

## 50 mm Glass Holder with Protective PTFE Ring, for Particle Testing or Clarification and Sterile Filtration



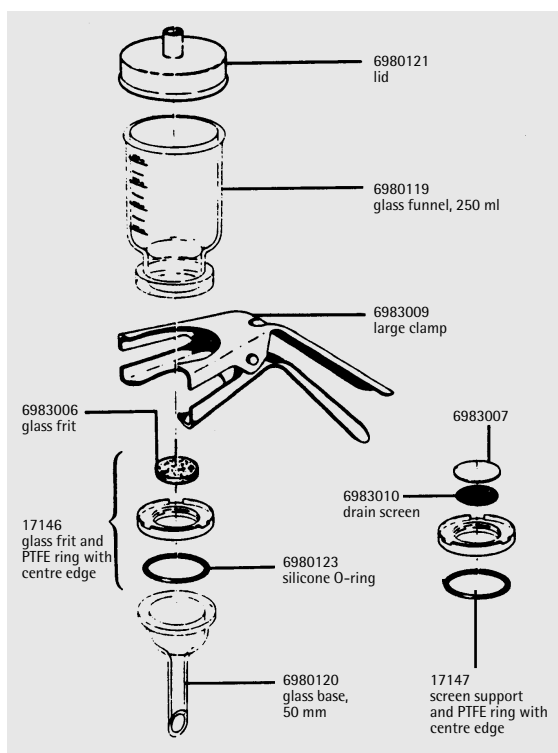
This filter holder is available in two versions differing from each other only in the type of the filter support. The filter with glass frit ensures uniform distribution of retained particles and is therefore recommended, when the residue on the filter surface is of interest. The device with PTFE-coated screen support, on the other hand, is due to its ease of clean more preferable, when the filtrate is required or when liquids difficult to remove from glass frits have to be examined.

The PTFE ring which holds the glass frit and the screen support allows autoclaving the devices with a filter in position, and protects the edge of the glass frit from breakage and potential leakage. It has a rim around the upper edge to simplify the positioning of the membrane filter when inserted and a silicone O-ring in the underside for leak-proof seal on the filtrate side.



### Specifications for the 50 mm glass holder

Outlet spouts	15 mm outside diameter
Parts and materials	Borosilicate glass funnel and base. Anodised aluminium clamp. Silicone caoutchouc lid. PTFE/glass filter support (type 16307) and PTFE/stainless steel filter support, coated with Teflon (type 16316).
Silicone O-ring	45 × 3 mm
Chemical compatibility	As for glass, PTFE and silicone (see page 110). If required, the silicone O-ring can be replaced by a Viton O-ring (order no. 00124).
Flow rate	For water at 90% vacuum, 200 ml/min with 0.2 µm, 600 ml/min with 0.45 µm, 2.2 l/min with 0.8 µm membrane filter.
Funnel capacity	250 ml
Filtration area	12.5 cm <sup>2</sup>
Max. operating pressure	Only for vacuum
Suitable membrane filter diameter	50 mm (or 47 mm)
Sterilization	By autoclaving (121°C or 134°C) or by dry heat (max. 180°C).



### Order numbers for the 50 mm glass holders

16307	Glass vacuum filtration holder for 50 mm (or 47 mm) membrane filter, with glass frit filter support
16316	Glass vacuum filtration holder for 50 mm (or 47 mm) membrane filter, with PTFE-coated screen filter support

Recommended accessories are described on page 46. Replacement parts see diagram.