

Re-usable 13 mm Syringe Filter Holder

PTFE Holder for solvents and aggressive liquids for particle removal from small (ml) volumes of samples and solvents. Made completely of PTFE, this holder is unaffected by chemicals and contains no trace elements which could be released into the liquid being filtered. It is therefore extremely well suited for particle removal from samples for instrumental analysis, especially for samples which are sensitive to hydrolysis or oxidation. Used with a PTFE membrane filter, it filters particles out of deuterised solvents for NMR spectroscopy simply and with minimal sample loss because of the very small dead volume. Subsequently it can be rinsed with solvent and dried in an oven at 180°C to remove all traces of water after mounting a new PTFE filter, .

Specifications:

<i>Compatibility</i>	Chemical resistance as for PTFE
<i>Connectors</i>	Luer lock inlet and Luer slip outlet
<i>Dead volume</i>	Less than 0.03 ml after overcoming the bubble point of the filter used
<i>Filter</i>	Requires 13 mm diameter membrane filter Filtration area 0.5 cm ²
<i>Flow rates</i>	Typical values for water at 1 bar (100 kPa), 10 ml/min with 0.2 µm, 18ml/min with 0.45µm pore size filters
<i>Materials</i>	PTFE top and bottom part
<i>Pressure limit</i>	Max. operating pressure, 5 bar (500 kPa)
<i>Sterilisation</i>	By autoclaving (121°C or 134°C) or dry heat (180°C)
<i>Weight</i>	13g
F121	13 mm PTFE syringe filter holder



Inexpensive Polycarbonate Holder

This inexpensive, re-usable holder is made of clear, autoclavable poly-carbonate and contains a silicone gasket for leakproof sealing. It can be used at pressures of up to 7 bar. It is designed for use with aqueous solutions. Filter supports in the top and bottom parts allow filtration in either direction. The milled edges make hand tightening easy.

Specifications for the 13 mm Polycarbonate syringe filter holder

<i>Compatibility</i>	Chemical resistance as for polycarbonate and silicone
<i>Connectors</i>	Luer lock inlet and Luer slip outlet
<i>Dead volume</i>	Less than 0.2 ml after bubble point
<i>Filter</i>	Requires 13 mm diameter membrane filter
<i>Filtration area</i>	0.5 cm ²
<i>Flow rates</i>	Typical values for water at 1 bar (100 kPa), 18 ml/min with 0.2µm, 35 ml/min with 0.45 µm pore size filters
<i>Materials</i>	Polycarbonate top and bottom part. Silicone gasket (10x14.9 mm, replacement part no. 6980569 for a pack of 10)
<i>Pressure limit</i>	Max. operating pressure, 7 bar (700 kPa)
<i>Sterilisation</i>	By autoclaving (121°C)
<i>Weight</i>	13g

