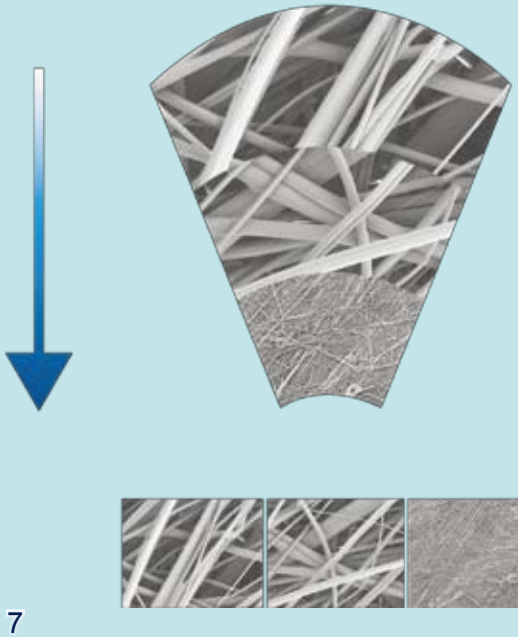
Super gard



Description

EPAM develops the Melt-Blown technology to meet the market requirements for a pure polypropylene depth filter with exceptional dirty-holding capability and performance. The structure of surface is an exceptional value for industry application where long life, low pressure drop and high efficiency required.

Specification

Micron Rating (Nominal Rating):
0.5,1, 3, 5, 10, 25, 50, 75, 100 μm
Material of Construction:
100% Polypropylene Melt-Blown Micro-Denier fiber
Length: 9.87inches, 10inches, 20inches, 30inches, 40inches, 50inches
Outer Diameter:63mm(2.48inches), 69mm(2.72inches), 83mm(3.27inches)
Inner Diameter: 28(1.1inches), 38mm(1.50inches)

Operation Conditions

Maximum operation pressure drop:
1.2 kg/cm²(17 psi) at 80°C(176°F)
2.1 kg/cm²(30 psi) at 60°C(140°F)
4.2 kg/cm²(59 psi) at 20°C(68°F)
Recommended replaceable pressure drop:
2.1 kg/cm²(30psi)
Maximum operation temperature: 80°C(176°F)

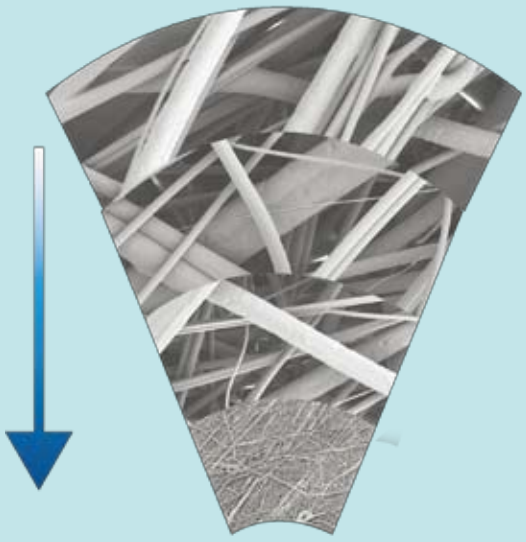
Benefits and Features

Nominal ratings from 0.5 to 100μm
Continuously gradient pore structure increase capacity of dust
Surface fiber fortified to prevent fiber releasing
100% PP for compatibility for a wide range of process fluid
Formed by thermal bond without use any binder and adhesive
High strength and pressure resistance
Certificated by FDA CFR Title 21

Applications of Product

Food & Beverage
Electroplating, etching and image development processes in PCB industry
Filtration of electroplating fluid in conventional electroplating industry
Pre-filter of DI & RO water filtration system for industry
Filtration of medium & low viscosity fluids of chemical

Absolute gard



Description

EPAM develops the Melt-Blown technology to meet the market requirements for a pure polypropylene depth filter with exceptional dirty-holding capability and performance. The structure of surface is an exceptional value for industry application where long life, low pressure drop and high efficiency required.

Specification

Micron Rating (Absolute Rating 99.9%):
1, 3, 5, 10, 25, 50, 75, 100 μm
Material of Construction:
100% Polypropylene Melt-Blown Micro-Denier fiber
Length: 9.87inches, 10inches, 20inches, 30inches, 40inches, 50inches
Outer Diameter: 63mm(2.48inches), 69mm(2.72inches), 83mm(3.27inches)
Inner Diameter: 28mm(1.1inches), 38mm(1.50inches)

Operation Conditions

Maximum operation pressure drop:
1.2 kg/cm²(17 psi) at 80°C(176°F)
2.1 kg/cm²(30 psi) at 60°C(140°F)
4.2 kg/cm²(59 psi) at 20°C(68°F)
Recommended replaceable pressure drop:
2.1 kg/cm²(30psi)
Maximum operation temperature: 80°C(176°F)

Benefits and Features

Absolute ratings from 1 to 100μm
Continuously gradient pore structure increase capacity of dust
Surface fiber fortified to prevent fiber releasing
100% PP for compatibility for a wide range of process fluid
Formed by thermal bond without use any binder and adhesive
High strength and pressure resistance
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Applications of product

Food & Beverage
Electroplating, etching and image development processes in PCB industry
Filtration of electroplating fluid in conventional electroplating industry
Pre-filter of DI & RO water filtration system for industry
Filtration of medium & low viscosity fluids of chemical

Micro clean

Description

Micro Clean Filter employ a Melt-Blown pp micro filber with 100% polypropylene support and porous outside/inside cage .
The Micro Clean Filter provides superior flow rates and dirty holding capacity due to the multiple layered construction .
Filter cartridges are using the welding techniques and manufactured in cleaning room enable the smallest contaminant extraction and higher durability .

