



Sartoclear® P Caps

Screening for the right filter media



- Fast & easy media screening
- Minimised product loss due to very small surface area
- Scale up possibilities with MaxiCaps®

Sartoclear® P Caps are small scale depth filter products for screening applications in the Biopharmaceutical industry. The cellulose based depth filters combine high dirt holding capacities with electro kinetic adsorption in a single closed filtration system.

Applications

The specific characteristics of Sartoclear® P depth filters have proven to be valuable in a variety of clarification applications like:

- Cell harvest & Cell debris clarification
- Lysates from bacteria and yeasts
- Removal of precipitates from sera and plasma
- Particle and colloid removal

По вопросам продаж и поддержки обращайтесь:

Астана+7(7172)727-132, Волгоград(844)278-03-48, Воронеж(473)204-51-73, Екатеринбург(343)384-55-89,
Казань(843)206-01-48, Краснодар(861)203-40-90, Красноярск(391)204-63-61, Москва(495)268-04-70,
Нижний Новгород(831)429-08-12, Новосибирск(383)227-86-73, Ростов-на-Дону(863)308-18-15, Самара(846)206-03-16,
Санкт-Петербург(812)309-46-40, Саратов(845)249-38-78, Уфа(347)229-48-12

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Sartoclear® P Depth Filter Media

Offering a maximal performance for every application, Sartoclear® P filter media are available in 6 different grades. The different variations of special selected cellulose fibres and diatomaceous earth provide a range

of filters, each having its own dirt holding and contaminant adsorption characteristics. Small scale, 25 cm², Sartoclear® P Caps are available to screen for the most optimal filter grade per application.

Specifications

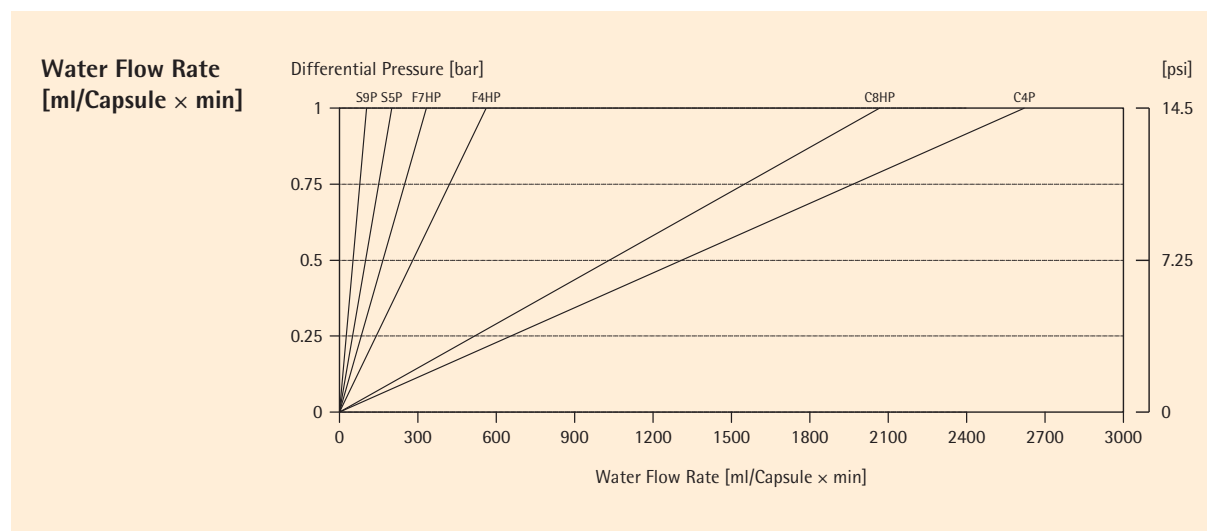
| Grade | Nominal retention µm | Thickness mm | Weight kg/m ² | Ash content % | Water flow L/m ² /min |
|-------|-------------------------|-----------------|-----------------------------|------------------|-------------------------------------|
| C4-P | 8 | 4.1 | 0.93 | 20 | 1,250 |
| C8HP | 4 | 4.1 | 1.08 | 35 | 700 |
| F4HP | 1.5 | 4.1 | 1.26 | 45 | 205 |
| F7HP | 1.0 | 4.0 | 1.42 | 50 | 100 |
| S5-P | 0.3 | 4.0 | 1.55 | 50 | 70 |
| S9-P | 0.1 | 4.0 | 1.64 | 48 | 42 |

Sartoclear® P Multilayer combinations

Typical applications often require two or more filter media grades. The 4 most common media combinations have been selected and put together in one capsule.

Multilayer filters combine two process steps in one, which results in faster processing, reduced buffer costs and reduced footprint.

| Media Grade | Application | Media combination |
|-------------|---|-------------------|
| PB1 | Post Bioreactor fluids with high cell densities and low viabilities | C3 + C8H |
| PB2 | Post Bioreactor fluids with common cell densities and viabilities | C4 + F7H |
| PC1 | Post Centrifuge applications (100 – 150 FNU) | F7H + S5 |
| PC2 | Post Centrifuge applications (<100 FNU) | S5 + S5 |



Validation

All Sartoclear® P products are validated according to the quality standards for WFI, set by the current USP. Detailed information on the methods and the validation data can be found in the Validation Guide for Sartoclear® P Sheets and Modules.



Materials

| | |
|--------------------|---|
| Depth Filter media | Cellulose depth filter media with inorganic filter aids |
| End caps | Polypropylene |

Operating parameters

| | |
|--------------------------------------|--------------------|
| Max. allowable differential pressure | 2.0 bar 36 psi |
| Max. allowable back pressure | 0.03 bar 0.4 psi |

Sterilization

1 cycle of wet autoclaving 121°C at 1 bar for 30 min. Sartoclear® P Caps may not be in line steam sterilized!

Biosafety

All materials of this filter element meet the requirements of the current USP <88> Class VI test for plastics.

| | |
|-----------|--------------|
| LAL level | < 0.25 EU/ml |
|-----------|--------------|

Metal extractables see corresponding validation guide.

Connectors

| | |
|--------|----------------------|
| Inlet | 3/4" Sanitary flange |
| Outlet | 3/4" Sanitary flange |

Ordering information

All Sartoclear® P Caps do have 3/4" Triclamp connectors at the in- and outlet.

| Order No. | Grade | Description | Qty. |
|------------------|-------|--|------|
| 293C4-P13ACFF--M | C4HP | Single Layer 25 cm ² Cap, Cell Harvest | 3 |
| 293C8HP13ACFF--M | C8HP | Single Layer 25 cm ² Cap, Cell Harvest | 3 |
| 293F4HP13ACFF--M | F4HP | Single Layer 25 cm ² Cap, Clarification | 3 |
| 293F7HP13ACFF--M | F7HP | Single Layer 25 cm ² Cap, Clarification | 3 |
| 293S5-P13ACFF--M | S5P | Single Layer 25 cm ² Cap, Bioburden reduction | 3 |
| 293S9-P13ACFF--M | S9P | Single Layer 25 cm ² Cap, Bioburden reduction | 3 |
| 295PB1P13ACFF--M | PB1 | Post Bioreactor 1, Multilayer 25 cm ² Cap | 3 |
| 295PB2P13ACFF--M | PB2 | Post Bioreactor 2, Multilayer 25 cm ² Cap | 3 |
| 295PC1P13ACFF--M | PC1 | Post Centrifuge 1, Multilayer 25 cm ² Cap | 3 |
| 295PC2P13ACFF--M | PC2 | Post Centrifuge 2, Multilayer 25 cm ² Cap | 3 |

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