Inprinta In-line and Last Chance Filters

Since 1991 Inprinta have designed and manufactured a wide range of in-line and last chance filters to offer solutions for inkjet applications worldwide. These self contained filter assemblies are designed for all types of inkjet applications from CIJ coding to superwide graphics.

Our filter assemblies are produced from a host of inert materials with minimal extractables to ensure ink will not be contaminated. They are compact to allow fitting in the smallest of printer housings, and come with a varying range of connectors. All our filters are designed and built to last with superior flow characteristics and minimum pressure drop levels which ensure consistent可靠 printing performance with maximised printhead protection. Superior materials, design and construction provide the filter with a long service life.

Filter assemblies are provided as solutions for all types of inkjet applications from CIJ coding to superwide graphics.

Inprinta In-line and Last Chance Filters

A wide range of micron ratings.

UV and solvent compatible.

Zero shedding.

Excellent particle barrier.

Various colours for simple visual inspection.

Variable sizes.

Multiple connectors.

Minimal pressure differential.

6bar (87psi) operating pressure.

Standard operating temperatures from 0°C to 50°C (32°F to 122°F).

Filter Media

A variety of filtration media is offered throughout the range of last chance and in-line filters, that includes; polypropylene, nylon, polyethylene, stainless steel mesh and metal filters.

Durable and strong.

High strength plastics, such as peek, and stainless steel housings are offered by Inprinta as some of the strongest and most durable in the market. Materials of the highest grade are resistant to all standard solvent and UV fluids and the design and construction will provide a long service life.

Filter housing material

Polypropylene, stainless steel mesh and metal filters (Kynar/PTFE/PES/nylon available on request)

Filter housing colour

White, black or natural (other colours available on request)

Filter Micron rating

0.2µm, 0.5µm, 1µm, 3µm, 5µm, 10µm, 20µm, 50µm and 100µm (absolute)

Filter area

Stainless Steel Mesh Metal Fibre

Maximum operating pressure

6bar (87psi)

Operating temperature

From 0°C to 50°C (32°F to 122°F)

General Introduction

Inprinta in-line and last chance filters are self contained, ready to use, disposable devices. Filter bodies are manufactured from a range of plastics and metals to provide filters that are safe, robust, and durable and strong.

High quality filter media will guarantee critical prefiltered protection down to <1µm in fluids. Also within this range of filters are our air filters. These sub-micron barriers will ensure pure filtered air with no risk of liquids or contaminants.

Filtration technology

Filters are manufactured utilizing a host of different materials. Polymeric membranes, stainless steel mesh and metal filters are all offered within the product range. All filters will provide barriers to foreign bodies or aggregates within the ink system. Where air filters are used, hydrophobic membranes of 0.2µm are offered as standard. This ensures dirty air and oil particles are cleaned from the system.

Strength and Durability

Filter housings are engineered specifically for the stresses an inkjet high strength plastics, such as peek, and stainless steel housings offered by Inprinta as some of the strongest and most durable in the market. Materials of the highest grade are resistant to all standard solvent and UV fluids and the design and construction will provide a long service life.

Connections

For the many in-plant systems in the market, we provide a wide range of connections allowing for quick, simple and clean changeovers. JACO, bar and back connectors are all available in a variety of configurations.

Filter Efficiency

- Filters have removal efficiencies from 3.2µm to 100µm.
- Filters provide a high dirt holding capacity.
- Filters are manufactured to provide a low differential pressure value.
- Filters rated to 2000 hours.*

Filter Media

A variety of filtration media is offered throughout the range of last chance and in-line filters, that includes; polypropylene, nylon, polyethylene, stainless steel mesh and metal filters.

Durable and strong.

High strength plastics, such as peek, and stainless steel housings are offered by Inprinta as some of the strongest and most durable in the market. Materials of the highest grade are resistant to all standard solvent and UV fluids and the design and construction will provide a long service life.

Filter Media

A variety of filtration media is offered throughout the range of last chance and in-line filters, that includes; polypropylene, nylon, polyethylene, stainless steel mesh and metal filters.

Filtration technology

Filters are manufactured utilizing a host of different materials. Polymeric membranes, stainless steel mesh and metal filters are all offered within the product range. All filters will provide barriers to foreign bodies or aggregates within the ink system. Where air filters are used, hydrophobic membranes of 0.2µm are offered as standard. This ensures dirty air and oil particles are cleaned from the system.

Strength and Durability

Filter housings are engineered specifically for the stresses an inkjet high strength plastics, such as peek, and stainless steel housings offered by Inprinta as some of the strongest and most durable in the market. Materials of the highest grade are resistant to all standard solvent and UV fluids and the design and construction will provide a long service life.

Connections

For the many in-plant systems in the market, we provide a wide range of connections allowing for quick, simple and clean changeovers. JACO, bar and back connectors are all available in a variety of configurations.

