



## Inprinta UV Resistant Filters

The Inprinta range of UV inkjet filters are designed specifically for the superwide graphics market and incorporates all the filters required along the ink path of your printer. All UV filters are manufactured utilising carbon black as a preventative barrier to UV light which minimises the risk of premature curing of UV inks. Selecting the correct UV resistant filters will ensure your printer has maximum up-time in between services and ink flow is not restricted.

### Features and Benefits

- UV ink compatible.
- Ink will not prematurely cure.
- Full UV protection.
- High throughput.
- Large range of capsule and in-line/last chance filters.
- Multiple connectors.
- Large active filter area.
- Low pressure drop.
- Excellent particle retention.
- Designed and manufactured in the UK.



## UV Inkjet Capsules

Inprinta capsules are self contained, ready to use, disposable devices. The filter body is constructed with opaque black housing and available with a wide range of connector configurations to suit different systems. All capsules will provide consistent, reliable printing performance with maximised printhead protection.

### Filtration Technology

The filters are manufactured using a range of different materials and design characteristics. Our Polyfil™ and Klearfil™ pleated polymeric membranes are engineered as the principal barrier to any foreign bodies or aggregates. Our Polyfil™ media benefits from a high pleat construction and a large surface area which offers a high flow rate and a minimal pressure drop, with focused spectrum particle removal properties. Our Klearfil™ media has 8 graded filtration layers allowing for wide spectrum particle removal, gel retention and a high dirt holding capacity. The deep filter pack also demonstrates minimum distortion under pressure and a long service life.

An integrated secondary level of protection is added through an innovative design and the utilization of BioVyon™ as a central column filter. BioVyon™, a co-sintered solid-state separation material, is manufactured from an ultra-pure, highly modified polymeric material with the lowest levels of particulates and extractables.

Connector	Inlet/Outlet Styles
A	1/4" to 3/8" barb
B	3/8" to 1/2"
C	1/2"
D	1/4" NPT (male)
E	3/8" NPT (female)
F	CPC
G	Jaco® 40-6mm-6 90° (elbow) 6mm tube
H	Jaco® 10-2mm-2 male connection 6mm tube
J	Jaco® 10-6mm-2 male connection 6mm tube
K	Jaco® 40-6mm-6 90° (elbow) 6mm tube with fitted last chance filter
L	Male connection for 4mm tube
N	90° (elbow) 1/4" to 3/8" barb
P	Luer
Q	90° (elbow) Luer

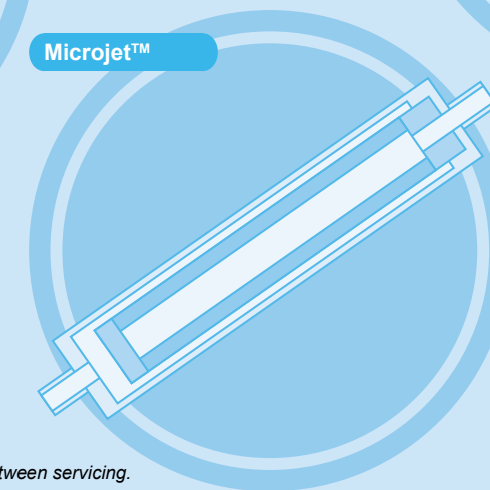
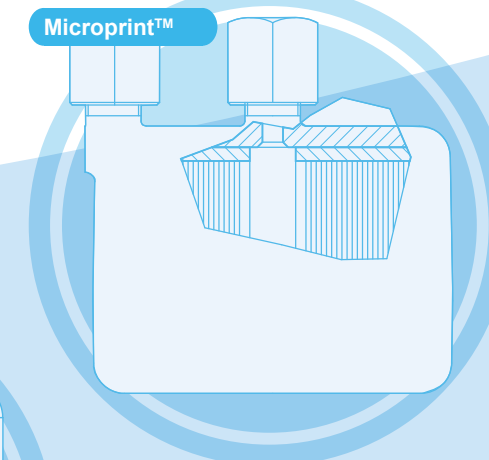
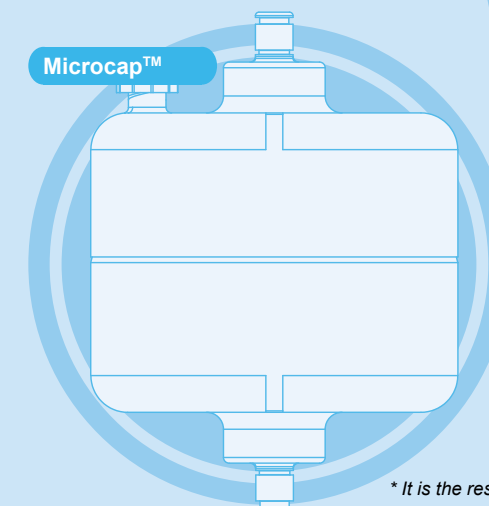
## UV In-line and Last Chance Filters

These filter assemblies are provided as solutions for UV inkjet applications from a list of inert materials with minimal extractables to ensure UV ink will not be contaminated. Filters are compact to allow fitting in the smallest of printer housing, and come with a varying range of connectors. All filters exhibit superior flow characteristics and ensure consistent reliable printing performance with maximised printhead protection.

