Pall Corporation

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# Supracap™ 100 Depth Filter Capsules

## Description

### Scalable Capsule with Seitz® High Performance Depth Filter Media

- Flexible choices in filter media for prefiltration and removal of coarse particulate.
- Low hold-up volume allows for increased product recovery and requires low post-use rinse volumes.
  For filtration of 3 to 100 L.
- Mechanically robust design provides unobstructed process flows, consistent and scalable filtration results, and high filter media integrity.
- Completely disposable technology eliminates the need for cleaning and cleaning validation.
- Encapsulated design reduces operator exposure to potential biohazards.
- Tested and certified. Manufactured under a Quality Management System certified to ISO 9000 and ISO 9001, and an Environmental Management System certified to ISO 14001.
- Offers 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.

UpScale ScaleUp

## Application

- Biopharmaceuticals
- Mammalian cell cultures
- Therapeutic proteins
- *E.coli* lysates and refolds
- Vaccines
- Blood plasma proteins and serum
- Media
- Yeast

## Specifications

### Materials of Construction

- Housing Bowl: Polypropylene
- Housing Head[1]: Polypropylene
- O-rings: Silicon elastomers
- 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

- NP5L Single Layer: 0.05 $m^2$ (0.54 $ft^2$)
- NP5L HP-version: 0.025 $m^2$ (0.27 $ft^2$)
- NP6 Single Layer: 0.1 $m^2$ (1.08 $ft^2$) NP6
- HP-version: 0.05 $m^2$ (0.54 $ft^2$)

### Nominal Dimensions

- NP5 and NP6 Maximum Diameter: 154 mm (6.1 in.)
- NP5 Maximum Height With Hose Barb Inlet/Outlet: 263 mm (10.4 in.)
- NP6 Maximum Height With Hose Barb Inlet/Outlet: 397 mm (15.6 in.)
- NP5 Maximum Height With Sanitary Inlet/Outlet: 213 mm (8.4 in.)
- NP6 Maximum Height With Sanitary Inlet/Outlet: 335 mm (13.2 in.)

### Maximum Operating Temperature and Pressure[2]

- 3 bar (300 kPa, 44 psi) at 40 °C (104 °F)

### Maximum Differential Pressure[2]

- 2.4 bar (35 psi)

### Sterilization

- Autoclave 1 cycle: 125 °C (257 °F) for 60 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).

[1]*Formulated with TiO2 whitener, which does not contribute to organic extractables.*
[2]*In compatible fluids that do not soften, swell, or adversely affect the filter or its materials of construction.*

## Ordering Information

*All part numbers ending in "1" have a 1 - 1 1/2 in. sanitary flange inlet/outlet.
**All part numbers ending in "6" have a 13 mm (1/2 in.) single hose barb inlet/outlet.

| Part Number | Description | Pkg | Price | Qty |
|---|---|---|---|---|
| **Supracap 100 Capsules, 5 in.** | | | | |
| NP5LB0201* | 0.4 - 1.0 µm, Bio 20 media | 1/pkg | N/A | 0 |
| NP5LB0206** | 0.4 - 1.0 µm, Bio 20 media | 1/pkg | N/A | 0 |
| NP5LP1001* | 1.0 - 3.0 µm, P100 media | 1/pkg | N/A | 0 |
| NP5LP1006** | 1.0 - 3.0 µm, P100 media | 1/pkg | N/A | 0 |
| NP5LP2001* | 3.0 - 6.0 µm, P200 media | 1/pkg | N/A | 0 |
| NP5LP2006** | 3.0 - 6.0 µm, P200 media | 1/pkg | N/A | 0 |
| NP5LP2501* | 4.0 - 9.0 µm, P250 media | 1/pkg | N/A | 0 |
| NP5LP2506** | 4.0 - 9.0 µm, P250 media | 1/pkg | N/A | 0 |
| NP5LP7001* | 6.0 - 15.0 µm, P700 media | 1/pkg | N/A | 0 |
| NP5LP7006** | 6.0 - 15.0 µm, P700 media | 1/pkg | N/A | 0 |
| NP5LP9001* | 8.0 - 20.0 µm, P900 media | 1/pkg | N/A | 0 |
| NP5LP9006** | 8.0 - 20.0 µm, P900 media | 1/pkg | N/A | 0 |
| NP5LPDD11* | 0.1 - 0.85 µm, PDD1 media | 1/pkg | N/A | 0 |
| NP5LPDD16** | 0.1 - 0.85 µm, PDD1 media | 1/pkg | N/A | 0 |
| NP5LPDE21* | 0.2 - 3.5 µm, PDE2 media | 1/pkg | N/A | 0 |
| NP5LPDE26** | 0.2 - 3.5 µm, PDE2 media | 1/pkg | N/A | 0 |

| | | | | |
|---|---|---|---|---|
| NP5LPDH41* | 0.5 - 15.0 µm, PDH4 media | 1/pkg | N/A | 0 |
| NP5LPDH46** | 0.5 - 15.0 µm, PDH4 media | 1/pkg | N/A | 0 |
| NP5LPDK51* | 1.5 - 20.0 µm, PDK5 media | 1/pkg | N/A | 0 |
| NP5LPDK56** | 1.5 - 20.0 µm, PDK5 media | 1/pkg | N/A | 0 |

**Supracap 100 Capsules, 10 in.**

| | | | | |
|---|---|---|---|---|
| NP6B0201* | 0.4 - 1.0 µm, Bio 20 media | 1/pkg | N/A | 0 |
| NP6B0206** | 0.4 - 1.0 µm, Bio 20 media | 1/pkg | N/A | 0 |
| NP6P1001* | 1.0 - 3.0 µm, P100 media | 1/pkg | N/A | 0 |
| NP6P1006** | 1.0 - 3.0 µm, P100 media | 1/pkg | N/A | 0 |
| NP6P2001* | 3.0 - 6.0 µm, P200 media | 1/pkg | N/A | 0 |
| NP6P2006** | 3.0 - 6.0 µm, P200 media | 1/pkg | N/A | 0 |
| NP6P2501* | 4.0 - 9.0 µm, P250 media | 1/pkg | N/A | 0 |
| NP6P2506** | 4.0 - 9.0 µm, P250 media | 1/pkg | N/A | 0 |
| NP6P7001* | 6.0 - 15.0 µm, P700 media | 1/pkg | N/A | 0 |
| NP6P7006** | 6.0 - 15.0 µm, P700 media | 1/pkg | N/A | 0 |
| NP6P9001* | 8.0 - 20.0 µm, P900 media | 1/pkg | N/A | 0 |
| NP6P9006** | 8.0 - 20.0 µm, P900 media | 1/pkg | N/A | 0 |
| NP6PDD11* | 0.1 - 0.85 µm, PDD1 media | 1/pkg | N/A | 0 |
| NP6PDD16** | 0.1 - 0.85 µm, PDD1 media | 1/pkg | N/A | 0 |
| NP6PDE21* | 0.2 - 3.5 µm, PDE2 media | 1/pkg | N/A | 0 |
| NP6PDE26** | 0.2 - 3.5 µm, PDE2 media | 1/pkg | N/A | 0 |
| NP6PDH41* | 0.5 - 15.0 µm, PDH4 media | 1/pkg | N/A | 0 |
| NP6PDH46** | 0.5 - 15.0 µm, PDH4 media | 1/pkg | N/A | 0 |
| NP6PDK51* | 1.5 - 20.0 µm, PDK5 media | 1/pkg | N/A | 0 |
| NP6PDK56** | 1.5 - 20.0 µm, PDK5 media | 1/pkg | N/A | 0 |

## Contact Information

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