

Masterfilter APK absolute rated polypropylene cartridges provide absolute efficiency and reliable performance in most critical applications. It combines high dirt holding capacity with long service life and high flow rates. 100% polypropylene construction and backwash capability make it an ideal filter for beverage applications like beer filtration.

Features and Benefits

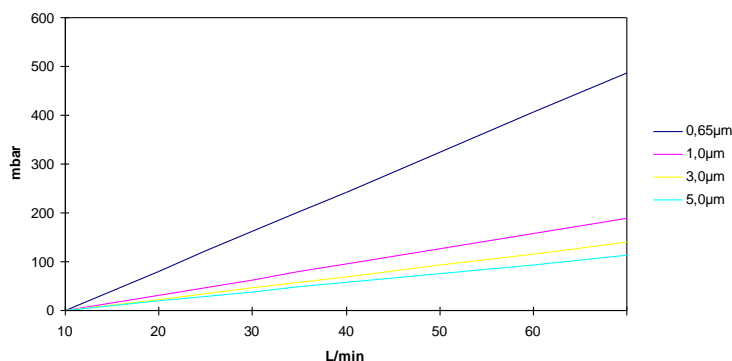
- High dirt holding capacity
- Pleated surface provides excellent flow rate and long service life
- Absolute rating from 0.3 to 10 microns
- Beta ratio : 5000 for each porosity
- 100% PP offers compatibility with most chemicals, solvents caustic and acids
- Pleated surface provides excellent flow rates



Applications

- Beer filtration
- Food & Beverage
- Water purification
- Chemicals
- Pharmaceuticals
- Clarify filtration

Pressure drop and flow rate for 10 inch (250mm) cartridge



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 | 5bar (20°C) |
| Max. back pressure | 3bar (85°C) |
| In situ steam Sterilization | 2bar (20°C) |
| in situ Hot Water Sanitization | 121°C 20min |
| Autoclaving | 80°C |
| | 134°C, 30min |

Food and Biological Safety

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

Ordering Information

APK

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| Code | Removal rating micron |
|-------------|-----------------------|
| 0030 | 0,3 |
| 0045 | 0,45 |
| 0065 | 0,6 |
| 0080 | 0,8 |
| 0100 | 1,0 |
| 0300 | 3,0 |
| 0500 | 5,0 |
| 1000 | 10,0 |

| Code | length | |
|-----------|--------|------|
| | mm | inch |
| 10 | 254 | 10 |
| 20 | 508 | 20 |
| 30 | 762 | 30 |
| 40 | 1016 | 40 |

| Code | end caps |
|------------|--------------------------|
| STC | Sartorius code 28 |
| HTC | 222 O-ring/flat (Code 3) |
| HTF | 222 O-ring/fin (Code 8) |
| HSF | 226 O-ring/fin (Code 7) |
| HSH | UF retrofit |
| DOE | Double open end |

| Code | O-Rings |
|----------|----------|
| S | Silicone |
| E | EPDM |
| V | Viton |