Specification

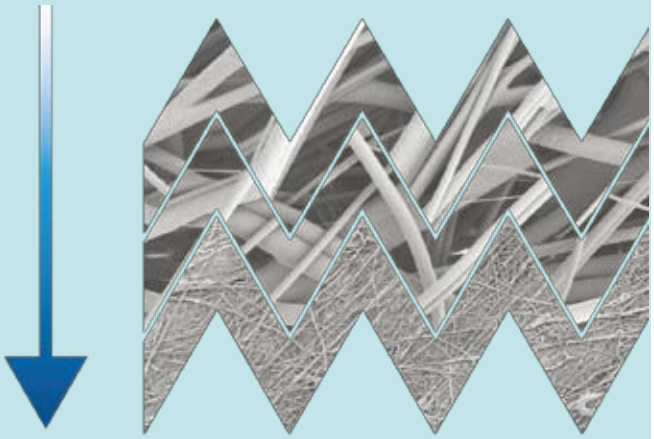
Micron Rating:
0.2μm, 0.45μm, 1μm(plus: absolute)
2.5μm, 5μm, 10μm, 20μm, 40μm, 70μm(absolute)
Material of Construction:
Medium:Melt-Blown PP micro filber
Core, cage and endcaps: Polypropylene
Support and drainage: Polypropylene
Length:10~40 inches
Outer Diameter :69mm
Inner Diameter :28mm

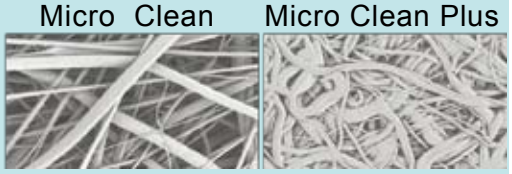
Operation Conditions

Maximum operating temperature:
95°C/203°F
Maximum operating forward pressure drop:
2.81kg/cm² (40 psi) at 82°C(180°F)
5.62kg/cm² (80 psi) at 24°C(75°F)

Benefits and Features

All polypropylene media and construction meet a broad range of performance requirements
High contaminant holding capacity
No extractable, ensure superior downstream cleanliness.
Superior retention of colloids and particles ensure low particle counts to protect your process
Fits most available housings

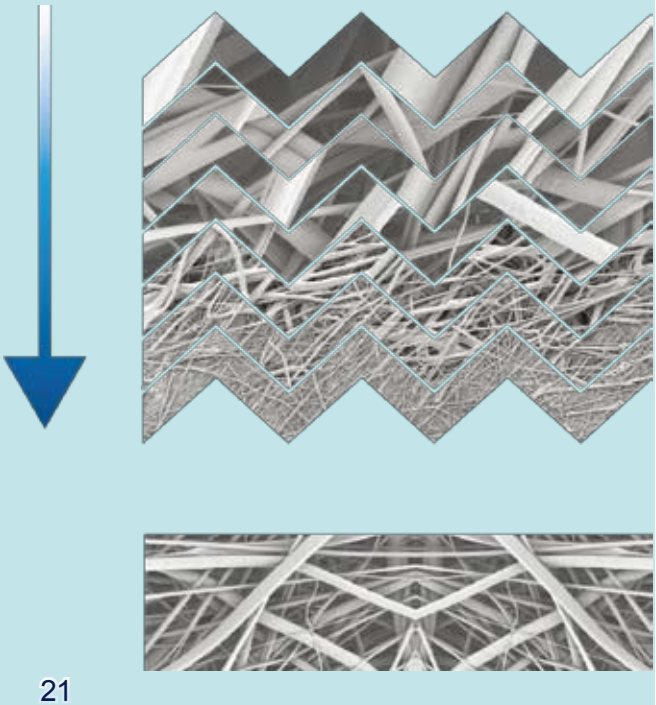




Applications of product

TFT-LCD: wet etching, stripping, developer, cleaning
TN/STN: wet etching, stripping, developer, cleaning
Color Filter: wet etching, stripping, developer, cleaning
Beverage/Wine clarification
RO/DI Pre-filtration

Micro star



Description

Micro Star filter is an innovative synthesis of depth and pleated technologies. This product combines the high flow capacity and low pressure loss of pleated filters with the gel retention capability and long life of a depth filter. Micro Star is thermally bonded from 100% virgin polypropylene to ensure clean filtrates and excellent chemical and thermal compatibility in the most stringent of processing conditions.

Specification

Micron Rating: 0.45, 1,3, 5, 10, 20,30,40μm
Materials of Construction:
Filter Medium: Polypropylene
Core, cage and endcaps: Polypropylene
Support and drainage: Polypropylene
Outer Diameter: 69mm(2.7inches)
Inner Dimension: 28mm(1.1inches)
Length: 10inches, 20inches, 30inches, 40inches

Operation Conditions

Maximum operating forward pressure drop:
2.81kg/cm² (7 psi) at 95°C(203°F)
5.62kg/cm² (15 psi) at 30°C(86°F)
Maximum operating temperature: 95°C(203°F)
Biological Safety:
Autoclaved for 10cycles of 30 minutes at 126°C(259°F)

Benefits and Features

Optimized media structure improved dispersion classification
Thick media structure make excellent gel retention possible
No extractable, ensure superior downstream cleanliness
Superior retention of colloids and particles ensure low particle counts to protect your process
Fits most available housings

Applications of product

Photoresist residue removers
TN/STN: wet etching, stripping, developer, cleaning
Color Filter: wet etching, stripping, developer, cleaning
Beverage/Wine clarification
Solvent clarification
Ink clarification

Micro panel

Description

Micro Panel cartridges are constructed by Polyethersulfone membrane and polypropylene (support, core and end cap). Micro Panel's unique mirrored-anisotropic PES membrane has exceptionally high flow rates and long on-steam life, and provides consistent removal of both organic and inorganic particulates.

