

Re-usable 25 mm Syringe Filter Holders for the Ultracleaning and Sterilizing Filtration of Volumes of up to about 100 ml



Stainless steel holder for solvents and chemicals

The PTFE-coated surface on the top part is an important property of the filter holder and ensures leak proof sealing without a sealing ring. As a result, the heat-resistance is extremely good, and the chemical compatibility depends only on the inserted filter type.

The top part can easily be mounted on the bottom part using the enclosed tightening tool.

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

Specifications for the 25 mm stainless steel holder

Connectors	Female luer lock inlet, luer slip outlet
Chemical compatibility	As for stainless steel and PTFE
Flow rate for water at $\Delta p = 1$ bar (100 kPa, 14.5 psi), With 0.2 μm membrane filter	Approx. 45 ml/min
With 0.45 μm membrane filter	80 ml/min
Membrane filter	80 ml/min with 0.45 μm membrane filter
Filtration area	3 cm ²
Materials	Stainless steel (1.4305) top and bottom parts. PTFE-coated sealing area in top part. Luran 368R tightening tool (replacement part no. 6980595)
Max. operating pressure	7 bar (700 kPa, 101.5 psi)
Membrane filter diameter	25 mm
Sterilization	By autoclaving (max. 134°C) or by dry heat (max. 180°C)
Hold-up volume	Less than 0.1 ml after overcoming the bubble point (0.3 ml before)

Order number for the 25 mm stainless steel holder

16214



Polycarbonate holder for aqueous solutions

This inexpensive filter holder is made of clear, autoclavable polycarbonate and offers a filtration area six times the amount of that of the 13 mm holder described on page 35. The silicone gasket enables a leak free filtration 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 25 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 μm membrane filter	70 ml/min
With 0.45 μm membrane filter	110 ml/min
Filtration area	3 cm^2
Materials	Polycarbonate top and bottom parts, silicone flat gasket 20.5 \times 26.5 mm (replacement part no. 1EDS-D0055 for a pack of 10)
Max. operating pressure	7 bar (700 kPa, 101.5 psi)
Membrane filter diameter	25 mm
Sterilization	By autoclaving at 121°C
Hold-up volume	Less than 0.3 ml after overcoming the bubble point (0.6 ml before)

Order number for the 25 mm polycarbonate syringe filter holder

16517E	Pack of 12
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Recommended accessories are described on page 39.
Filters see page 14.