



CELLULOSE ACETATE SYRINGE FILTERS WITH GLASS MICROFIBRE

Recommended for clarification, purification and sterilisation of aqueous solutions and biological samples with high particle load.

- Incorporated Surfactant-free Cellulose Acetate membrane and a fine glass microfibre filter, fixed without adhesive to a MBS polymerisate housing.
- Ready to use syringe filter.
- Hydrophilic.
- Low adsorption.
- High flow rates.
- High total throughput.
- Low hold-up volume.
- Minimum extractables.
- Up to 200 ml of sample volume.
- Large filtration area and an optimized geometry of the filter support.
- Pore size from 0.20 µm to 1.2 µm.
- Easy pore size identification by coloured houses.
- Also available in individual sterile peel-packs.
- Not autoclavable, sterilization only feasible by gamma irradiation or ethylene oxide.

TECHNICAL SPECIFICATIONS

Material filter	Surfactant-free Cellulose Acetate membrane Glass microfibre filter		
	Material house	Meta acrylate butadiene styrene polymerisate	
Pore size (µm)	0.20	0.45	1.2
Colour code	blue	yellow	red
Flow rate ⁽¹⁾ (ml/min)	60	160	400
Bubble point (bar)	3.2	2.0	0.7
Filter diameter (mm)	28	28	28
Housing diameter (mm)	33	33	33
Filter area (cm ²)	6.2	6.2	6.2
Hold up volume (ml) (before/after bubble point)	0.4 / 0.23	0.4 / 0.23	0.4 / 0.23
Adsorption ⁽²⁾	0.8-3 µg/cm ² with BSA, 8-12 µg/cm ² with gamma globulin		
Connectors	Female luer lock inlet Male luer lock outlet		
Cytotoxicity	No inhibition with MRC-5 or L-929 cells		
Endotoxins	≤ 0.06 EU/ml		
Max. operational pressure (bar)	4.5	4.5	4.5
Burst pressure (bar)	6	6	6
Max. temperature (°C)	50	50	50
Sterilization methode in sterile version	Ethylene oxide		

⁽¹⁾ Flow rate for water at Δp = 1 bar (100kPa, 14.5 psi)

⁽²⁾ For pores size of 0.2 µm

APPLICATIONS

- Sterile filtration of small volume liquids heavily contaminated.
- Ultra-cleaning, purification, particle removal and clarification of liquids with high particle load.

ORDERING INFORMATION

NON-STERILE

Pore	0.20 µm	0.45 µm	1.20 µm
Units/box			
100	JACFV02025100	JACFV04525100	JACFV12025100
500	JACFV02025500	JACFV04525500	JACFV12025500

STERILE

Pore	0.20 µm	0.45 µm	1.20 µm
Units/box			
50	JACFVS0202550	JACFVS0452550	JACFVS1202550