Specification

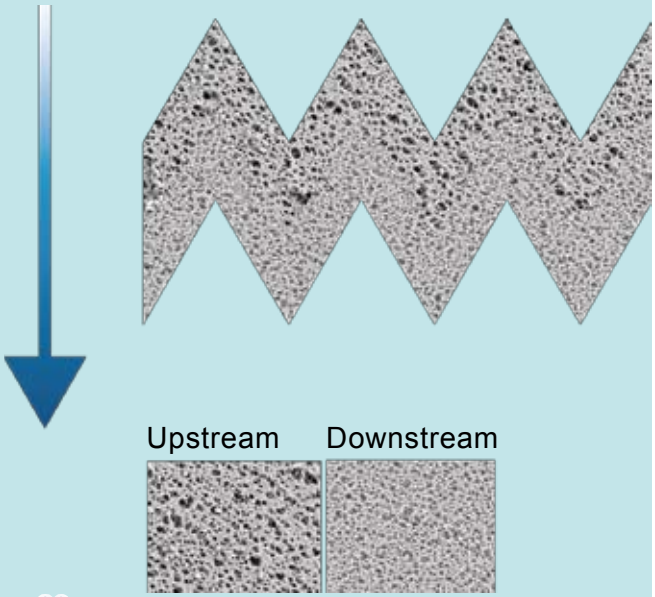
Micron Rating:
0.03, 0.1, 0.2, 0.45, 1.2μm(Water)
0.01, 0.02, 0.005μm (Air)
Materials of Construction:
Core, cage and endcaps: Polyethersulfone
Support and drainage: Polypropylene
Outer Diameter: 69mm(2.7inches)
Inner Diameter: 28mm(1.1inches)

Operation Conditions

Maximum operating forward pressure drop:
2.81kg/cm² (40 psi) at 82°C(180°F)
5.62kg/cm² (80 psi) at 24°C(75°F)
Maximum operating temperature: 95°C(203°F)
Biological Safety: Autoclaved for 10cycles of 30 minutes at 126°C(102°F)

Benefits and Features

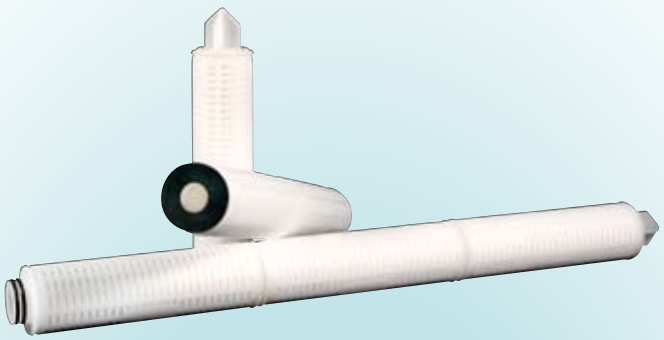
The highly porous asymmetric membrane that ensure lower pressure drop and extended service time. Polypropylene supports provide clean and durable performance.
The filter element is manufacture in clean room.
Pre-flush 30 minutes with RO/DI water.
End caps and connectors are sealed by thermal bond, free binder.

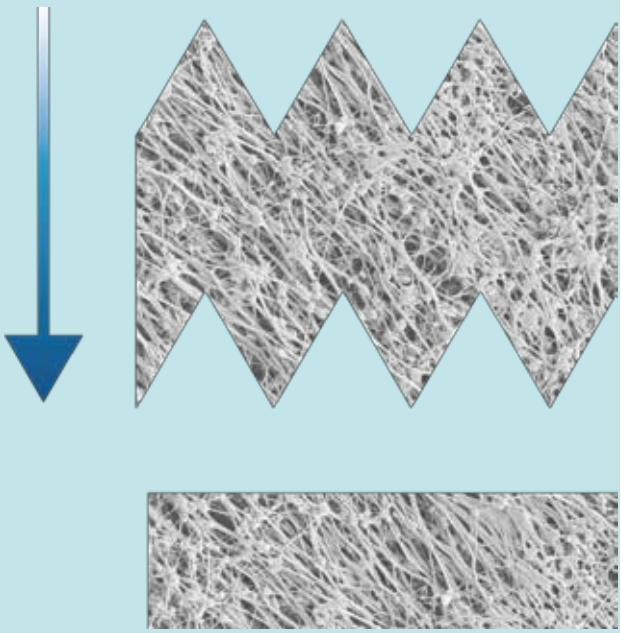


Applications of product

TFT-LCD: wet etching, strippi er, cleaning
TN/STN: wet etching, stripping, developer, cleaning
Color Filter: wet etching, stripping, developer, cleaning
Beverage/Wine clarification
Chemical processing
Solvent filtration

Micro fluoro





Description

Micro Fluoro is a highly chemically-resistance cartridge owning to its use of PTFE membrane and polypropylene support.
EPAM's unique PTFE membrane construction serves as a low-cost alternative to all fluoropolymer cartridge in less aggressive application and maintains broad chemical compatibility with low extractable levels and high particle retention rates.

Specification

Micron Rating: 0.05, 0.1, 0.2, 0.45, 1,3μm
Materials of Construction:
Filter Medium: hydrophobic PTFE membrane
Core, cage and endcaps: Polypropylene
Support and drainage: Polypropylene
Outer Dimension: 69mm
Inner Dimension: 28mm

Operation Conditions

Maximum operating forward pressure drop:
2.8 kg/cm² (40 psi) at 82°C(108°F)
5.6 kg/cm² (80 psi) at 20°C(68°F)
Maximum operating temperature: 95°C(203°F)
Biological Safety:
Autoclaved for 10cycles of 30minutes at 126°C(259°F)

Benefits and Features

Highly flow rate reduces processing time
Low extractable shortens start-up time
Excellent chemical compatibility for use in most application
Longer life reduces the cost of filtration
End cap and connector are sealed by thermal bond, free binder
Manufactured in clean room, highly clean cartridge

Applications of product

Filtration of strong acid, base solution, solvent and DI-water under 80°C which are used in wet etching, solvents stripping, and cleaning manufacturing process of LCD factory
Filtration of CD-R and DVD-R factory
Thermal fine filtration of DI water system
Filtration of chemical delivery system for special photo electrochemical

Ultra clean

Description

Ultra Clean series Melt-Blown polypropylene micro fiber pleated filter cartridges are designed for high flow rate application.
These filters can handle flow rate up to 100 LPM.
Ultra Clean Standard series are double or triple layers structure, thereby long service time and high efficiency. Ultra Clean Plus series made of calendered Melt-Blown polypropylene microfiber, provide absolute grade filter efficiency.

