



## Minisart® RC Units with Hydrophilic, Solvent-resistant RC-membranes

Ready-to-use syringe filter units for simple, rapid and reliable ultracleaning of small-volume samples for the HPLC or GC analysis.

Minisart RC4 is recommended for sample volumes of up to about 5 ml and Minisart RC25 for sample volumes of up to about 100 ml.

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

They are compatible with the following substances:

Acetone	Hexane
Acetonitrile	Isobutanol
Gasoline	Isopropanol
n-Butanol	Methanol
Cellosolve (ethyl)	Methylenechloride
Chloroform	Methylethylketone
Diethyl acetamide	Pentane
Dimethyl sulfoxide	Tetrahydrofuran
Dioxane	Toluene
Acetic acid (96%)	Trichloroacetic acid (25%)
Ethanol	Trichlorethane
Ethyl acetate	Water
Ethylene glycol	Xylene
Freon TF	

### Specifications for Minisart RC4, RC15 and RC25

Connectors	Female luer lock inlet. Luer slip outlet
Bubble point with water	> 2.0 bar (0.45 µm), > 3.4 bar (0.2 µm)
Flow rate for hexane at $\Delta p = 1$ bar (100 kPa, 14.5 psi),	
Minisart RC4	10 ml/min (0.45 µm), 3.5 ml/min (0.2 µm)
Minisart RC15	280 ml/min (0.45 µm), 140 ml/min (0.2 µm)
Minisart RC25	430 ml/min (0.45 µm), 230 ml/min (0.2 µm)
Flow rate for methanol at $\Delta p = 1$ bar (100 kPa, 14.5 psi),	
Minisart RC4	3.0 ml/min (0.45 µm), 1.5 ml/min (0.2 µm)
Minisart RC15	105 ml/min (0.45 µm), 55 ml/min (0.2 µm)
Minisart RC25	325 ml/min (0.45 µm), 160 ml/min (0.2 µm)
Flow rate for water at $\Delta p = 1$ bar (100 kPa, 14.5 psi),	
Minisart RC4	1.5 ml/min (0.45 µm), 0.5 ml/min (0.2 µm)/3 bar
Minisart RC15	30 ml/min (0.45 µm), 10 ml/min (0.2 µm)
Minisart RC25	100 ml/min (0.45 µm), 60 ml/min (0.2 µm)
Filter diameter	4 mm (RC4), 15 mm (RC15), 25 mm (RC25)
Filter area	0.07 cm <sup>2</sup> (RC4), 1.7 cm <sup>2</sup> (RC15), 4.8 cm <sup>2</sup> (RC25)
Filling volume	0.17 ml (RC4), 0.2 ml (RC15), ca. 0.95 ml (RC25)
Housing burst pressure	6 bar (600 kPa, 87 psi) and higher
Materials	Polypropylene (housing), Cellulose (membrane filter)
Max. temperature	121°C, 30 min (autoclave)
Pore size	0.45 µm or 0.2 µm
Hold-up volume	5 µl (RC4), 10 µl (RC15), ca. 150 µl (RC25)



### Minisart-NY25 (Nylon)

Versatile filter for both aqueous and solvent-based sample filtration.

Hold-up volume	ca. 0.15 ml	
Outlet connector	Luer slip	
Inlet connector	Female luer lock	
Pore size	0.2 µm	0.45 µm
Order number (50 units)	17845 ACK	17846 ACK
Order number (500 units)	17845 Q	17846 Q
Housing material	Polypropylene	Polypropylene
Membrane filter material	Nylon	Nylon
Membrane filter diameter	25 mm	25 mm
Filter area	4.8 cm <sup>2</sup>	4.8 cm <sup>2</sup>
Priming volume	ca. 0.95 ml	ca. 0.95 ml
Maximum Pressure	600 kPa	600 kPa
Max. temperature (autoclave)	121°C, 30 min	121°C, 30 min
Flow rate for water	50 ml/min	80 ml/min

at  $\Delta p = 100 \text{ kPa}$  (1 bar)

### Order numbers for Minisart RC4

17821 K	With 0.2 µm membrane, pack of 50
17821 Q	With 0.2 µm membrane, pack of 500
17822 K	With 0.45 µm membrane, pack of 50
17822 Q	With 0.45 µm membrane, pack of 500

### Order numbers for Minisart RC15

17761 K	With 0.2 µm membrane, pack of 50
17761 ACK	With 0.2 µm membrane, pack of 50, sterile, individually packed
17761 Q	With 0.2 µm membrane, pack of 500
17762 K	With 0.45 µm membrane, pack of 50
17762 Q	With 0.45 µm membrane, pack of 500

### Order numbers for Minisart RC25

17764 K	With 0.2 µm membrane, pack of 50
17764 ACK	With 0.2 µm membrane, pack of 50, sterile, individually packed
17764 Q	With 0.2 µm membrane, pack of 500
17765 K	With 0.45 µm membrane, pack of 50
17765 Q	With 0.45 µm membrane, pack of 500