Inprinta UV Resistant Filters

The Inprinta range of UV liquid 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 ink. Ensuring the correct UV resistant filters will ensure your printer has maximum uptime in between services and ink flow is not restricted.

Features and Benefits

- UV ink compatibility
- Ink will not prematurely cure
- Flat UV protection
- High throughput
- Large range of capsule and inline/last chance filters
- 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 bodies are constructed with speckle black laminated and available with a wide range of connector configurations to suit different systems. All capsules will provide consistent, reliable printing performance with maximised protective performance.

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 life will not be contaminated. Filters are compact to allow fitting in the smallest of filter housings and come with a varying range of connectors. All filters exhibit superior flow characteristics and ensure consistent reliable printing performance with maximised protective performance.

Filter Efficiency

- Capsule filters have removal efficiencies from 0.5µm to 60µm.
- Filters are manufactured to provide low differential pressure values.
- Filters rated to 2000 hours.*

Filter Media

- Capsule filter materials include: Polypropylene, Nylon, Polyethylene, stainless steel mesh, and metal fiber. Filtration rating is an indication for the most refined liquids and increases up to 10µm. Filters are designed to run effectively with all UV inkjet fluids.
- Filter barres are constructed from high grade materials before being rolled into the UV filter housing to give a fully integrated filter assembly. The final assembly is designed to allow maximum throughput with minimal pressure drop and zero ink cure across the filter path.

Filter Efficiency

- Capsule filters have removal efficiencies from 0.5µm to 40µm.
- Filters are manufactured to provide low differential pressure values.
- Filters rated to 10000 cycles.*

Testing

- Filter cycles: Tested to 180,000 cycles/pulse at 6 bar (87psi).
- Pressure validation: 100% of capsule filters tested to 6 bar (87psi).
- Filter units are bubble tested for filter integrity.
- Unit testing is conducted in accordance with the test method established for each filter category.

Filter Media

- Klearfil® media benefits as a central media has 8µm pleated nylon, Polyethylene, stainless steel mesh, and metal fiber. Filtration rating is an indication for the most refined liquids and increases up to 10µm. Filters are designed to run effectively with all UV inkjet fluids. Filter barriers are constructed from high grade materials before being rolled into the UV filter housing to give a fully integrated filter assembly. The final assembly is designed to allow maximum throughput with minimal pressure drop and zero ink cure across the filter path.

Filter Integrity

- Capsule filters are self-contained, ready to use, disposable devices. The filter bodies are constructed with speckle black laminated and available with a wide range of connector configurations to suit different systems. All capsules will provide consistent, reliable printing performance with maximised protective performance.
Ordering Information

Connectors

- 1/4" Female Luer
- 6mm Jaco® 90°
- ¾" Male Luer
- Jaco® 90°
- 1/4" NPT (Male)
- 6mm Jaco® 90°
- 3mm Jaco®
- Female Luer
- Jaco® 3mm 90°
- 1/4" Male Luer
- 6mm Jaco®
- CPC
- 1/2" Male Luer
- Female Luer
- 33 "barb"
- 6mm Jaco® 90°
- 3mm Jaco®
- 1/4" Male Luer

UV Resistant Inkjet Filters

Contact us

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

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