

All-glass Holder for Particle Removal from Solvents for Analytical Determinations



All areas, where liquid and device can get directly in contact, are made of glass or PTFE. The device, in combination with solvent-resistant, hydrophilic RC-membranes (type 184, see page 16), is therefore ideal for ultracleaning and degassing solvents and solvent mixtures for HPLC, GC and AA.

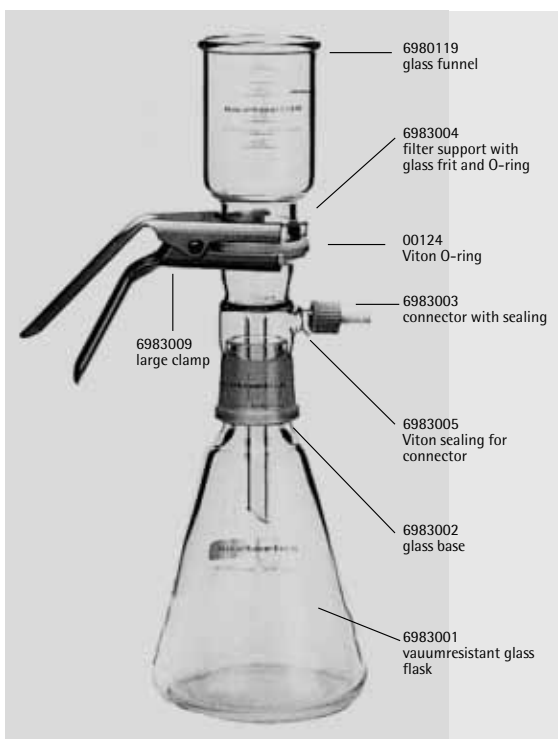
Convenience of handling is ensured by several beneficial features. A 6 mm wide non-ground rim above the ground glass neck of the suction flask prevents the filtrate from contacting grease on the ground glass surface and so avoids it becoming contaminated while being poured out of the flask.

The hose nipple connector is made of polypropylene for safe connection of vacuum hose. The filtrate outlet spout ends well below the entrance to this hose nipple.



Specifications for the all-glass holder

Parts and materials	Borosilicate glass funnel, base and flask.
Filter support	PTFE ring holding a glass frit, with Viton O-ring (45 × 3 mm). Anodized aluminium clamp.
Chemical compatibility	As for glass and PTFE
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
Capacity of the filtrate flask	1 liter
Filtration area	12.5 cm ²
Max. operating pressure	Only for vacuum
Suitable membrane filter diameter	50 mm (or 47 mm)
Sterilization (without connector)	By autoclaving (121°C or 134°C) or by dry heat (max. 180°C).



Order number for the all-glass holder

16309 All-glass vacuum filtration unit for 50 mm (or 47 mm) membrane filter, with vacuum-resistant flask, capacity 1 liter

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