

Accessories for Pressure Filtration Units

The accessories required depend on the type of the pressure filtration unit.

Re-usable units with barrels to hold the liquid to be filtered can be connected to a pressure source (pressure pump or nitrogen bottle) after insertion of the membrane filter and prefilter, and if necessary, after sterilization and pouring in of the liquid.

Concerning ready-to-connect units, devices for the conduction installation and mini cartridge housings, the filterable liquid has to be fed in on the inlet side, either out of an "open" container through a peristaltic or impeller pump, or out of pressurized conduction system or a pressurized container. Various systems with pressurized containers are described on the next page.

Recommended accessories

1. For Sartolab P20 units

Units with luer lock inlet connector require only the pump 18059, which is supplied complete with suitable tubing.

Units with hose nipple inlet can be connected to a peristaltic pump or a pressurized container using commercially available tubing.

2. For Sartobran 300 capsules

The hose nipple inlet can be connected to a peristaltic pump or a pressurized container using commercially available tubing.

3. For Sartobran P capsules

Connection to a pressurized container: capsule with G3/8 male thread with inlet hose nipple using a PTFE-tube 16999, capsule with inlet hose nipples with commercially available tubing.

Connectors for capsules with inlet sanitary flange are described under 7.

4. For polycarbonate holder

The inlet hose nipple can be connected to a peristaltic pump or a pressurized container using a commercially available tubing. The hose nipple can be replaced by a connector with G3/8 male thread (order no. 17089) in order to connect the device to a pressurized container using a PTFE pressure hose 16999.

The hose nipple can be replaced by a luer lock connector (order no. 16881), in order to use the device as syringe filter holder. A luer slip connector (order no. 16880) can replace the outlet hose nipple.

5. For stainless steel holders

The inlet hose nipple can be connected to a pressure source (pump or nitrogen bottle) with a commercially available hose. Alternatively, the hose nipple can be replaced by a connector with G3/8 male thread (order no. 17089), in order to connect the device to the pressure source with a flexible pressure hose 17091, or a PTFE pressure hose 16999.

For the filtration of easy to filter, large-volume liquids, the 47 mm holder can be connected to a 5 l pressurized container using a connector with G3/8 male thread and a PTFE pressure hose.

6. For stainless steel holder

The inlet hose nipple can be connected to a peristaltic pump or a pressurized container with a commercially available hose, but it is far more practical to replace the hose nipple by a connector with G3/8 male thread (order no. 17089), for connecting the unit to a pressurized container with a PTFE hose 16999.

However it is connected, further accessories simplify the use of the holder, when the filtrate is to be filled into bottles. A hand-operated valve (16656) on the outlet side allows the control of the filtrate flow. A clamp (17036) replaces the three legs allowing to adjust the height of the outlet to that of the bottles.

7. For holders, mini cartridge housings and capsules with sanitary flange inlets

The sanitary flange at the inlet and outlet require one clamp (17033) and one connector.

The outlet connector is usually a 19 mm (17017) or a 25 mm (17016) hose nipple, or an adapter 17150 for the hand-operated valve (16656), with which the flow of the filtrate can be regulated.

The inlet connector depends on the system:

Connector 17019 with G3/8 male thread allows the connection with a PTFE pressure hose 16999 to a pressurized container.

Order numbers

16508	Polycarbonate holder
16249	Stainless steel holder
16274	Stainless steel holder
16275	Stainless steel holder