

PreFlow™ media

IN DFA CAPSULE FILTERS

PreFlow™ media in DFA capsule filters are designed for small-volume production and scale-up evaluation.

The PreFlow media provides protection for sterilizing-grade filters during the processing of biological fluids. The fixed-pore structure and proprietary resin-bonded glass-fiber composite media provides high capacity for fine contaminants, resulting in extended service life.

PreFlow filters have the following properties:

- Fixed-pore construction.
- Resistant to contaminant unloading.
- Meet USP biological reactivity, *in vivo*, for Class VI – 121°C plastics.

Benefits

The key benefits of these filters for prefiltration applications include:

- Scalable to production filters.
- Capsule format for ease of use.
- Effective and reliable protection of final filters, including 0.2 µm and 0.1 µm sterilizing grade, providing higher throughputs, and longer filter life.
- Low hold-up volumes.
- High-strength design allows for multiple autoclave cycles.
- Supplied with certificate of test, giving batch traceability.

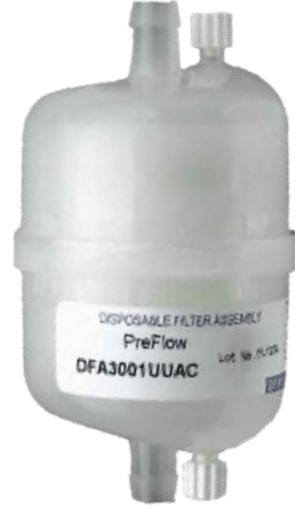


Fig 1. PreFlow media in DFA capsule filter.



Applications

The PreFlow range of filters has been specifically designed for the filtration of biological fluids including:

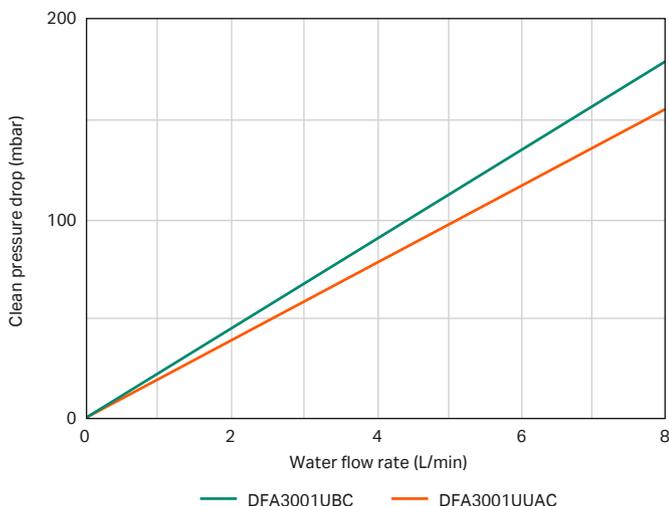
- Serum
- Vaccines
- Cell culture media
- Protein solutions

Technical information

Materials of construction

Filter medium	Resin-bonded glass fiber
Core, end caps	Polypropylene
Support, drainage	Polypropylene
Shell	Polypropylene

Typical water flow rates at 20°C¹



¹ For fluids at 1cP viscosity.
For other viscosities, divide flow rate by viscosity in cP.

Operating conditions²

Maximum operating temperature	40°C
Maximum operating pressure	3.5 barg (50 psig)

² In compatible fluids which do not soften, swell or adversely affect the filter or its materials of construction.

Typical extractables in water at 20°C after four hours extraction

DFA3001UUAC	< 10 mg
DFA3001UBC	< 30 mg

Filtration area (nominal)

930 cm²

Autoclaving sterilization³

3 × 1 hour cycles at 125°C

³ This product must not be sterilized *in situ* by passing steam through under pressure.

Dimensions (nominal)

Height	124 mm
Maximum diameter	72 mm
Connections	10 mm hose barb

Ordering information

Removal rating	Product code
0.2 µm	DFA3001UUAC
0.45 µm	DFA3001UBC

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