

HOSE BARB CAPSULE FILTERS

COMPACT CAPSULE FILTERS FOR INKJET FORMULATION LABS AND SMALL INK BATCH PRODUCTION PROCESSES.

Cobetter® Hose Barb Capsule Filters are available in a variety of housing sizes and filtration media to meet the needs of a diverse range of printer inks, flow, and filtration requirements. These filters are ideal for formulation or small ink batch production processes.

Correct media selection for different inks can impact filter performance characteristics such as pressure loss, gel retention, and service life. The Hose Barb Capsule Filters series offers six high-performance Cobetter media to meet your digital printing filtration requirements:



AVAILABLE IN SIX MEDIA OPTIONS



INK-PP Media:

High precision, multiple layer nano-fiber construction provides over 99.8% removal efficiency and long service life. All-polypropylene construction for excellent compatibility for most ink systems. Fiber-to-fiber thermal-bonded media ensures no fiber releasing. Recommended for regular dye-based inks and most pigment-based inks: desktop printers, wide format printers, UV flatbed printers, and textile printers.



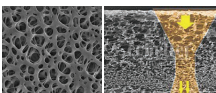
INK-PPJ Media:

Low differential pressure with high flow rate, fiber-to-fiber thermal-bonded media ensures no fiber releasing. All polypropylene construction - excellent compatibility with most ink systems. Particularly matched for continuous ink jet printers to provide low differential pressure, high flow rates, and smooth flow.



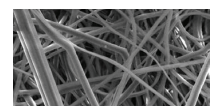
INK-PPC Media:

Enhanced filtration area with 8 layers of depth nano-fiber construction provides longer lifetime while delivering >99% efficiency with no fiber releasing. Ideal for filtration of high solids contained inks such as ceramic inks for ceramic printers.



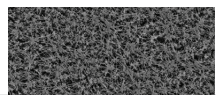
APSP Media: Asymmetric PES Absolute Membrane

- Absolute removal rating
- Asymmetric membrane pore size provide high dirt holding capacity, high flow rate
- Long service life, greatly reduced filter replacement cycle



APBT Media: All Polyester Media

- Made of full PBT material, it can meet the filtration requirement of benzene, toluene and other aromatic hydrocarbon solvents
- Capable of working for one week at 120°C
- Max. operating pressure: 4.0 bar



PFIIP Media: Asymmetric PTFE Membrane Material (Hydrophobic)

- Absolute-rated removal rating
- Membrane filtration, avoid fiber releasing

Typical Applications

Final Point-of-Use Filtration:

- Dye-based Inkjet Inks
- Active Dye Inkjet Inks
- Acid Dye Inkjet Inks
- Digital Inkjet Printers
- Digital Ceramic Printers
- Textile Printers
- Wide Format Printers
- UV Flatbed Printers
- High-Speed Printers

