

Minisart RC Syringe Filter Holders

Ready-to-use syringe disposable filter units for simple, rapid and reliable ultra-cleaning of small volumes of samples for HPLC, GC or any application where small volume, fine filtering is required. **Minisart-RC4** is recommended for up to approx. **1 ml** sample volumes, **Minisart-RC15** for up to **5ml** and **Minisart-RC25** for up to **100 ml**.

Minisart RC units outperform competitive hydrophilic units in terms of compatibility with aqueous solutions and solvent mixtures.

The **hydrophilic, solvent resistant, RC membrane** is compatible with:

Acetic acid (96%)	Ethyl acetate	Methylene chloride
Acetone	Ethanol	Methyl ethyl ketone
Acetonitrile	Ethylene glycol	Pentane
n-Butanol	Freon TF	Tetrahydrofuran
Cellosolve (ethyl)	Gasoline (Petrol)	Toluene
Chloroform	Hexane	Trichloroacetic acid (25%)
Diethyl acetamide	Isobutanol	Trichloroethane
Dimethyl sulphoxide	Isopropanol	Water
Dioxane	Methanol	Xylene



Specifications for Minisart RC Units:

<i>Bubble points</i>	Water wetted, approx. 4.0 bar (0.45 µm), 5.4 bar (0.2 µm) 4 mm (RC4), 15 mm (RC15), 25 mm (RC25)
<i>Connectors</i>	Female Luer lock inlet, male Luer slip outlet.
<i>Filter areas</i>	Diameters 0.07 cm ² (RC4). 1.7 cm ² (RC15). 4.8 cm ² (RC25)
<i>Flow rates</i>	Typical values at Δp = 1 bar (100 kPa): for methanol RC4: 3.0 ml/min (0.45 µm), 1.5 ml/min (0.2µm) RC15: 105 ml/min (0.45 µm), 55 ml/min (0.2 µm) RC25: 325 ml/min (0.45 µm), 160 ml/min (0.2 µm)
<i>Limits</i>	Max. operating pressure and min. housing burst pressure, 6.0 bar (600 kPa). Max. temperature 121°C (autoclave)
<i>Materials</i>	Regenerated cellulose membrane, Polypropylene housing
<i>Volumes</i>	Priming/hold-up volumes: 0.17 ml/5 µl, (RC4), 0.2 ml/10 µl (RC15). Approx. 0.95ml/150 µl (RC25)

Order Numbers for Minisart RC4

F114/RC4	with 0.2 µm membrane (pack of 50)
F115/RC4	with 0.2 µm membrane (pack of 500)
F116/RC4	with 0.45 µm membrane (pack of 50)
F117/RC4	with 0.45 µm membrane (pack of 500)

RC4



Minisart RC15

F114/RC15	with 0.2 µm membrane (pack of 50)
F115/RC15	with 0.2 µm membrane (pack of 500)
F116/RC15	with 0.45 µm membrane (pack of 50)
F117/RC15	with 0.45 µm membrane (pack of 500)

RC15



Minisart RC25

F114/RC25	with 0.2 µm membrane (pack of 50)
F115/RC25	with 0.2 µm membrane (pack of 500)
F116/RC25	with 0.45 µm membrane (pack of 50)
F117/RC25	with 0.45 µm membrane (pack of 500)

RC25

