

# Masterfilter



Mineral water  
& softdrinks



Filters for the process industry

# 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
- Find best fitting solution



Filters for the process industry

**MF**  
Masterfilter



# Mineral water & softdrinks

## Activated Carbon Filter

ACF



- Ideal for chlorine reduction
- Excellent absorbency
- No release of active carbon
- Available in 2 grades
- FDA approved

### Applications

- De-chlorination of process water and drinking water
- De-chlorination of drinking water
- De-chlorination of rinsing water
- De-colourisation

## Melt blown depth filter

MBK



- Three layer construction
- Thermal bonding without binders and adhesives
- High dirt holding capacity and long service life
- Removal rating (  $\mu\text{m}$  ) : 1,0 – 150  $\mu\text{m}$

### Applications

- Pre-filtration for water
- Pre-filtration for RO plants
- Beverage filtration

## 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

## Multi-layer pleated polypropylene cartridge

APK



- Multi layers melt-blown polypropylene
- High dirt capacity
- 100 % polypropylene
- Absolute micron rating (  $\mu\text{m}$  ) : 0,3 – 10  $\mu\text{m}$
- Retention of particles
- Reduction of bioburden from liquids

### Applications

- Pre-filtration for water and gases

## Nano-fiber polypropylene pleated filter cartridge

APF



- High flow rate
- High dirt capacity
- Back washable, extend service life
- Micron rating (  $\mu\text{m}$  ) : 0,3 – 20  $\mu\text{m}$
- Absolute micron rating (  $\mu\text{m}$  ) : 1,5 – 10  $\mu\text{m}$

### Applications

- Water clarification
- Pre filtration for RO plants

## Hydrophilic polyethersulfone membrane

PES



- Easy wetting
- Low adsorption
- Repeatedly integrity testable
- Micron rating (  $\mu\text{m}$  ) : 0,1 – 1,2  $\mu\text{m}$

### Applications

- Bottled water
- Sterile water filtration
- Juices





### Sterile PTFE membrane gas filter

SLF-T



- Permanently hydrophobic PTFE membrane
- Suitable for all integrity test procedures
- Pleated surface for high flow rate and long life
- Removal rating (  $\mu\text{m}$  ) : 0,2  $\mu\text{m}$

#### Applications

- Sterile filtration of air and  $\text{CO}_2$
- Sterile tank venting
- Process gas filtration

### Glass micro fibre cartridges

SLF-G



- Steam sterilisable
- High dirt holding capacity
- Pleated surface for high flow and low pressure drop
- Removal rating (  $\mu\text{m}$  ) : 0,01, 0,3, 0,5  $\mu\text{m}$

#### Applications

- Sterile filtration of air and  $\text{CO}_2$
- Sterile tank venting
- Process gas filtration
- Membrane pre-filter

### Optivent SLV membrane vent filter

SLV



- Hydrophobic PTFE membrane
- Suitable for all integrity test procedures
- Pleated surface for high flow rate and long life
- Removal rating (  $\mu\text{m}$  ) : 0,2  $\mu\text{m}$

#### Applications

- Sterile venting of transport containers
- Sterile tank venting
- Sterile gas filtration

### Stainless steel sintered filter cartridges

SDF



- Available in 316 stainless steel
- Cleanable and re-usable
- Welded construction
- High temperature and corrosive resistant
- Removal rating (  $\mu\text{m}$  ) : 1 – 100  $\mu\text{m}$

#### Applications

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

### 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  $R_a < 0,8 \mu\text{m}$
- 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 (optional)

# Masterfilter

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