

Efficient processing of liquid volumes up to 2 L



- ▶ Supor membrane has high flow rates and throughputs, and is ideal for solutions where low protein binding is required. Not recommended for use with some ketones.
- ▶ Efficiently processes up to 2 L of chemical and biological fluids.
- ▶ Sterilization by gamma irradiation eliminates potential contamination by EtO residuals.
- ▶ Upstream vent prevents vapor lock.
- ▶ Built-in prefilter extends filter life when particulate-laden solutions such as serum-containing media are processed.

Applications

- ▶ Designed to add convenience to small- and medium-volume filtration (sterile and non-sterile).
- ▶ Suitable for use with fluids containing dilute proteins, preservatives, or other critical components.
- ▶ Sterile filtration of media and buffers.

Specifications

Materials of Construction

Filter Media: Supor [hydrophilic polyethersulfone (PES)] membrane
 Housing, Vent Plug: Polypropylene
 Sealing Technology: Thermal bonding
 Filling Bell: Polycarbonate

Pore Size

0.8/0.2 µm

Effective Filtration Area

20 cm²

Dimensions

Housing Length: 8.3 cm (3.3 in.)
 Housing Diameter: 6.7 cm (2.7 in.)

Inlet/Outlet Connections

6.4 - 12.7 mm (1/4 - 1/2 in.) diameter stepped hose barb with female luer slip interior and filling bell outlet

Typical Hold-Up Volume

(with 10 psi air purge)
 ≤ 2.5 mL

Maximum Operating Temperature and Pressure

60 °C (140 °F) at 1.0 bar (100 kPa, 15 psi)
 4.1 bar (410 kPa, 60 psi) at 21 - 24 °C (70 - 75 °F)

Recommended Integrity Test

Minimum Bubble Point - Water
 3.5 bar (350 kPa, 51 psi)

Typical Water Flow Rate

mL/min at 0.1 bar (10 kPa): 40
 mL/min/psi: 28

Bacterial Retention

Lot samples retain a minimum of 10⁷ cfu/cm² of *B. diminuta* per modified ASTM F838, current revision

Endotoxin Level

< 0.25 EU/mL using Limulus Amoebocyte Lysate (LAL) test

Biological Safety

Passes United States Pharmacopeia (USP) Biological Reactivity Test, *In Vivo* <88>

Sterilization

Can withstand one autoclave cycle at 125 °C (257 °F) for 60 minutes; water wet capsule prior to autoclaving. PN 12203 is sterilized by gamma irradiation and individually packaged.

Ordering Information

AcroPak 20 Filters With Supor Membrane

Part Number	Description	Pkg
12202	0.8/0.2 µm, non-sterile, with filling bell	3/pkg
12203	0.8/0.2 µm, gamma-irradiated, with filling bell	3/pkg

Related Products

AcroCap™ Positive Pressure Devices	124
Acrodisc® Syringe Filters With Supor Membrane	117, 118, 123
AcroPak™ Sterile Capsules With Supor Membrane	132, 137
Supor Membrane Disc Filters	111
VacuCap® Vacuum Filtration Devices	127