



Pall Corporation

Small Capsule Filter



Pall Ink Jet Team



Filtration. Separation. Solution.SM

IJ 1768A



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

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

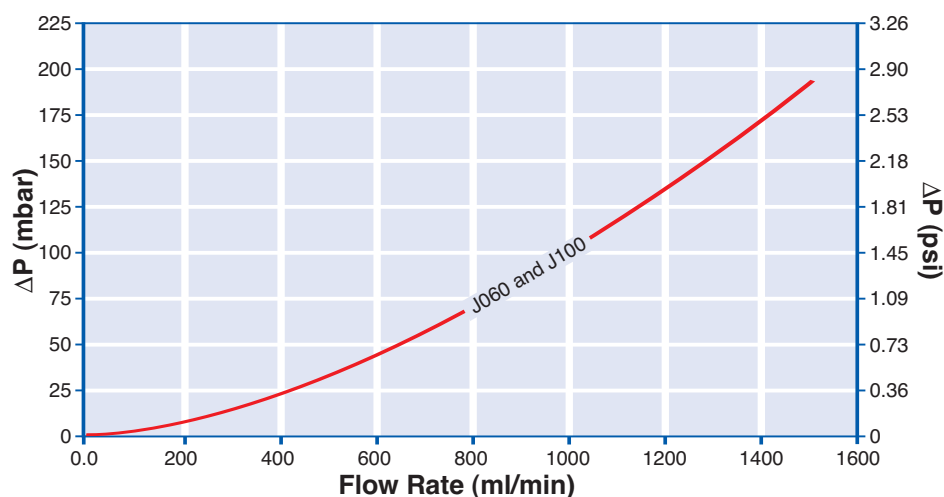
Materials of Construction

Filter Media	Melt-blown polypropylene
Shell	UL-recognised polypropylene
Core, Cage and Endcaps	Polypropylene

Operating Conditions

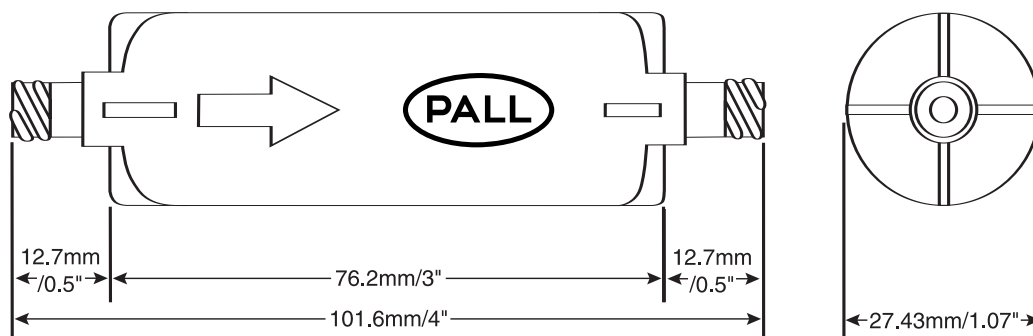
Maximum Operating Pressure	60 psig @ 32-120°F 4 barg @ 0-50°C
Maximum Differential Pressure	40 psid 2.75 bard

Typical Flow Rate versus Differential Pressure ⁽¹⁾



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

Dimensional Drawing





Ordering Information

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

S C F 3 1 1
Table 1 Table 2

Table 1

Code	Capsule
1	Standard
2	UV resistant (black)

Table 2

Code	Removal Rating*
J060	6µm
J100	10µm

* Based on the modified OSU-F2 test in water



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