Small Capsule Filter
Compact, self-contained filter assemblies for use in Digital Printing systems

The Pall® Small Capsule Filter (SCF) is a compact filter assembly designed for the needs of equipment OEMs where fine filtration and low hold-up volumes are critical. This capsule features a high-area pleated filter construction for long service life and low initial pressure drop, ideal for situations where space is at a premium. In addition to the standard polypropylene capsule, an opaque UV resistant capsule in polypropylene is also available.

Description
- The SCF assemblies are absolute-rated filter capsules for ink jet ink filtration on Digital Printing systems.
- No binders, adhesives or mold release agents are employed in the manufacture of this product.
- The SCF assemblies feature Pall HDC II polypropylene filter media. (Reference USD1295 literature for further details). Other media options are available upon request.
- No binders, adhesives or mold release agents are employed in the manufacture of this product.

Features
- Absolute* rated filter media
- Compact design
- Luer lock connections
- Self-contained assembly
- Opaque capsule option
- Pleated element construction
- All-polypropylene construction
- Housing constructed of UL-recognised polypropylene

Advantages
- Consistent filter effluent
- Low hold-up volume
- Easy, quick filter change
- No need for separate filter housing
- Light does not penetrate capsule
- High effective filter area in small envelope size
- Low extractables in most ink systems
- Meets requirements for UL label

Benefits
- Maximum printhead protection without pigment stripping
- Minimum ink waste during filter changes
- Minimum ink loss and down time
- Lower total cost of filtration
- Reduced curing of UV-sensitive materials
- Low clean pressure drop and long service life
- Good compatibility and will not affect ink properties
- Satisfactory for use inside printing equipment

Technical Information

Materials of Construction
- Filter Media: Melt-blown polypropylene
- Shell: UL-recognised polypropylene
- Core, Cage and Endcaps: Polypropylene

Operating Conditions
- Maximum Operating Pressure: 60 psig @ 32-120°F
- Maximum Differential Pressure: 40 psid
- Maximum Operating Pressure: 2.75 barg @ 0-50°C

Typical Flow Rate versus Differential Pressure

For fluids of 1 cP viscosity. As a general guide, for other viscosities, multiply differential pressure by viscosity in cP.

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Dimensional Drawing
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- The inlet and outlet connections are heavy-duty female luer lock connectors.

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Because of developments in technology, these data or procedures may be subject to change. Consequently, we advise users to review their continuing validity annually. Part numbers quoted above are protected by the Copyright of Pall Europe Limited.

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Ordering Information

(This is a guide to the part numbering structure only. For availability of specific options, please contact Pall)

<table>
<thead>
<tr>
<th>Code</th>
<th>Capsule</th>
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<tbody>
<tr>
<td>1</td>
<td>Standard</td>
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<tr>
<td>2</td>
<td>UV resistant (black)</td>
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*(Based on the modified CSL/F2 test in water)*

<table>
<thead>
<tr>
<th>Code</th>
<th>Removal Rating*</th>
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<td>6µm</td>
</tr>
<tr>
<td>100</td>
<td>10µm</td>
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</table>

Table 2

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