Specification

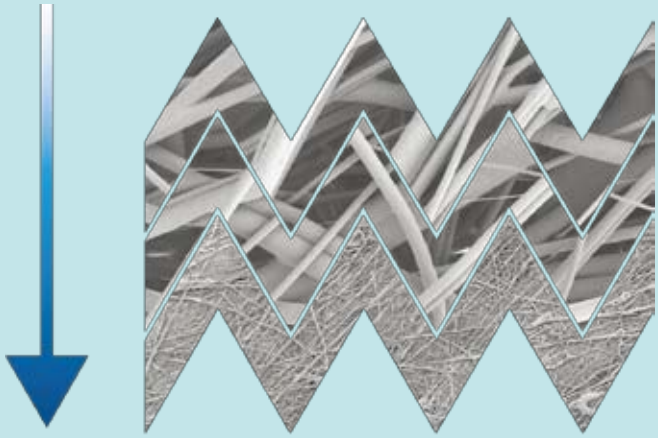
Micron Rating (Absolute Rating 99.9%):
Ultra Clean Standard:
1, 3, 5, 10, 25, 50, 75, 100 μm
Ultra Clean Plus : 0.2(multi pass test), 0.45, 1 um
Material of Construction:
100% Polypropylene Melt-Blown Micro-Denier fiber
Length:10inches, 20inches
Outer Diameter: 83mm(3.27inches)
Inner Diameter: 38mm(1.50inches)

Operation Conditions

Maximum operation pressure drop:
3.4 kg/cm²(50psid) at 80°C(176°F)
6.9 kg/cm²(100 psid) at 20°C(68°F)
Maximum operation temperature: 80°C(176°F)

Benefits and Features

Absolute ratings from 0.2 to 100μm
Continuously gradient pore structure increase capacity of dust
100% PP for compatibility for a wide range of process fluid
Formed by thermal bond without use any binder and adhesive
High strength and pressure resistance
Certificated by FDA CFR Title 21



Ultra Clean

Ultra Clean Plus

Applications

TFT-LCD: wet etching, stripping, developer, cleaning
TN/STN: wet etching, stripping, developer, cleaning
Color Filter: wet etching, stripping, developer, cleaning
Beverage/Wine clarification.
Pre-filter of DI & RO water filtration system for industry
Filtration of medium & low viscosity fluids of chemical

Ultra panel

Description

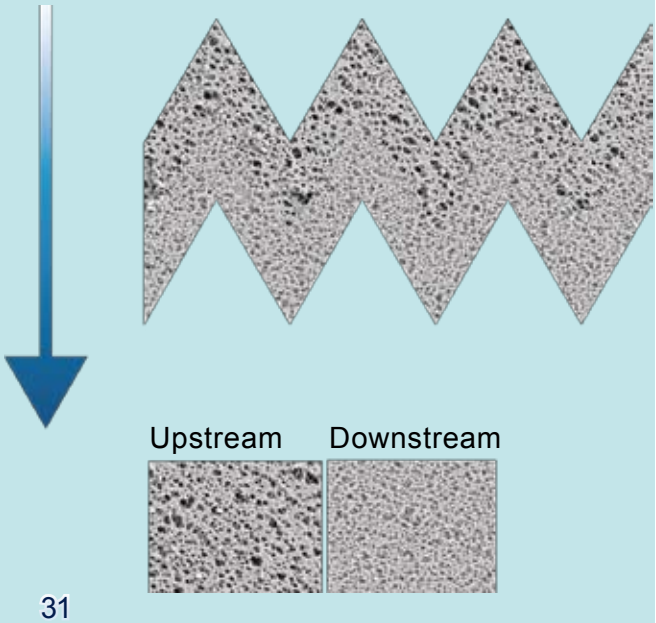
Highly asymmetric structure polyethersulfone membrane make Ultra Panel series filter cartridges for high flow rates and excellent retention performance. These filter cartridges employ a PES membrane with 100% polypropylene support and porous outside/inside cage, thereby good chemicals compatibility. Filter cartridges are using the welding techniques and manufactured in cleaning room enable the smallest contaminant extraction and higher durability.

Specification

Micron Rating:
0.1, 0.2μm, 0.45μm, 1.2μm
Materials of Construction:
Medium: Highly Asymmetric Polyethersulfone membrane
Core, cage and endcaps : Polypropylene
Support and drainage:Polypropylene
Length: 10inches, 20inches
Outer Diameter: 83mm
Inner Diameter: 38mm

Operation Conditions

Maximum operating forward pressure drop:
0.85 MPa @20°C/120 psid @ 68°F
0.34 MPa @80°C/50 psid@ 176°F
Maximum operating temperature:
80°C/176°F



