

Polycarbonate Holders for the Clarification or Sterile Filtration of up to about 200 ml Volumes of Aqueous Solutions



Type 16510 is complete with receiver flask, and can be operated with sub-pressure as well as with slight over-pressure (0.5 bar is recommended for highest standing times). It is, together with a vacuum hand pump, a practical, cost-effective system for the filtration in the laboratory or outside.

For sterile filtrations, the filter holder, comprised in the delivery, is equipped with a glass fibre filter 13400-0013 and enables a sterile venting for pressure compensation in order to avoid contamination of the sterile filtrate. The funnel fits onto the central opening of the lid and simplifies the pouring-in of liquid in the top part.

Type 16511 is like 16510, but without receiver flask. It is used on a suction flask or a vacuum manifold, e.g. Combisart, see page 135.



Specifications for 47 mm polycarbonat holders

Parts supplied	Type 16510, top part complete with lid, stopper for lid, plug and funnel, base part with hose nipple and filter holder, receiver flask with lid, all made of polycarbonate. Silicone O-rings for lid (80×3 mm), filter support (40×5 mm) and opening (14×2 mm). Polypropylene filter support.
Components	Type 16511, like 16510 but without receiver flask
Chemical compatibility	As for polycarbonate, polypropylene and silicone
Flow rate	For water at 90% vacuum, 200 ml/min with 0.2 µm, 700 ml/min with 0.45 µm, 2 l/min with 0.8 µm membrane filter.
Capacity	Top part and receiver flask, 250 ml
Filtration area	12.5 cm ²
Max. operating pressure	Vacuum or max. 2 bar (200 kPa) overpressure Suitable membrane filter diameter, 47 mm (prefilter, 37 mm).
Sterilization	By autoclaving at 121 °C. The polycarbonate material withstands numerous cycles, provided aggressive cleaning agents are completely washed off and that the steam does not contain anticorrosive, anti-scaling boiler water additives.



Order numbers for 47 mm polycarbonate holders

16510	Polycarbonate holder for 47 mm membrane filter, with 250 ml top part and receiver flask, for vacuum or pressure filtration.
16511	Polycarbonate holder for 47 mm membrane filter, with 250 ml top part, for vacuum filtration.

Recommended accessories are described on page 46 | 72



Replacement parts

16514E	13 mm filter holder, pack of 12
6980110	Silicone O-ring, 40×5 mm
6980225	Plug, pack of 10
6980226	Funnel
6980227	Stopper for lid
6980228	Lid
6980229	Silicone O-ring, 80×3 mm, pack of 2
6980230	Top part, 250 ml
6980232	Filter support, pack of 2
6980233	Base part
6980234	Hose nipple
6980235	Silicone O-ring, 14×2 mm, pack of 3
6980236	Silicone cap, pack of 10
6981090	Receiver flask