

# Masterfilter



Filters for the process industry

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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



# Beer

## 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 beer, water and gases
- Clarification of beer

## 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

- Trap filtration for beer
- Beer clarification
- Yeast removal from beer
- Trap filtration for kieselguhr free microfiltration

## High density polypropylene pleated cartridge

PPK



- Graded pore-size distribution
- Back washable, extend service life
- 100 % polypropylene
- Micron rating (  $\mu\text{m}$  ) : 0,3 – 20  $\mu\text{m}$

### Applications

- Pre-filtration for beer, water and gases
- Trap filtration for beer



### 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
- Beer filtration
- Sterile beer filtration
- Juices

### 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

### 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

### 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

## Belgium

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