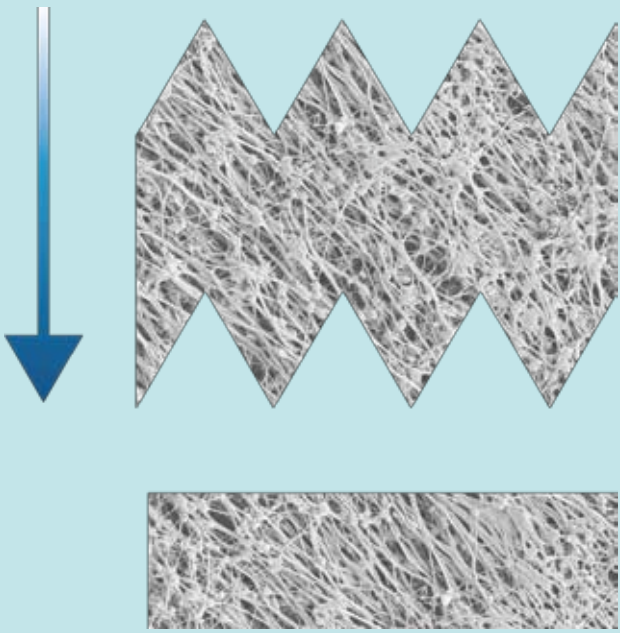
Benefits and Features

Strengthening inner core make for good pressure resistance
High flow rate: these filter can handle flow rates up to 100 lpm
The highly asymmetric structure makes long service life
No extractable, ensure superior downstream cleanliness

Applications of product

TFT-LCD: Pure water cleaning systems .
TN/STN: Pure water cleaning systems
Color Filter : Pure water cleaning systems
Beverage/Wine clarification.
Filter of plating fluid pr-developers

Ultra fluoro



Description

High porosity rate PTFE membrane makes Ultra Fluoro series filter cartridges for high flow rates and excellent retention performance. These filter cartridges utilize a PTFE membrane with 100% polypropylene support and porous outside/inside cage, thereby good chemicals compatibility. Filter cartridges are using the welding techniques and manufactured in cleaning room enable the smallest contaminant extraction and higher durability .

Specification

Micron Rating:
0.05,0.1, 0.2, 0.45, 1,3,5,10μm
Materials of Construction:
Medium :High porosity rate PTFE membrane
Core, cage and endcaps: Polypropylene
Support and drainage: Polypropylene
Length:10, 20 inches
Outer Diameter: 83mm
Inner Diameter: 38mm

Operation Conditions

Maximum operating forward pressure drop:
0.85 MPa @20°C/120 psid @ 68°F
0.34 MPa @85°C/50 psid@ 185°F
Maximum operating temperature:
85°C/175°F

Benefits and Features

Strengthening inner core make for good pressure resistance
High flow rate : these filter can handle flow rates up to 100 lpm
The high porosity rate structure makes long service life
No extractable, ensure superior downstream cleanliness
PTFE membrane offers excellent chemical resistance in aggressive chemical applications

Applications of product

TFT-LCD: wet etching and stripping process
TN/STN: wet etching and stripping process
Electronic grade solvents
Magnetic media solvent

Extra clean

Description

Extra Clean series Melt-Blown polypropylene microfiber pleated filter cartridges are designed for high flow rate application .These filters can handle flow rate up to 200 LPM due to the large surface area of the filter.. Extra Clean Standard series are multi-layers structure which is functioned with fine fibers in inner layer and coarse fibers in outer layers, thereby long service time and high efficiency. Ultra Clean Plus series made of calendered Melt-Blown polypropylene microfiber, provide absolute grade filter efficiency.

Specification

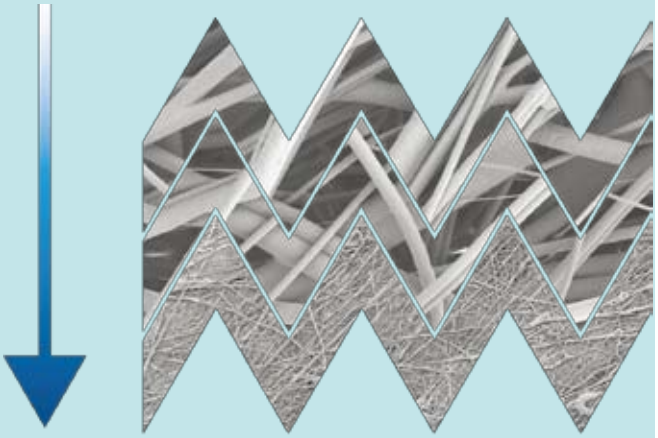
Micron Rating (Absolute Rating 99.9%):
Extra Clean Standard :
1, 3, 5, 10, 25, 50, 75, 100 μm
Extra Clean Plus : 0.2(multi pass test), 0.45, 1 um
Material of Construction:
100% Polypropylene Melt-Blown Micro-Denier fiber
Length:10inches, 20inches
Outer Diameter: 130mm(5.1inches)
Inner Diameter: 51mm(2inches)

Operation Conditions

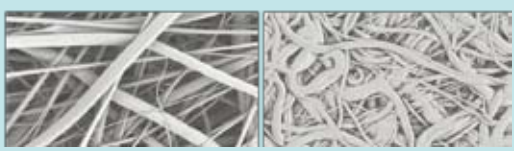
Maximum operation pressure drop:
3.4 kg/cm²(50psid) at 80°C(176°F)
6.9 kg/cm²(100 psid) at 20°C(68°F)
Maximum operation temperature: 80°C(176°F)

Benefits and Features

Absolute ratings from 0.2 to 100μm
High flow rate : these filter can handle flow rates up to 200 lpm
Continuously gradient pore structure increase capacity of dust
100% PP for compatibility for a wide range of process fluid
Formed by thermal bond without use any binder and adhesive
High strength and pressure resistance



