

Masterfilter MLK multi-layered polypropylene cartridges combines depth filter technology with pleated filter technology, ensure high contaminant holding capacity and large filtration area. MLK construction adopts depth filter technology of graded pore-size avoiding filter surface jam. Graded pore-size distribution from coarse (upstream) to fine (downstream) can remove particles gradually and extend filter's service life.

### Features and Benefits

- High contaminant holding capacity
- Graded pore-size provides excellent flow rate and long service life
- Absolute rating from 0.5 to 90 microns
- Low pressure drop
- 100% PP offers compatibility with most chemicals, solvents caustic and acids



### Applications

- Fermentation
- Food & Beverage
- Ink Filtration
- Chemicals
- Pharmaceuticals
- Clarify filtration

## Materials of construction

- Filter media: Polypropylene
- Support layer: Polypropylene
- Inner core: Polypropylene
- Outer cage: Polypropylene
- End caps: Polypropylene
- End cap insert: Stainless 304
- O-Rings: EPDM/Silicone

## Operating Characteristics

Maximum Differential Pressure	4bar (20°C)
Steam Sterilization	2.4 bar (70°C)
in situ Hot Water Sanitization	121°C 20min
	85°C/30 min

## Food and Biological Safety

Comply with the relevant requirements of EU 1935/2004 and EU directive 10/2011

## Ordering Information

MLK  -  -  -

Code	Removal rating micron
<b>0030</b>	0,3
<b>0050</b>	0,5
<b>0065</b>	0,65
<b>0100</b>	1,0
<b>0500</b>	5,0
<b>1000</b>	10,0
<b>2000</b>	20,0

Code	length	
	mm	inch
<b>10</b>	254	10
<b>20</b>	508	20
<b>30</b>	762	30
<b>40</b>	1016	40

Code	end caps
<b>STC</b>	Sartorius code 28
<b>HTC</b>	222 O-ring/flat (Code 3)
<b>HTF</b>	222 O-ring/fin (Code 8)
<b>HSF</b>	226 O-ring/fin (Code 7)
<b>HSH</b>	UF retrofit

Code	O-Rings
<b>S</b>	Silicone
<b>E</b>	EPDM
<b>V</b>	Viton