

■ Microsart® Combi.jet

2-Branch Stainless-Steel Manifold for Microbiological Analysis



The Microsart® Combi.jet is a 2-branch manifold, made of high-grade stainless-steel. The manifold has been specifically designed for the use together with the Microsart® e.jet Transfer Pump. The system is able to create sufficient vacuum for vacuum filtration concomitantly transferring the filtered liquid directly to waste. Microsart® Combi.jet and Microsart® e.jet can be easily connected and disassembled by the innovative Quick Connection technology.

Compact Design

The complete traditional equipment, such as connectors, tubes, suction flask, protection filter, Woulff's bottle and a vacuum pump, requires a lot of laboratory space and is time consuming to operate and maintain. Microsart® Combi.jet reduces operating complexity due to its small and compact design. The Transfer Pump Microsart® e.jet fits visually and ergonomically into this design.

Quick Connection

Building up the vacuum filtration system is easy and fast thanks to the innovative Quick Connection Coupling and Nipples at the Microsart® Combi.jet manifold and Microsart® e.jet Transfer Pump. Simply push-to-connect for assembling and pull-to-disassemble the whole system within seconds.

Sterile Venting

A special feature of the Microsart® Combi.jet manifold are the stainless-steel three-way valves (taps). They allow the vacuum for each filter holder to be individually controlled and each filter station to be sterilely vented. This rules out secondary contamination of the underside of the filter.

Maximum Flexibility

The Microsart® Combi.jet enables you to select the optimal hardware and consumables for your needs in microbiological analysis in quality assurance. The heart of the whole system is the Microsart® Combi.jet, the stainless-steel 2-branch manifold, designed to accommodate all types of filter holders and funnels such as:

- Ready-to-use units Microsart® @filter 100 and 250
- Ready-to-use units Microsart® Funnel 100 and 250
- Ready-to-use units Biosart® 100 Monitors
- Ready-to-use units Biosart® 250 Funnels
- Flammable units such as stainless-steel funnels
- Autoclavable glass filter holders
- Autoclavable polycarbonate filter holder

Reliability: Ideal for Microbiology Applications

- Sterile venting after filtration
- Easy to clean and sanitize
- Smooth and reliable filtration

Economically Efficient

- Saving time due to Quick Connection technology
- Saving work space (saves 70%)
- No need for suction flasks and water traps

□ Specifications

Microsart® Combi.jet

Stainless-steel quality	High-grade stainless-steel: B.S. 304S31 AISI 304
Dimensions in mm (L H D)	246 98 130
Max. operating pressure	Vacuum only
Sterilization	By autoclaving (max. 134°C)
Parts and materials	Manifold: stainless-steel, silicone O-ring
Quick Connection Coupling	PVDF, closure: stainless-steel, sealing: FKM FPM
Inlet (manifold)	Female thread, TR 20 × 2
Outlet	Quick Connection Coupling (female), inner diameter NW 7, non-shut-off

Microsart® Base 47 mm

Materials	stainless-steel, silicone O-ring
Suitable membrane filter diameter	47 mm
Filtration area (e. g. for the use with Microsart® Funnels)	12.5 cm²

□ Ordering Information

Microsart® Combi.jet 2-Branch Manifold, Made of High-Grade Stainless-Steel, Without Frits and Funnels, to Accommodate Various Funnel Types

Description	Order No.
Microsart® Combi.jet 2-branch manifold, without base support and frits	16848-CJ
Microsart® Base 47 mm, with frit, stainless-steel base for Combisart® and Microsart® Combi.jet Optimized for the use with 47 mm membranes, Click-Fit closure for Microsart® Funnel, Microsart® @filter and other funnel types sealed by bayonet closure	1ZU---0002

Accessories and Replacement Parts

Description	Qty.	Order No.
Minisart® SRP25, sterile filter for venting, 0.2 µm, individually sterile-packaged, could be autoclaved 5 times	50	17575-----ACK
Plug luer lock, to close the Minisart® inlet, if sterile venting is not required	12	17012-----E
Plug, conical, to close the venting hole beside the 3-way-valve, if sterile venting is not required	10	6980225
Silicone O-ring for Microsart® Base 47 mm male thread	3	6980274
Silicone O-ring for manifold female threads	3	6980235
Combisart® single base, stainless-steel, optimal for the use with 50 mm membrane filters, funnel closure by bayonet or adapter	1	16840
Microsart® Combi.jet Coupling, Quick Connection, PVDF	1	1EAS--0022

Funnels and filter holders to connect onto the Microsart® Combi.jet manifold are equivalent to those for the use with the Combisart® system (page 41).