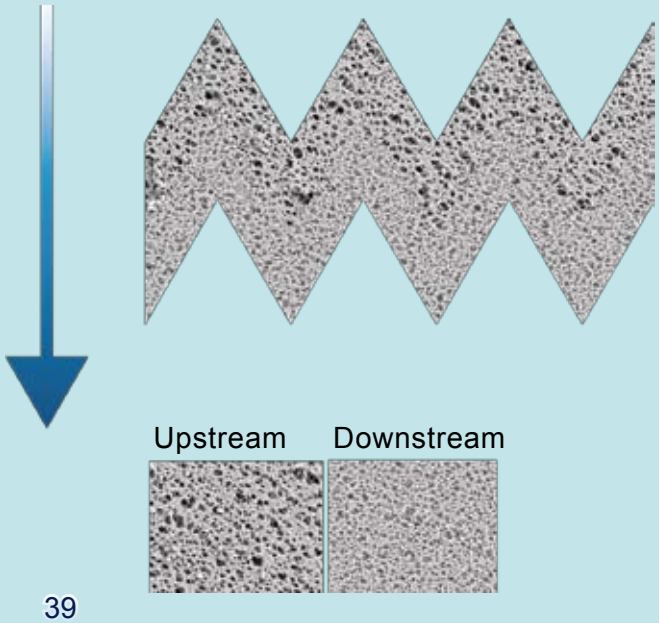
Extra Clean Extra Clean Plus



Applications

TFT-LCD: Wet etching pre-cleaning systems
TN/STN: Wet etching pre-cleaning systems
Color Filter : Wet etching pre- cleaning systems
For high flow rate pre- and clarifying filtration of various chemical

Extra panel



Description

Highly asymmetric structure polyethersulfone membrane make Extra Panel series filter cartridges for high dirt holding capacity and excellent retention performance. The cartridge realizes an extra high flow rate due to large surface area of the filter .These filter cartridges employ a PES membrane with 100% polypropylene support and porous outside/inside cage, thereby good chemicals compatibility. Filter cartridges are using the welding techniques and manufactured in cleaning room enable the smallest contaminant extraction and higher durability.

Specification

Micron Rating:
0.1, 0.2μm, 0.45μm, 1.2μm
Material of Construction:
Medium :Highly Asymmetric Polyethersulfone membrane
Core, cage and endcaps : Polypropylene
Support and drainage:Polypropylene
Length: 10inches, 20inches
Outer Diameter: 130mm
Inner Diameter: 51mm

Operation Condition

Maximum operating forward pressure drop:
0.85 MPa @20°C/120 psid @ 68°F
0.34 MPa @80°C/50 psid@ 176°F
Maximum operating temperature:
80°C/176°F

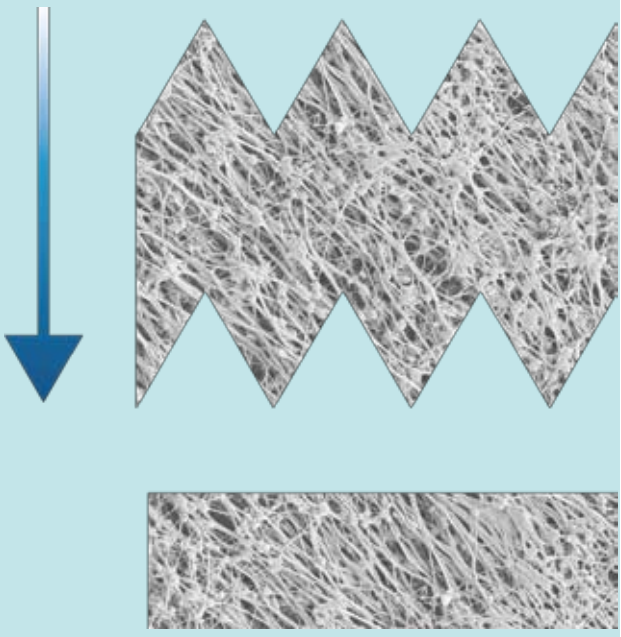
Benefits and Features

Strengthening inner core make for good pressure resistance
High flow rate : these filter can handle flow rates up to 200 lpm
The highly asymmetric structure makes long service life
No extractable, ensure superior downstream cleanliness

Applications of product

TFT-LCD: Pure water cleaning systems
TN/STN: Pure water cleaning systems
Color Filter : Pure water cleaning systems
Filter of plating fluid pr-developers

Extra fluoro



Description

High porosity rate PTFE membrane makes Extra Fluoro series filter cartridges for high flow rates and excellent retention performance. The cartridge realizes an extra high flow rate due to large surface area of the filter.. These filter cartridges utilize a PTFE membrane with 100% polypropylene support and porous outside/inside cage, thereby good chemicals compatibility. Filter cartridges are using the welding techniques and manufactured in cleaning room enable the smallest contaminant extraction and higher durability.

Specification

Micron Rating:
0.05,0.1, 0.2, 0.45, 1,3,5,10μm
Material of Construction:
Medium: High porosity rate PTFE membrane
Core, cage and endcaps : Polypropylene
Support and drainage:Polypropylene
Length:10, 20 inches
Outer Diameter: 130mm
Inner Diameter: 51mm

Operation Conditions

Maximum operating forward pressure drop:
0.85 MPa @20°C/120 psid @ 68°F
0.34 MPa @85°C/50 psid@ 185°F
Maximum operating temperature:
85°C/175°F

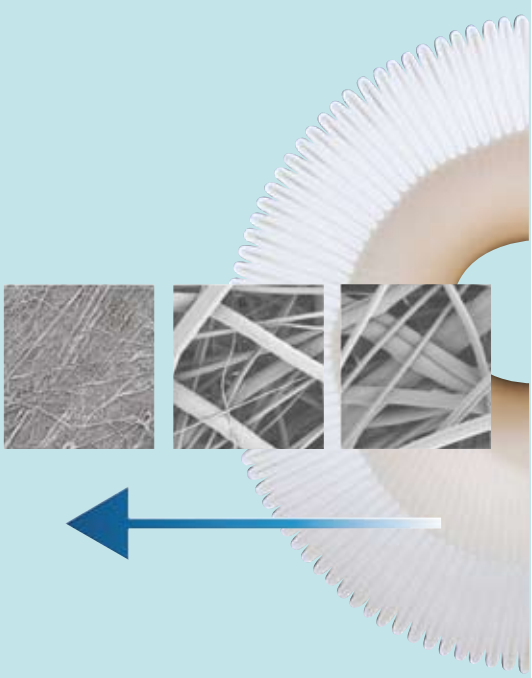
Benefits and Features

Strengthening inner core make for good pressure resistance
High flow rate: these filter can handle flow rates up to200 lpm
The high porosity rate structure makes long service life
No extractable, ensure superior downstream cleanliness
PTFE membrane offers excellent chemical resistance in aggressive chemical applications

Applications of product

TFT-LCD: wet etching and stripping process
TN/STN: wet etching and stripping process
Electronic grade solvents
Magnetic media solvent

Max flow



Description

The Max-Flow High Flow filter is suited for applications such as cooling water, Pre-RO, and resin trap filtration.
It is a large diameter, coreless, single open-ended, pleated cartridge with an inside to outside flow .
Puts an extraordinary amount of surface area into a single cartridge.

