

## Re-usable, 13 mm Syringe Filter Holders for the Ultracleaning of Small Volumes (up to about 10 ml)



### PTFE holder for solvents and chemicals

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 and reagents for analytical methods, such as NMR samples.

Another benefit of this application is the low hold-up volume, the easy cleaning and the drying at a temperature of 180°C.

The construction of the holder ensures leak proof sealing without a sealing ring, and avoids twisting of the membrane filter when the top is tightened onto the base.

### Specifications for the 13 mm PTFE syringe filter holder

Connectors	Female luer lock inlet, luer slip outlet
Chemical compatibility	As for PTFE
Flow rate for water at $\Delta p = 1$ bar (100 kPa, 14.5 psi), With 0.2 $\mu\text{m}$ membrane filter	Approx. 10 ml/min
With 0.45 $\mu\text{m}$ membrane filter	18 ml/min
Filtration area	0.5 $\text{cm}^2$
Weight	13 g
Materials	PTFE top and bottom part
Max. operating pressure	5 bar (500 kPa, 72.5 psi)
Membrane filter diameter	13 mm
Sterilization	By autoclaving (max. 134°C) or by dry heat (max. 180°C)
Hold-up volume	Less than 0.03 ml after overcoming the bubble point (0.3 ml before)

### Order number for the 13 mm PTFE syringe filter holder

16574



### Polycarbonate holder for aqueous solutions

This inexpensive filter holder is made of clear, autoclavable polycarbonate and contains a silicone gasket for leak proof sealing. It can be used at pressures of up to 7 bar by simple, manual screwing together.

Filter supports in the top and bottom parts allow filtration in either direction.



### Specifications for the 13 mm polycarbonate syringe filter holder

Connectors	Female luer lock inlet, luer slip outlet
Chemical compatibility	As for polycarbonate and silicone
Flow rate for water at $\Delta p = 1$ bar (100 kPa, 14.5 psi), With 0.2 $\mu\text{m}$ membrane filter	Approx. 18 ml/min
With 0.45 $\mu\text{m}$ membrane filter	35 ml/min
Membrane filter	35 ml/min with 0.45 $\mu\text{m}$ membrane filter
Filtration area	0.5 $\text{cm}^2$
Materials	Polycarbonate top and bottom part, silicone gasket 10x14.9 mm (replacement part no. 6980569 for a pack of 10)
Max. operating pressure	7 bar (700 kPa, 101.57 psi)
Membrane filter diameter	13 mm
Sterilization	By autoclaving at 121°C
Hold-up volume	Less than 0.2 ml after overcoming the bubble point (0.3 ml before)

### Order number for the 13 mm polycarbonate syringe filter holder

16514E	Pack of 12
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Recommended accessories are described on page 39.