Filter Efficiency

- Filters have removal efficiencies from 3.2µm to 100µm.
- Filters provide a high dirt holding capacity.
- Filters are manufactured to provide a low differential pressure value.
- Filters rated to 2000 hours.*

Filter Media

A variety of filtration media is offered throughout the range of last chance and in-line filters, that includes; polypropylene, nylon, polyethylene, stainless steel mesh and metal filters.

Filtration technology

Filters are manufactured utilizing a host of different materials. Polymeric membranes, stainless steel mesh and metal filters are all offered within the product range. All filters will provide barriers to foreign bodies or aggregates within the ink system. Where air filters are used, hydrophobic membranes of 0.2µm are offered as standard. This ensures dirty air and oil particles are cleaned from the system.

Strength and Durability

Filter housings are engineered specifically for the stresses an inkjet high strength plastics, such as peek, and stainless steel housings offered by Inprinta as some of the strongest and most durable in the market. Materials of the highest grade are resistant to all standard solvent and UV fluids and the design and construction will provide a long service life.

Connections

For the many in-plant systems in the market, we provide a wide range of connections allowing for quick, simple and clean changeovers. JACO, bar and back connectors are all available in a variety of configurations.

Filter Efficiency

- Filters have removal efficiencies from 3.2µm to 100µm.
- Filters provide a high dirt holding capacity.
- Filters are manufactured to provide a low differential pressure value.
- Filters rated to 2000 hours.*
### Ordering Information

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>8156</td>
<td>Grid Filter (14 micron rating)</td>
<td>2.25” Female luer, 2.25” Male syringe, natural housing</td>
</tr>
<tr>
<td>8163</td>
<td>Microdisc™ 1PA (15mm S-Vent Disc Filter)</td>
<td>Female luer/male syringe connector; 0.2 micron rating; natural housing</td>
</tr>
<tr>
<td>8164</td>
<td>Microdisc™ 2PA (25mm S-Vent Disc Filter)</td>
<td>Female luer/male syringe connector; 0.2 micron rating; natural housing</td>
</tr>
<tr>
<td>8169</td>
<td>Microdisc™ 7PS (74mm Disc Filter)</td>
<td>Female luer/male syringe connector; 0.2 micron rating; Natural housing</td>
</tr>
<tr>
<td>8159</td>
<td>Bullet Filter (60mm)</td>
<td>Barb connectors; 5 micron rating, Natural housing</td>
</tr>
<tr>
<td>8166</td>
<td>Bullet Filter (60mm)</td>
<td>Barb connectors; 5 micron rating, Natural housing</td>
</tr>
<tr>
<td>8167</td>
<td>Microdisc™ 3SS (30mm Stainless Steel Filter)</td>
<td>2.6mm O/D barb, 4.9mm O/D barb, 3mm Jaco®, 6.5mm O/D barb, ¼” NPT</td>
</tr>
<tr>
<td>8177</td>
<td>Microdisc™ 4SS (47mm Stainless Steel Filter)</td>
<td>2.6mm O/D barb, 4.9mm O/D barb, 3mm Jaco®, 6.5mm O/D barb, ¼” NPT</td>
</tr>
</tbody>
</table>

### Microdisc™ Specifications

- **Microdisc™ 1PA** (15mm S-Vent Disc Filter)
  - Female luer/male syringe connector
  - 0.2 micron rating
  - Natural housing

- **Microdisc™ 2PA** (25mm S-Vent Disc Filter)
  - Female luer/male syringe connector
  - 0.2 micron rating
  - Natural housing

- **Microdisc™ 3SS** (30mm Stainless Steel Filter)
  - 2.6mm O/D barb
  - 4.9mm O/D barb
  - 3mm Jaco®
  - 6.5mm O/D barb
  - ¼” NPT

- **Microdisc™ 4SS** (47mm Stainless Steel Filter)
  - 2.6mm O/D barb
  - 4.9mm O/D barb
  - 3mm Jaco®
  - 6.5mm O/D barb
  - ¼” NPT

### In-line and Last Chance Inkjet Filters

Contact us

For further information on our product range or manufacturing services, please contact Inprinta on the details below:

- **Inprinta and Vyon** are registered trademarks of Porvair Plc.
- **BioVyon**, **Microcap**, **Microdisc**, **Microjet** and **Microprint** are trademarks of Porvair Plc.
- **Jaco** is a registered trademark of Jaco Manufacturing Company.
- **Swagelok** is a registered trademark of Swagelok Company.

© Copyright 2019. Inprinta. All rights reserved.

Whilst every effort has been made to ensure the accuracy of this document, due to continuous product development, the data contained is subject to constant revision and Inprinta reserves the right to change, alter or modify its contents.

Inprinta products are not the original, but are compatible parts and they are not produced by, or have been endorsed by the manufacturers specified. Inprinta is not associated with, nor represents any of the companies stated in Inprinta marketing material and literature. All other companies referenced herein are trademarks and/or registered trademarks of their respective companies.