Specification

Micron Rating: 1, 5, 10, 25, 50, 75 µm
Material of Construction:
Filter Medium: Pleated Polypropylene depth structure
Support and drainage : Polypropylene
End caps : Polypropylene
Outer Diameter: 152.4mm (6 inches)
Inner Diameter: 80mm (3.2 inches)
Length: 508mm (20 inches), 1016mm (40 inches), 1524mm (60 inches)
O-Ring : EPDM(Standard), Viton, Silicone, PEA encapsulated Viton

Operation Conditions

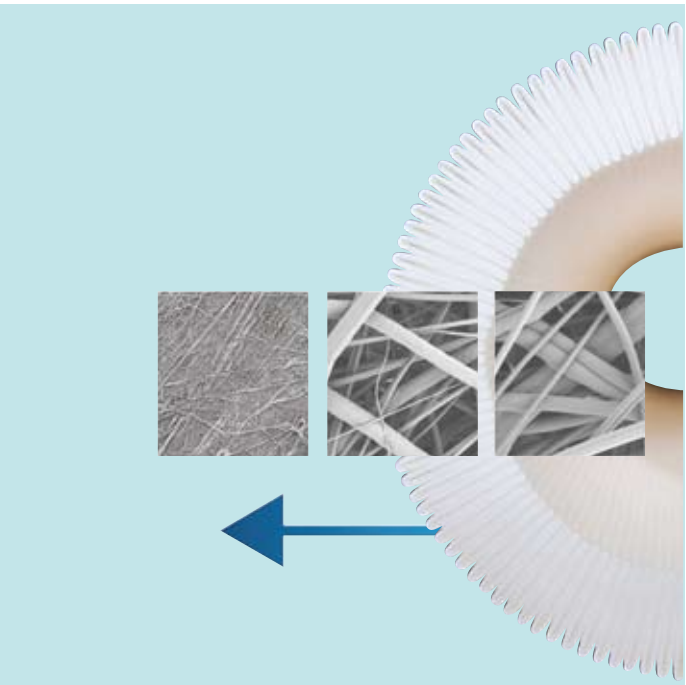
Maximum operating forward pressure drop: 3.5bar (50 psi) at 25°C (77°F)
Maximum operating temperature: 80°C (176°F)

Benefits and Features

High dirt loading capacity for long service time and lower cost filtration
Up to forty conventional depth filters minimize initial cost
Inside to outside flow configuration all contaminants held within the single ended filter
Shorter in down time for element replacement
Smaller equipment footprint
Coreless construction minimizes disposal cost

High Flow Series Pleated Filter Cartridge

Max pleated



Description

The High Capacity Pleated Filter is designed to fit inside existing baskets without hardware changes. It provides higher filter surface area and dirt holding capacity. The inside-out flow holds contaminant within the filter High Capacity Pleated Filter holds several times than the typical 500 series bag.

Specification

Micron Rating: Absolute rating 1, 5,10, 25,50,75 μm
Material of Construction:
Filter Medium: Pleated Polypropylene depth structure
Support and drainage: Polypropylene
Inner core: Polypropylene
End caps: Polypropylene
Outer Diameter: 152.4mm (6 inches)
Outer Flange Diameter: 184mm (7.24inches), equal to Size 1/Size 2 Bags
Length: Standard Size 1, Standard Size 2
O-Ring : EPDM(Standard), Viton, Silicone, PFA encapsulated Viton

Operation Conditions

Maximum operating forward pressure drop: 5.1bar (75 psi) at 25°C (77°F)
Maximum operating temperature: 80°C (176°F)

Benefits and Features

High surface area, high flow capacity
Inside to outside flow configuration all contaminants held within the single ended filter
Shorter in down time easy to change out
Available to fit most Size 1 and Size 2 bag housing with no hardware changes
All polypropylene construction provides wide chemical compatibility
Cartridges are free of surfactants, resins, binder and adhesive

High Flow Series Pleated Filter Cartridge

Cross pleated

Description

The Cross-Pleated High Flow filter Cartridge is suit for applications such as Pre-RO, waste water filtration.
It is designed to fit in a range of vessels that holds from one to over 37 filters for a wide range of flow rates in competitively priced hardware.

Specification

Micron Rating: 1, 5, 10, 20, 30, 40 μm
Material of Construction
Filter Medium: 100% PP Melt-blown micro fiber
Inner core: Polypropylene
Outer sleeve and End caps: Polypropylene
Length: 50.8cm (20 inches), 76.2cm(30 inches), 100cm (39 inches)
Outer Diameter: 16.5cm (6.5 inches)
Inner Diameter: 4cm (1.6 inches)
O-Ring: AS-568-226, EPDM(Standard), Viton, Silicone, PFA encapsulated Viton

Operation Conditions

Maximum operating forward pressure drop: 3.5bar (50.75psi) at 25°C (77°F)
Maximum operating temperature: 80°C (176°F)
Recommended Flow : 150 L/min (33GPM)
Filtration Area : 12~20 m^2 (130ft2~216ft2)

