

Filtration units, syringe, Minisart®



Syringe filter holders for rapid small volume sterilization. Ready-to-use units, which offer high flow rates at low inlet pressures, make a 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 an optimised geometry of the filter support, which are responsible for the high flow rates, also ensure high total throughputs.



FS/630

| Technical Specifications | |
|--------------------------|--|
| Adsorption | Values determined for the cellulose acetate membrane, 0.8–3 µg/cm2 with RSA, 8–12 µg/cm2 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. |
| Colour coding | Blue |
| Endotoxins | Endotoxin-output below the detection limit of the tests (0.06 EU/ml) |
| Filter diameter | 26 mm |
| Filter area | 5.3 cm2 |
| 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 limits | Max. recommended operational pressure: 4.5 bar (450 kPa, 65 psi) |
| 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. |

| Cat. No. | Code | Description | Pk Qty |
|----------|--------|---|--------|
| FS/63002 | 16534K | Minisart, 0.2µm, sterile with male luer lock outlet, individual wrap | 50 |
| FS/63004 | 17597K | Minisart, 0.2µm, sterile with male luer slip outlet single wrap | 50 |
| FS/63006 | 17597Q | Minisart, 0.2µm, non sterile with male luer slip outlet bulk wrap | 500 |
| FS/63008 | 17823K | Minisart PLUS, 0.2µm with glass fibre pre-filter, sterile with luer lock outlet, single wrap | 50 |
| FS/63010 | 17823Q | Minisart PLUS, 0.2µm with glass fibre pre-filter, non sterile with luer lock outlet bulk wrap | 500 |

Filtration hardware

Filtration system, 47mm, PYREX®



Comprises four components, funnel 300ml capacity, support base with sintered disc and vacuum connection, metal retaining clip, 1000ml conical flask suitable for use under vacuum.

- All glass filtration system for use with 47mm diameter membranes
- Borosilicate glass sintered disc to support membrane
- Fully autoclavable
- Ideal for microbiology



FH/15808

| Cat. No. | Description |
|------------|---|
| FH/15808 | Filtration system complete |
| Components | |
| FH/15810 | Funnel 300ml capacity |
| FH/15812 | Support base with sintered disc and vacuum connection for 9mm bore tubing |
| FH/15814 | 1000ml conical flask suitable for use under vacuum |
| FH/15816 | Metal retaining clip |