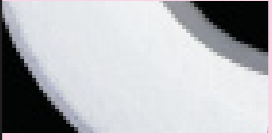
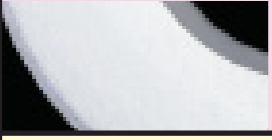








# Filtration Products for Ink Jet Ink Formulation

Filter Type	Family	Removal Efficiency	Key Applications	Key Benefits	Reference Literature
Depth	Profile II® filters 	0.3 µm ➔ 120 µm	<ul style="list-style-type: none"> <li>Final filtration of TIJ* pigmented inks</li> <li>Prefiltration (most ink types)</li> </ul>	<ul style="list-style-type: none"> <li>High-efficiency media structure with sharp particle size cut-off facilitates dispersion classification.</li> <li>Continuously tapered pore construction ensures long service life.</li> </ul>	IJ1770
	Nexis® A filters 	0.5 µm ➔ 120 µm	<ul style="list-style-type: none"> <li>General prefiltration (most ink types)</li> </ul>	<ul style="list-style-type: none"> <li>Proprietary technology incorporates large-diameter fibers to strengthen the filter and aid in the resistance of contaminant unloading.</li> <li>Multizone-graded pore structure provides excellent flow capacity and long service life.</li> </ul>	IJ1788
Hybrid	Profile® Star filters 	1.0 µm ➔ 90 µm	<ul style="list-style-type: none"> <li>Pigmented UV curable and solvent-based inks for digital printing</li> <li>Solvent-based CIJ** inks</li> </ul>	<ul style="list-style-type: none"> <li>Thick media structure ensures excellent gel capture and retention.</li> <li>Steep efficiency curve enables effective removal of oversized contaminant without colorant stripping.</li> </ul>	IJ1769A
	Poly-Fine® XLD filters 	1.5 µm ➔ 90 µm	<ul style="list-style-type: none"> <li>Pigmented UV curable and solvent-based inks for digital printing</li> <li>Prefiltration applications (most ink types)</li> </ul>	<ul style="list-style-type: none"> <li>Unique pleated-depth hybrid filter media provides exceptional dirt holding capacity and good flow rates.</li> <li>Optimized multilayer media structure facilitates fine dispersion classification.</li> </ul>	IJ1786
Pleated Microfiber	Ultipor GF Plus® filters  	0.1 µm ➔ 40 µm	<ul style="list-style-type: none"> <li>Submicron filtration of most pigmented inks</li> <li>Aggressive solvent and oil-based inks</li> <li>Hot melt ink jet inks</li> </ul>	<ul style="list-style-type: none"> <li>Submicron media can filter pigmented inks to very fine efficiency levels.</li> <li>Resin-bonded inorganic fiber construction offers excellent chemical compatibility with a wide range of ink chemistries.</li> </ul>	Various literature is available at <a href="http://www.pall.com">www.pall.com</a>
Pleated Membrane	Water-Fine filters 	0.1 µm ➔ 1.2 µm	<ul style="list-style-type: none"> <li>Final filtration for dye-based TIJ inks</li> </ul>	<ul style="list-style-type: none"> <li>Highly asymmetric polysulfone membrane incorporates a prefiltration zone that provides excellent flow rates and dirt holding capacity.</li> <li>Hydrophilic filter media does not require prewetting.</li> </ul>	IJ1787
	Ultipor® N66 filters 	0.1 µm ➔ 0.65 µm	<ul style="list-style-type: none"> <li>Final filtration for dye-based TIJ inks</li> <li>Final filtration for solvent-based CIJ inks</li> </ul>	<ul style="list-style-type: none"> <li>Fixed-pore isotropic media produces outstanding quality ink.</li> <li>High-area pleated design ensures long service life.</li> </ul>	Various literature is available at <a href="http://www.pall.com">www.pall.com</a>

\*TIJ — thermal ink jet    \*\*CIJ — continuous ink jet    **Note:** All reference literature can be found on the Pall Website at [www.pall.com](http://www.pall.com)