are constructed of stainless steel and are polished, providing excellent durability and maximum corrosion resistance.
- The housing features low absorption, easy-to-clean vents, drains, and connections, allowing complete sterilization. It all has no shedding and no leakage and good heat-resistance.

Application

- Kieselgur filtration
- Security filtration before filling
- Active carbon filtration
- Prefiltration for high-throughput water
- Other prefiltration



Housing Specification

Materials of Construction

<i>Housing</i>	316L/304 Stainless Steel
<i>Basket</i>	316L/304 Stainless Steel
<i>Clamp</i>	304 Stainless Steel
<i>Seal</i>	Silicone/Viton/EPDM/TEV

Connections

<i>Inlet/Outlet</i>	Tri-Clamp / Flange/Union
<i>Gauge Port</i>	Thread

Surface Finish

< 0.8 micron Ra (≤ 32 Ra microinches)

Maximum Operating Conditions

<i>Minimum/Maximum Operating Pressure</i>	0 to 6 bar (0 to 87.0 psi)
<i>Maximum Operating Temperature</i>	140°C (284°F)

Bag Specification

Materials of Construction

PP/PE/Nylon

Dimension(Diameter*Length)

<i>1#</i>	180*430
<i>2#</i>	180*810

Flow Rate, M³/H

<i>1#</i>	5~15
<i>2#</i>	15~30

Maximum Differential Pressure

2.0 bar@23°C(29psi@73.4°F); 1.0 bar@80°C(14.5psi@176°F).

Sanitization

May be hot water sanitized using purified water at 85°C(185°F) for 30 minutes.

Removal Rating, μm

1.0, 3.0, 5.0, 10, 15, 30, 100, 300

Filtration Area, ft²

<i>1#</i>	2.5
<i>2#</i>	4.9

Maximum Operating Temperature

<i>PP</i>	110 °C(230°F)
<i>PE</i>	190 °C(374°F)
<i>Nylon</i>	190 °C(374°F)

Nominal Dimensions in mm(inches) - for specific dimensions, please contact ANOW. 2# bag standard housings

Code	Bag Dimension (Diameter*Length)	A	B	C	D
2#	180(7.1)*810(31.9)	1015(40.0)	200(7.9)	14(0.6)	200(7.9)

Ordering Information

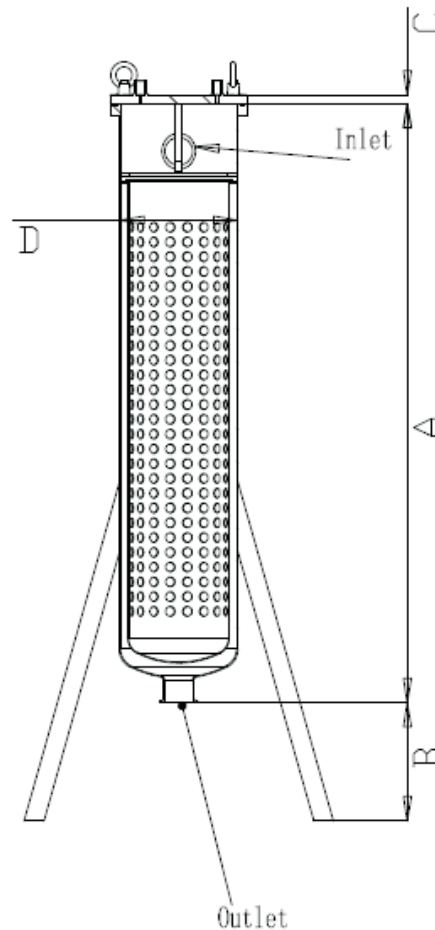
This information is a guide to the Part No. structure and possible options. For availability of specific options and housing details, please contact ANOW.

Bag Filter Housing

HD		C		01		2		K		25	
Code	Housing Material	Code	Capacity	Code	Bag Number	Code	Inlet/Outlet	Code	Inlet/Outlet Connection Size		
C	SUS304	001	1	1	1#	K	Tri-Clamp	15	DN 15		
D	SUS316L	002	2	2	2#	F	Flange	20	DN 20		
		003	3					25	DN 25		
		004	4					38	DN 38		
		005	5					⋮	⋮		
		⋮	⋮								

Filter Bag

B		A		01		P		2		P		WE		NH	
Code	Filter Type	Code	Filter Media	Code	Rating (μm)	Code	Cover	Code	Bag Size	Code	Ring	Code	Processing mode of Ring	Code	Handle
B	Filter Bag	A	Polypropylene	01	1	P	Standard	1	1#	P	PP	WE	Welded	NH	PP
		B	Polyester	03	2			2	2#	S	Stainless Steel	XF	Sewing	NL	Nylon
		G	Nylon Monofilament	05	3									NS	Stainless Steel
				10	10										
				25	25										
				50	50										
				1H	100										



Vent Filter Housing



Description

Vent filter housing is specially applied on the storage tank air filtration. Is made of SUS 316L and SUS 304. Both the internal and outer surface is mirror polished, which gives the housing superior property of corrosion resistance. It's mainly applied in food&beverage industry air sterile filtration when air in the storage tank exchange with outside. Adjust or keep storage tank air pressure balance, make sure the tank in sterile situation, processing safety and stability.



Specification

Materials of Construction

<i>Housing</i>	316L/304 Stainless Steel
<i>Clamps</i>	304 Stainless Steel
<i>Seal</i>	Silicone/ TEV/EPDM

Connections

<i>Inlet/Outlet Connection</i>	Tri-Clamp /Flange
<i>Body Connection</i>	Tri-Clamp /Flange

Operating Temperature

140°C (284°F)

Heating Jacket with Electric Device



Description

- Precise temperature controller, heater and insulation system, manufacture according to GMP specifications.
- Advanced automatic control, enables users to self-regulation and reset the temperature set point .
- Specially designed heating mantle make heat conduction more uniform.
- You can set the lower and upper Temperature limit, it has alarm function once exceed temperature limit .
- Touching the heater external surface is safe.

Application

- By supporting the use of vent housing, to prevent the formation of condensation within the vent housing, affect product and processing safety.

Specification

CODE	Length	Voltage	Power	Working Temperature	The maximum temperature
ANOW-JRHS-5	5"	230 V	400 W	85 °C	200 °C
ANOW-JRHS-10	10"	230 V	700 W	85 °C	200 °C
ANOW-JRHS-20	20"	230 V	1400 W	85 °C	200 °C
The maximum temperature can only be used for special type of filter housings					

Technical Service

Please contact ANOW for more information. And we also provide customized services.

OEM requirement could be also met upon request.

We are available at your convenience.



Food & Beverage

Medical

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Bio-pharmaceutical

Laboratory

Safer Filtration
Greener World