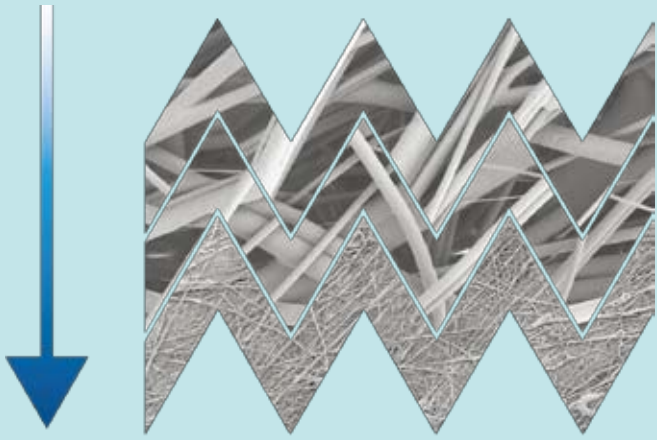
Benefits and Features

High dirt loading capacity for long service time and lower cost filtration
Low initial capital cost
Reduced maintenance time for filter change out
Smaller equipment footprint
Manufactured in clean room, highly clean cartridge

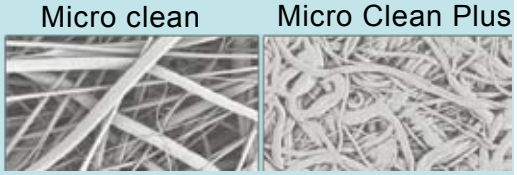
Applications of product

RO Pre-Filtration
UF Membrane Pre-Filtration.
Beverage/Wine clarification.
Filtration of Amines,
Filtration of Edible oil.
Filtration of glass cut cleaning
Pre filters or Final filters for waste water.

Capsule clean



Micro star
Micro clean



Micro Clean Plus

Description

The Capsule Clean filters are made entirely of polypropylene and designed to filter liquid process chemicals at flow rate of less than 10 liters per minute. The disposable filter which is fully encapsulated in a compact and easy-to-handle housing shell is cost effective for low-volume filtration. All the products are manufactured, tested, and packaged in a clean room to ensure the cleanliness.

Specification

Micron Rating (Absolute Rating 99.9%):
0.2, 0.45, 0.65, 1.0, 1.5, 5.0, 10, 20, 30, 40um
Material of Construction:
Medium: Melt-Blown PP micro filber
Support, shell, drainage, core and caps:
100% polypropylene
Length: 114mm (4.5inches), 173mm (6.8inches)
Outer Diameter: 72mm (2.83 inches)
Toxicity:
Complies with USP XXI Class VI for plastics
Non-toxic per WI-38 Human Cell Cytotoxicity Test
All materials meet FDA regulations for food contact

Operating Conditions

Maximum temperature: 80°C (176°F)
Maximum differential:
3.4kg/cm^2 (50 psid)@20°C(68°F)

Benefits and Features

Sealing method: thermal welding, eliminating adhesive extractable
Manufactured in cleanroom
Vent at highest location
Drain at lowest location
O-ringless design

Application

TFT-LCD Color Filter :Photo resists, coatings
Filtration of solvents
Sterile tank venting
Small volume point-of-use filtration

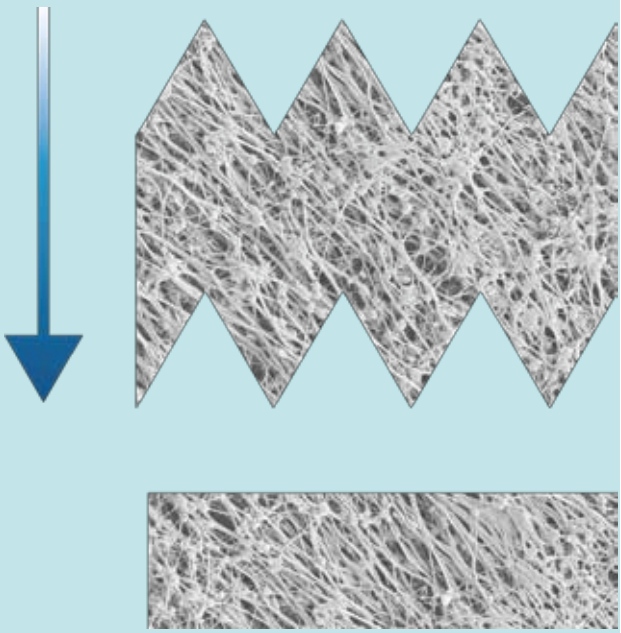
Capsule fluoro

Description

The CAG Fluoro filters are designed to filter liquid process chemicals at flow rate of less than 10 liters per minute. The medium of PTFE membrane is constructed by polypropylene supports and are compatible with a wide range of solvents, acids, and bases at ambient temperatures. The disposable filter which is fully encapsulated in a compact and easy-to-handle housing shell is cost effective for low-volume filtration. All the products are manufactured, tested, and packaged in a clean room to ensure the cleanliness.

Specification

Micron Rating :
0.05, 0.1, 0.2, 0.45, 1, 3, 5.0, 10um
Material of Construction:
Medium: PTFE Menbrane
Support, shell, drainage, core and caps:
100% polypropylene
Length: 114mm(4.5inches), 173mm(6.8inches)
Outer Diameter: 72mm(2.83 inches)
Toxicity:
Complies with USP XXI Class VI for plastics
Non-toxic per WI-38 Human Cell Cytotoxicity Test
All materials meet FDA regulations for food contact



Operating Conditions

Maximum temperature: 93°C(200°F)
Maximum differential:5kg/cm^2(70 psid)@20°C (68°F)

Benefits and Features

Sealing method: thermal welding, eliminating adhesive extractable
Manufactured in cleanroom
Vent at highest location
Drain at lowest location.
O-ringless design

Application of Product

TFT-LCD ArrayProcess :Photo resists, coatings
Filtration of acids,bases and solvents
Wet etching process: chemical, solvents, coatings
Sterile tank venting
Small volume point-of-use filtration