SARTORIUS

Product Datasheet

Sartolab® P20 Pressure Filter Units

Compact Design for the Filtration of Large Volumes



DOMINIQUE DUTSCHER SAS

Benefits

- Highest flow rates with a large surface of filtration (20 cm^2)
- No loss of protein with a low binding membrane
- Low dead volume due to an optimized membrane support
- Versions available with a prefilter for high particle load solutions

Product Information

Sartolab® P20 devices are ready-to-use pressure filter units for general laboratory use like the clarification and sterile filtration of media and aqueous solutions in batches from 100 mL to 10 L. Sartolab® P20 Plus with an incorporated prefilter is recommended for difficult-to-filter solutions like, for example, media that contains serum. The Sartolab® P20 Prefilter is designed to clarify solutions with high particle loads.

Membrane of Choice
Polyethersulfone (PES) is the membrane of choice for the Sartolab® P20 pressure filter units, as it combines very low protein binding properties with the highest flow rates. The Sartolab® P20 pressure filter unit is available either with 0.2 µm or 0.45 µm PES membranes, with or without a prefilter made of high purity quartz microfibers. An additional version containing glass microfiber only is also available for clarification purposes.

Compact Design
Sartolab® P20 pressure filter units have been designed to filter batches from 100 mL to 10 L, either using a syringe or in-line with a peristaltic pump, or a pressure vessel. Sartolab® P20 pressure filter units are available in different configurations, with or without PTFE automatic venting, with or without a filling bell (including cover) on the outlet and with a combination of different inlet and outlet connectors to meet the needs of most applications.

Technical Specifications

Different Filter Materials	0.2 µm polyethersulfone 0.45 µm polyethersulfone High purity binder-free quartz microfibers High purity binder-free glass microfibers
Housing Material	Transparent polycarbonate
Filter Housing Diameter	61 mm
Filtration Area	20 cm^2
Holdup Volume	Sartolab® P20: 1 mL Sartolab® P20 Plus: 1.2 mL Sartolab® P20 Prefilter: 1 mL
Filtration Range	Sartolab® P20: 100 mL to 5 L Sartolab® P20 Plus: 100 mL to 10 L Sartolab® P20 Prefilter: 100 mL to 10 L
Recommended Max. Inlet Pressure	Sartolab® P20 and Sartolab® P20 Plus: 4 bar Sartolab® P20 Prefilter: 0.8 bar
pH Range	1 – 10
Housing Burst Pressure	≥ 5 bar
Autoclavable	121°C
Packaging	Sterile versions: single-packaged in a tyvek pouch Non sterile versions: bulk-packaged

DOMINIQUE DUTSCHER SAS

Ordering Information

Sartolab® P20

Order Number	Filter Material	Inlet	Outlet	PTFE Venting	Filling Bell	Sterilization (EO)	Qty./ Pack
18075----------D	0.2 µm PES	Female Luer-Lock	Hose barb	no	no	yes	10
18075--------UPN	0.2 µm PES	Female Luer-Lock	Hose barb	no	no	no	100
18089----------D	0.2 µm PES	Hose barb	Hose barb	yes	yes	yes	10
18090----------D	0.2 µm PES	Female Luer-Lock	Male Luer-Lock	no	no	yes	10

Sartolab® P20 Plus

Order Number	Filter Material	Inlet	Outlet	PTFE Venting	Filling Bell	Sterilization (EO)	Qty./ Pack
18068----------D	Quartz microfibers & 0.2 µm PES	Female Luer-Lock	Hose barb	yes	yes	yes	10
18076----------N	Quartz microfibers & & 0.45 µm PES	Hose barb	Hose barb	no	no	no	100
18091----------D	Quartz microfibers & 0.2 µm PES	Hose barb	Hose barb	yes	yes	yes	10
18092----------D	Quartz microfibers & 0.2 µm PES	Female Luer-Lock	Male Luer-Lock	no	no	yes	10

Sartolab® P20 Prefilter

Order Number	Filter Material	Inlet	Outlet	PTFE Venting	Filling Bell	Sterilization (EO)	Qty./ Pack
18072----------D	Glass microfibers	Female Luer-Lock	Hose barb	no	no	no	10

DOMINIQUE DUTSCHER SAS

Germany
Sartorius Lab Instruments GmbH & Co. KG
Otto-Brenner-Strasse 20
37079 Goettingen
Phone +49 551 308 0

USA
Sartorius Corporation
565 Johnson Avenue
Bohemia, NY 11716
Phone +1 631 254 4249
Toll-free +1 800 635 2906

For further contacts, visit
www.sartorius.com

DOMINIQUE DUTSCHER SAS

Specifications subject to change without notice.
Copyright Sartorius Lab Instruments GmbH & Co. KG.
Status: 04 | 2025