



Microsart® e.jet

Laboratory Transfer Pump for Microbiology Sample Preparation



Typical Set-up: Microsart® e.jet (166MP-3) connected to a 3-place manifold (16824-CS)

New pump for vacuum filtration in Microbiological Analysis

The Microsart® e.jet is a laboratory vacuum pump which creates vacuum and simultaneously transfer the filtered liquid to waste. The Microsart® e.jet is ideal for sample preparation in microbiological analysis achieving a trans membrane pressure of 800 mbar and a flow rate of 3.5 l/min. Constant flow rates and a defined maximum vacuum guarantees a smooth and reliable filtration.

Reduced operating complexity

Until now vacuum equipment for the Membrane Filtration Method consists of numerous parts including connectors, tubes, vacuum containers, protection filter, Woulff's bottle and a vacuum pump. After several samples the vacuum must be broken to empty the filtrate collection container. The complete traditional equipment requires far more laboratory space and is time consuming to operate and maintain. The new Microsart® e.jet greatly reduces operating complexity.

Smart design fits any laboratory environment

The Microsart® e.jet pump is an ideal accessory for 3-branch and 1-branch manifolds. Compared to traditional equipment, the Microsart® e. jet and stainless steel manifold require only 30% of the average space, which translates to less congestion when working in laminar flow cabinets.

Safe operation | Maintenance-free

Traditional vacuum pumps often lose their efficiency and capability to generate sufficient vacuum, when liquid is drawn into the pump head. The Microsart® e.jet is designed to pump both gas and liquids, meaning no loss of efficiency or malfunction from water drawn into the pump head.

Technical Specification

Flow rate	> 3.5 l/min
Max. Vacuum	0.2 bar
Max. Pressure	1.0 bar
Weight	1,000 g
Dimensions (W/L/H)	12 × 17 × 19 cm
Max. ambient temp.	+5...+40°C
Max. temp. of liquid	+5...+80°C
Max. viscosity	< 150 cSt*
Description	IP 65
Protection class	III

Ordering Information

Order Number	Description
166MP-3	Microsart® e.jet Fluid Pump, 3.5 l/min

Spare Parts

Order Number	Description
1EP---0001	Pump head complete for 166MP-3
1EE---0007	Power supply complete for 166MP-3
1EAF--0020	Threaded Fitting for 166MP-3

Sartorius Stedim Biotech GmbH
August-Spindler-Strasse 11
37079 Goettingen, Germany

Phone +49.551.308.0
Fax +49.551.308.3289
www.sartorius-stedim.com

USA Toll-Free +1.800.368.7178
UK +44.1372.737159
France +33.442.845600
Italy +39.055.63.40.41
Spain +34.91.3586102
Japan +81.3.3740.5407

Specifications subject to change without notice. Printed and copyrighted by Sartorius Stedim Biotech GmbH W/sart-000 - G
Publication No.: SL-2043-e07082
Order No.: 85032-533-52