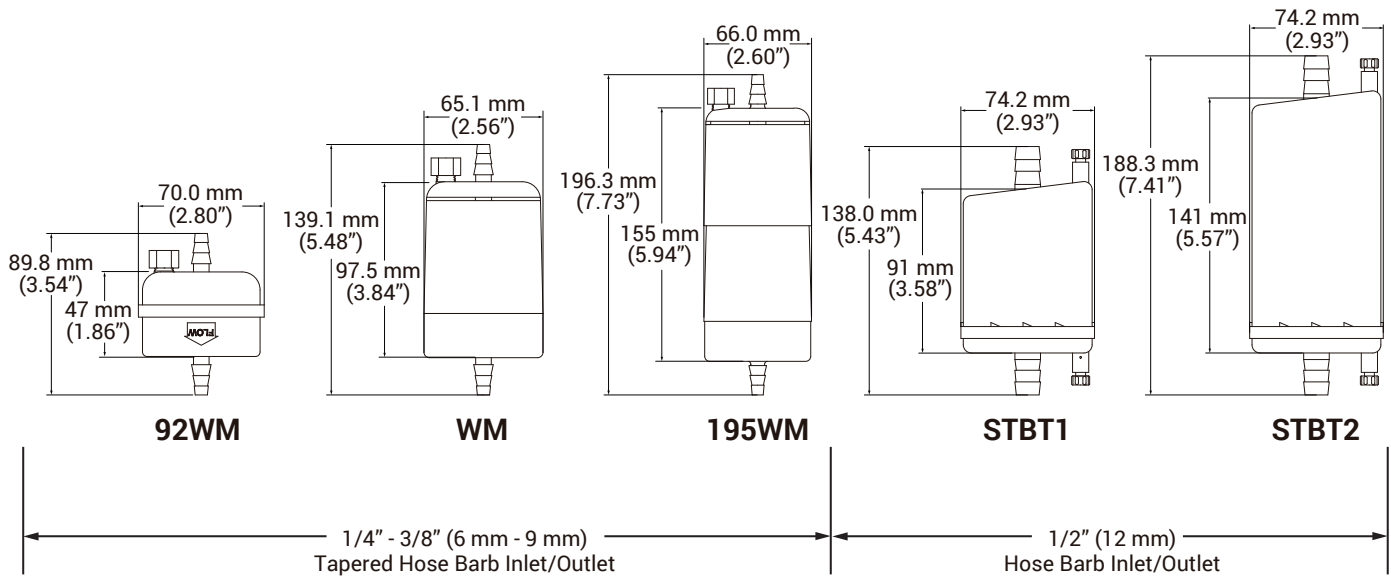


| FEATURE | BENEFIT |
|-------------------------------------|--|
| Six filtration media options | Allows matching of filtration media type and retention to specific ink, flow, and retention characteristics. |
| Non-fiber release design | Thermally-bonded fiber polypropylene forms a stable structure and ensures no fibers are released. |
| Thermal welding technology | No adhesive resins to ensure capsule filter's cleanliness and long-use pressure endurance. |

SPECIFICATIONS

| | |
|-----------------------------------|---|
| Filter Media | Polypropylene depth medias, PES, Polyester, PTFE |
| Cage/Core/Shell/End Cap | Polypropylene or black UV resistant polypropylene |
| Max. Operating Temperature | 50°C (120°F) |
| Max. Operating Pressure | 0.7 Mpa (7.0 bar, 101 psi) |
| Inlet/Outlet | 92WM and WM: 1/4" - 3/8" (6 mm - 9 mm) tapered hose barb 195WM, STBT1, and STBT2: 1/2" (12 mm) hose barb |
| Vent/Drain | 1/8" NPT |

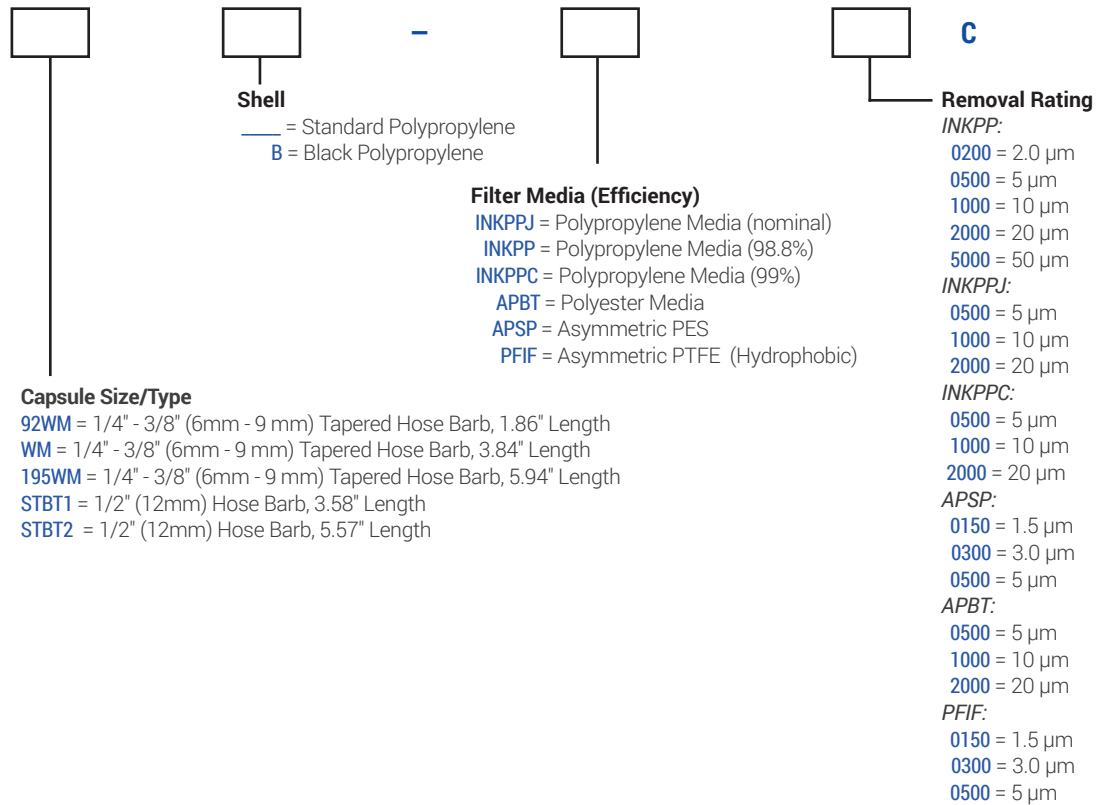
DIMENSIONS



| Filtration Area for PP Medias | 200 cm ² (0.22 ft ²) | 400 cm ² (0.43 ft ²) | 700 cm ² (0.75 ft ²) | 432 cm ² (0.46 ft ²) | 650 cm ² (0.7 ft ²) |
|-------------------------------|--|--|--|--|---|
|-------------------------------|--|--|--|--|---|

ORDERING INFORMATION

EXAMPLE: **92WMBINKPP0500C** = 1/4" - 3/8" (6 mm - 9 mm) Tapered Hose Barb I/O, 1.86" length , black polypropylene shell, INKPP media, 5 µm removal rating



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