



High purity and convenience in microfiltration, particle removal, and endotoxin elimination.

Disposable depth capsule filters are a modern solution for liquid and gas filtration in industries such as food, pharmaceutical, and biotechnology. They consist of capsules containing filter media (e.g., nonwoven fabrics, membranes), providing high purity and eliminating the need for cleaning. Available with filtration ratings from 0.25 to 15 microns, they are used in microfiltration as well as for particle and endotoxin removal. Depth filtration enables more effective retention of contaminants within the filter media.

Technical data

Material of shell:

polypropylene

Filter media:

Cellulose fibers

Diatomaceous earth

Powdered activated carbon

Resin

Dimensions

MC1 - 1" (2,54cm)

MC2 - 2,5" (6,35cm)

MC5 - 5" (12,7cm)

MC10 - 10" (25,4cm)

MC20 - 20" (50,8cm)

MC30 - 30" (76,2cm)

Filter area

Single-layer filter

23cm² - 2880 cm²

Double-layer filter

23cm² - 1500 cm²

Operating parameters

Max flow rate:

0.05 L - 50 L

Max operating pressure:

2.5 bar (36 psi) @ 22 °C

5.5 bar (80 psi) @ 22 °C

FEATURES

- Lowest levels of extractables
- No cleaning required, single-use product
- Higher contaminant retention capacity
- Increased flow rates
- Filtration accuracy from 0.25 µm to 15 µm
- Up to 2880 cm² of filtration surface area
- Autoclavable

APPLICATION

- Separation/Prefiltration
- Re-clarification
- Separation of cells from cell culture medium
- Cell culture clarification
- DNA reduction
- Endotoxin reduction
- Host cell protein (HCP) reduction
- Protein aggregate removal
- Decolorization