

Stainless Steel Holder with 200 ml Capacity, for the Filtration of up to 5 Liter Volumes



A practical holder for a lot of laboratory filtrations. It can be attached to a tripod with the help of a steel rod which can be screwed in. The hose nipple is screwed into the side of the top part in order to leave room for a large filling opening. This simplifies the pouring-in of the sample and the sample can be refilled without removing the tube connection to the pressure source. Leak-proof sealing is achieved by hand-tightening of the closing ring.

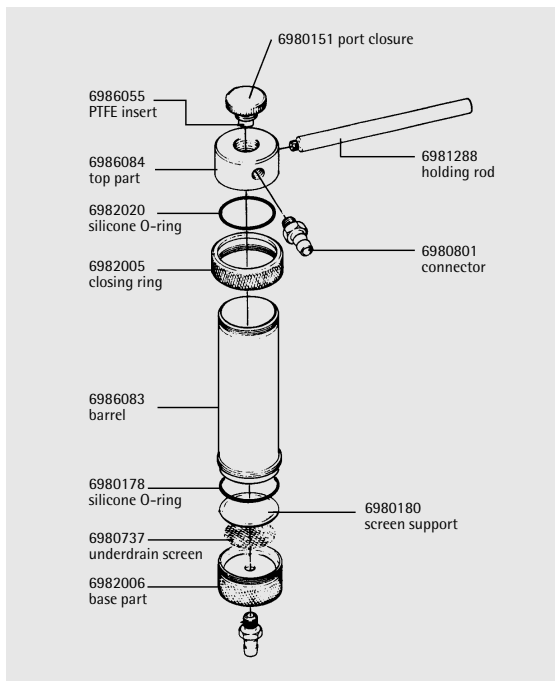
For the filtration of small volumes (up to about 200 ml soil samples or viscous liquids, such as oils), the holder is connected directly to a pressure source.

For the filtration of up to 5 liter volumes of relatively easily filterable liquids (e.g. buffer solutions, solutions for cell counters and tissue culture solutions), it is used in combination with a pressure tank.



Specifications for the 47 mm, 200 ml stainless steel pressure holder

Chemical compatibility	As for stainless steel, PTFE and silicone. If required, the silicone O-ring in the filter support can be replaced by a Viton O-ring 00179 or a PTFE O-ring 17038 (reduces the max. operating pressure to 4 bar, 58 psi!); the silicone O-ring in the top part can be replaced by a Viton O-ring 17145.
Flow rate	For water at $\Delta p = 1$ bar (100 kPa, 14.5 psi), 200 ml/min with 0.2 μm , 600 ml/min with 0.45 μm , 1.3 l/min with 0.8 μm pore size.
Filtration area	13 cm ²
Weight	960 g
Threads for the connectors	M 12x1 female threads
Materials	Top part, barrel, base part, corrugated iron, closing ring, closure cap, back pressure screen and stainless steel hose nipples 1.4401 (AISI 316). PTFE-coated stainless steel filter support. Silicone O-rings, 41x2 mm (top part) and 42x3 mm (filter support). PTFE-sealing (cap).
Max. operating pressure	10 bar (1,000 kPa, 145 psi)
Suitable membrane filter diameter	47 mm (prefilter, 42 mm)
Sterilization	By autoclaving (max 134°C) or by dry heat (180°C).



Order number for the 47 mm, 200 ml stainless steel pressure holder

16249 Stainless steel pressure holder for 47 mm membrane filter, with 200 ml capacity.

Recommended accessories are described on page 72. Replacement parts are shown in the diagram.