

Masterfilter



Pharmaceutical
& medical



Filters for the process industry

MF
Masterfilter

Pharmaceutical & medical

MasterCap

MC

- Single-use filtration systems, save cleaning time and validation cost
- Available in 5", 10", 20" and 30" lengths
- T-style and inline versions available
- Capsules are available in pre-sterilized packages
- No housing maintenance required
- High throughput & 100% integrity tested
- Sterilisable in autoclave, gas and gamma irradiation
- Obtainable in DPES, PES, PVD, SLF, APK, etc.. filtermedia



Applications

- Serum filtration
- Viscous Biological Liquids
- Sterile Tank venting

Disc filter

DF

- Removal of particles and micro-organisms for liquid and gases
- Minimal hold-up volume
- Partical shedding
- Autoclavable



Applications

- Small volume filtration
- Medical products

Novasip™ retrofit

NSR



- Retrofits Pall Novasip™ capsule
- Low replacement cost compared to capsule
- High temperature (80°) and pressure (10 barg) operation
- WIT testable validated PTFE membrane

Applications

- Autoclave and fermenter venting
- Critical air and vent filtration

Housing range for liquids and gases

FG-F/G



- Manufactured in accordance with European regulations
- Supplied with a wide range of connections
- Mechanically / electro polishing
- Surface finish Ra < 0,8 µm
- Sanitary / industrial

Applications

- Liquid filtration
- Gas filtration
- Vent filtration

Filter integrity tester

IT-01B



- Integrity testing for all membrane filters
- Single and multiple test
- Liquid and gas filter
- Compact design

Applications

- Bubble point test
- Pressure decay test
- WIT



Hydrophilic polyvinylidene Fluoride Membrane

PVD



- Ultra low protein binding
- Low extractables
- Broad temperature resistance
- Broad chemical compatibility
- Each element is integrity tested individually

Applications

- Ophthalmics
- Biologicals Agents
- Cold and Hot WFI
- Blood Products
- Chemicals
- Antibiotics

Multi-Layer Nano Fiber Polypropylene

MLK



- 5-7 Polypropylene Layers
- Larger pore size, up-stream
- Smaller pore size, down-stream
- Excellent removal of contaminant capabilities

Applications

- Gel Material
- Fermentation Broth
- Culture Medium
- Serum
- High Viscosity Material

Hydrophilic Double Layer PES Membrane

DPES



- Excellent reliability of sterilization
- Asymmetric pre-filter layer for longer life
- PH 1 -14
- Allows multiple autoclave cycles (up to 50x)
- Each element is integrity tested individually

Applications

- Herbal Injection
- Sterile API
- Biological Vaccine
- Blood Products
- Ophthalmics
- Liquid (LVP /SVP)
- Lyophilization Freeze-dried Power

Hydrophilic PES Membrane

PESS



- Low Diffusion Flow
- Inherently hydrophilic PES symmetric membrane
- Low protein binding
- Easy wetting
- Validation guide available

Applications

- LVP and SVP
- Large volume liquid parenteral
- Disinfection and cleaning liquid
- Water-soluble antibiotics

Hydrophilic PESA Membrane

PESA



- Low Diffusion Flow
- Inherently hydrophilic PES asymmetric membrane
- Low protein binding
- Easy wetting
- Validation guide available

Applications

- LVP and SVP
- Large volume liquid parenteral
- Disinfection and cleaning liquid
- Water-soluble antibiotics

Hydrophobic PTFE Membrane

SLF-L



- Inherently hydrophobic PTFE
- Broad chemical compatibility
- High tolerance of aggressive acids and bases
- High flow rates
- Low extractables
- 100% Integrity Test

Applications

- Organic-based Antibiotic liquids
- API
- Solvents



Multi-layer pleated polypropylene cartridge

APK



- Multiple layers Melt-Blown Polypropylene
- Pleated surface
- Superior flowrate
- Extended service life
- Nano fibre media
- Absolute-rated filtration efficiency
- All polypropylene construction

Applications

- Gel Material
- Blood product
- API
- Cell Culture

All – Polyfluorene Filter

PFA



- All-fluoropolymer material of construction
- Superior resistance during chemical processing
- High temperature and pressure resistance
- High flowrate – low differential pressure
- Low extractables
- WIT IN LINE TESTABLE

Applications

- Outstanding resistance to solvents
- Outstanding resistance to oxidative products (e.g. ozone)
- High temperature liquids (> 100°C)
- High temperature gases
- All kind of aggressive bases and solvents

Sterile PTFE membrane gas filter

SLF-T



- Permanently hydrophobic PTFE membrane
- Suitable for all integrity test procedures, incl. WIT test
- Pleated surface for high flow rate and long life
- Stringent in - line steam sterilisations (up to 150 cycles at 121°C)
- Absolute rated filter

Applications

- Sterile gas filtration
- Venting
- Fermentation

High temperature Sterile PTFE membrane gas filter

SLF-HT



- Permanently hydrophobic PTFE membrane
- Suitable for all integrity test procedures, incl. WIT test
- No alcohol required for pre-wetting
- Stringent in - line steam sterilisations (up to 100 cycles at 142°C)
- Absolute rated filter

Applications

- Autoclave
- Fermentation Inlet air
- Aseptic package / blow – fill – seal
- Hot water for injection (WFI) Tank vents
- Oxygen-enriched fermented Air

High flow filter cartridge

HCF



- High surface area
- High flow rate / smaller filter systems
- Coreless construction to minimize waste disposal
- Inside to outside flow configuration
- Absolute rated filter medium
- Available in 20"-40"-60" lengths

Applications

- Water treatment
- Process water
- DI water

Stainless steel sintered filter cartridges

SDF



- Different types : Cylindrical stainless steel sintered, wire cloth, pleated mesh and titanium metal powder
- Available in 316 stainless steel
- Cleanable and re-usable
- Welded construction
- High temperature and corrosion resistant
- Removal rating (μm) : 1 – 100 μm

Applications

- Steam filtration (culinary)
- Aggressive chemicals and gases
- Viscous fluids
- Corrosive fluids

Masterfilter



Masterfilter was created in 2010. Competence in processes and utilization are the strengths of Masterfilter.

We bring solutions for all kind of critical applications.

Masterfilter is a filtration company that focuses on high end solutions in PES & PTFE membrane filters and various pleated filter cartridges. Masterfilter provides professional technical and scientific assistance to filtration, separation and purification solutions. Our goal is to deliver innovative quality products on time with a high cost saving potential.

The philosophy of Masterfilter

- Experience
- Market and customer oriented
- Flexible
- Team spirit
- High qualified engineers
- Stable and independent
- Very competitive
- Finding best fitting solution

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Your local distributor

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