

## NYLON SYRINGE FILTERS

**Recommended for analytical applications, filtration of samples and solvents for HPLC, in non-extreme conditions**

- Incorporate Nylon membrane fixed without adhesive to a polypropylene housing.
- Hydrophilic
- Compatible with dilute organic solvents (such as acetone, methylene chloride and acetonitrile)
- Do not contain wetting agents
- Up to 100 ml of sample
- Pore size 0.20  $\mu\text{m}$  and 0.45  $\mu\text{m}$
- Sterilization by autoclaving at 121 °C and ethylene oxide

### **Technical specifications:**

Material filter	Nylon (polyamide)	
Material housing	Polypropylene	
Pore	0.2	0.45
Flow rate (1) ml/min	50	80
Bubble point (2) (bar)	3.0	2.0
Filter diameter (mm)	25	25
Housing Diameter (mm)	33	33
Filter area (cm <sup>2</sup> )	4.8	4.8
Hold up volumen (before / after bubble point (ml))	0.3 / 0.1	0.3 / 0.1
Adsorption (3) ( for 0.2 $\mu\text{m}$ )	100 ug/cm <sup>2</sup> with BSA	
Connectors	Female luer lock inlet Male luer slip outlet	
Max. operational pressure (bar)	4.5	4.5
Burst pressure (bar)	6	6

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

(2) Wetting fluid: Isopropyl alcohol

(3) For pores size 0.2  $\mu\text{m}$

**Applications:**

- Filtration and clarification of small volumes
- Sterilisation of aqueous and dilute organic solvents
- HPLC: Filtration of aqueous and organic samples (the filtered samples ensures protection of the column)

Ordering information :

**CELLULOSE ACETATE SYRINGE FILTERS**

Ø	pore		0.20 µm	0.45 µm
	Units			
25 mm	100		JNY02025100	JNY04525100
	500		JNY02025500	JNY04525500