

Supracap™ 50 Depth Filter Capsules

Scalable capsule with Seitz® high performance depth filter media



- ▶ Low hold-up volume allows for increased product recovery and requires low post-use rinse volumes. For filtration of 1 - 3 L.
- ▶ Offers greater flexibility and assurance of application success from development to production scale. Scalable to Pall's entire line of traditional SUPRAdisc™ modules, as well as Stax™ capsules.
- ▶ Seitz BIO 20 media is ideal for ion sensitive products, such as parenteral solutions, therapeutic proteins, dialysis solutions, and protein-based diagnostics.
- ▶ Seitz P900 media applications include course filtration in the biotechnological industries.
- ▶ Seitz HP-Series media performs exceptionally well in low viability, high solids-containing applications, and with wider distribution of particle sizes in biotech applications.

Applications

- ▶ Cell harvesting.
- ▶ Clarification of fermentation broth.
- ▶ Antibiotics.
- ▶ Vaccines.
- ▶ Blood plasma proteins and serum.
- ▶ Media.

Specifications

Materials of Construction

Capsule: Polycarbonate

Vent: Polypropylene

Media:

Seitz BIO 20

Highly purified natural and modified celluloses, free from inorganic materials

Seitz P-Series

Comprised of cellulose fibers, filter aids (diatomaceous earth and perlite), and resins

Seitz HP-Series

Two distinct layers of Seitz P-Series depth filter sheets that feature a more permeable layer followed by a less permeable layer (PDD1, PDE2, PDH4, and PDK5)

Effective Filtration Area

22 cm² (0.024 ft²)

Nominal Dimensions

Maximum Height (Single Layer):

42 mm (1.65 in.)

Maximum Height (HP Media):

52 mm (2.05 in.)

Maximum Diameter: 64 mm (2.52 in.)

Maximum Operating Temperature and Pressure*

3 bar (300 kPa, 44 psi) at 40 °C (140 °F)

Maximum Differential Pressure*

1.5 bar (22 psi) @ 25 °C (77 °F)

Sterilization

Autoclave 1 cycle: 125 °C (248 °F) for 30 min.

Biological Safety

All plastic components used in construction meet the specifications for Biological Reactivity Tests *In Vivo* for Class VI Plastics (121 °C) as described in the current United States Pharmacopoeia (USP).

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

Ordering Information

Supracap 50 Depth Filter Capsules

Part Number	Description	Pkg
SC050B020	0.4 - 1.0 µm, Seitz BIO 20 media	1/pkg
SC050P100	1.0 - 3.0 µm, Seitz P100 media	1/pkg
SC050P200	3.0 - 6.0 µm, Seitz P200 media	1/pkg
SC050P250	4.0 - 9.0 µm, Seitz P250 media	1/pkg
SC050P700	6.0 - 15.0 µm, Seitz P700 media	1/pkg
SC050P900	8.0 - 20.0 µm, Seitz P900 media	1/pkg
SC050PDD1	0.1 - 0.85 µm, Seitz PDD1 media	1/pkg
SC050PDE2	0.2 - 3.5 µm, Seitz PDE2 media	1/pkg
SC050PDH4	0.5 - 15.0 µm, Seitz PDH4 media	1/pkg
SC050PDK5	1.5 - 20 µm, Seitz PDK5 media	1/pkg
SC050XAK7	Seitz AKS7 media (activated carbon)	1/pkg