

Minisart® 0.2 µm Syringe Filter Holders for Rapid Small Volume Sterilization with Maximum User Comfort



Ready-to-use units, which offer high flow rates at low inlet pressures, make an correspondingly rapid sterile filtration possible. Fitted on a standard syringe, they enable a less hand-tiring sterilization of up to 100 ml of liquid. A Minisart fitted on a standard dosing syringe makes up a very convenient system for simultaneous dosing and sterilization.

The combination of a large filtration area and a optimised geometry of the filter support, which are responsible for the high flow rates, also ensures high total throughputs.

Minisart plus units are of advantage for the sterilization of difficult to filter liquids. They include a fine glass fibre prefilter on the filter membrane, a combination which is so effective that throughputs can often be doubled. Minisarts and their packaging are environmentally friendly, free of PVC!

Minisart High flow are syringe filter holders with a polyethersulfone membrane for the sterile filtration at higher flow rates and a higher filtration speed.

Specifications for 0.2 µm Minisarts and Minisart plus

Adsorption	Values determined for the cellulose acetate membrane, 0.8–3 µg/cm ² with RSA, 8–12 µg/cm ² with gamma globulin.
Bubble point	With water, minimum value 3.4 bar (340 kPa, 49.5 psi) manual measurement. Values determined by Sartocheck can be lower by 0.1–0.2 bar.
Color coding	Blue
Connectors	Female luer lock inlet, male luer lock outlet. Alternatively only for standard Minisarts male luer slip outlet.
Cytotoxicity	No inhibition with MRC-5 or L-929 cells
Endotoxins	Endotoxin-output below the detection limit of the tests (0.06 EU/ml)
Filter diameter	26 mm
Filter area	5.3 cm ²
Flow rate	Typical values for water at p = 1 bar (100 kPa, 14.5 psi) 60 ml/min
Hold-up volume	0.1 ml for standard Minisarts, 0.23 ml for Minisart plus
Application	Max. recommended operational pressure: 4.5 bar (450 kPa, 65 psi) limits housing burst pressure, 6 bar (600 kPa, 87 psi) and higher Max. temperature, 50°C
Materials	Cellulose acetate membrane filters, glass fibre prefilters (only for Minisart plus), MBS polymerisate

Order numbers for 0.2 µm Minisart

Pack of 50, sterile, individually packed	16534 K with luer lock outlet 17597 K with male luer lock outlet
Pack of 500, not sterile bulk packed	16534 Q with luer lock outlet 17597 Q with male luer slip outlet

Order numbers for 0.2 µm Minisart plus

Pack of 50, sterile, individually packed	17823 K with luer lock outlet
Pack of 500, not sterile bulk packed	17823 Q with luer lock outlet

Order numbers for Minisart high flow

0.1 µm, pack of 50, sterile, individually packed	16553 K with luer lock outlet
0.2 µm, pack of 50, sterile, individually packed	16532 K with luer lock outlet 16541 K with luer slip outlet
0.45 µm, pack of 50, sterile, individually packed	16533 K with luer lock outlet 16537 K with luer slip outlet

Special brochure available. Order no. SL-0003-e