### Filtration Technology

Supplied with a variety of filtration media, including; Polypropylene, Nylon, Polyethylene, stainless steel mesh, and metal fibre. Filtration rating starts at sub 1µm for the most refined liquids and increase up to 100µm. Filters are designed to run effectively with all UV inkjet fluids. Filter barriers are constructed from high grade materials before being welded into the UV filter housing to give a fully integrated filter assembly. The final assembly is designed to allow maximum through-flow with minimal pressure drop and zero ink cure across the filter path.

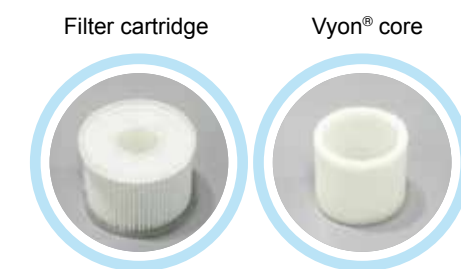
Connector	Inlet/Outlet Styles
	2.6mm, 4.6mm and 6.5mm barb
	7/16" 20 UNF thread
	5/16" 24 UNF thread
	Luer
	3mm and 6mm Jaco®



## Filter Efficiency

- Capsule filters have removal efficiencies from 0.5µm to 60µm.
- Filters provide a high dirt holding capacity.
- Filters are manufactured to provide low differential pressure value.
- Filters rated to 2000 hours.\*

## Filter Media



## Testing

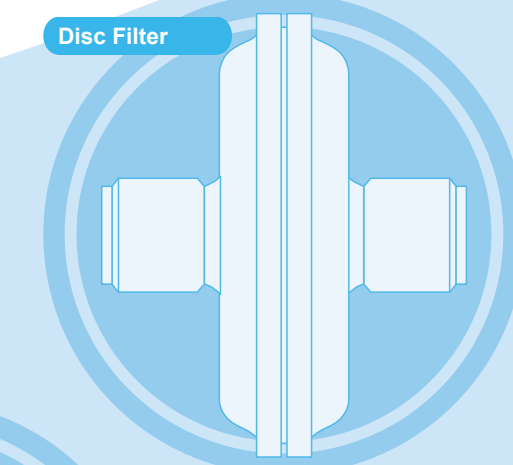
Filter cycles	Tested to 180,000 cycles/pulses at 5.5bar (80psi).
Pressure validation	100% of capsule filters tested to 6bar (87psi).
Filter integrity	Filter units are bubble tested for verified optimum micron rating.

## Technical Information

- Last chance and inline filters come with a wide range of micron ratings.
- Filter material includes:
  - Stainless steel mesh
  - Polymeric membrane
  - Metal fibre



- Maximum effective filter area within compact designs.
- Excellent inkjet compatibility with UV materials.
- Low differential pressure.
- Superior protection from aggregates and contamination.



\* It is the responsibility of the user to test for optimum run time between servicing.  
\*\* Dependant on capsule type.

## Ordering Information

### Microcap™ (Fully Moulded)

8089 -  - C



Micron Ratings		Connectors	
0050	0.5µm	AA	1/4" barb
0100	1µm	DD	1/4" NPT (male)
0300	3µm	FF	CPC
0500	5µm	GG1	1/4" Jaco® 90°
1000	10µm	GG2	6mm Jaco® 90°
2000	20µm	JJ1	1/4" Jaco®
4000	40µm	JJ2	6mm Jaco®
6000	60µm	PP	Luer
		QQ	Luer 90°

Filter Media	
1	Polyfil™
5	Klearfil™

### Microdisc™ 3PS (33mm Disc Filter)

8159 -  - 13



Connectors		Micron Rating	
11	3mm Jaco®	0005B	5µm
22	Female luer	0010B	10µm
		0020B	20µm
		0050B	50µm

### Microdisc™ 4PS (45mm Standard Disc Filter)

8111 -  - 23



Connectors		Micron Rating	
11	CPC	0005B	5µm
33	Luer	0010B	10µm
		0020B	20µm
		0050B	50µm

### Microdisc™ 4PV (45mm Volume Disc Filter)

8074 -  - 23



Connectors		Micron Rating	
221	1/4" Jaco®	0005B	5µm
222	6mm Jaco®	0010B	10µm
		0015B	15µm
		0020B	20µm
		0050B	50µm

### Microdisc™ 7PS (74mm Disc Filter)

8169 -  - 13



Connectors		Micron Rating	
221	1/4" Jaco®	0005B	5µm
222	6mm Jaco®	0010B	10µm
		0020B	20µm
		0050B	50µm

### Microprint™

8096 -  - C



Micron Ratings		Filter Media	
0050	0.5µm	1	Polyfil™
0100	1µm	5	Klearfil™
0300	3µm		
0500	5µm		
1000	10µm		
2000	20µm		
4000	40µm		
6000	60µm		

Connectors	
FF	CPC
JJ1	1/4" Jaco®
JJ2	6mm Jaco®

### Microjet™

8131 -  - 1 - PP - C



Micron Rating	
0500	5µm
1000	10µm

## Contact us

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