

Microsart e.jet

Transfer Pump with Quick Connection



Combisart 3-Branch Manifold 사용에 적합한 펌프

- 미생물 실험에 적합
- 별도의 Suction Flask 구매 불필요
- 작업공간 차지 최소화

Technical Specifications

Microsart e.jet

Flow rate	> 4.0 NI/min
Max. vacuum	0.4 bar
Max. pressure	1.0 bar
Mains	100-240 V 50-60 Hz
Materials (in contact with filtrate)	PTFE, ETFE, Polypropylene, EPDM, POM, PSU
Weight [g] Pump: 1425.3;	Power supply: 202.8
Dimensions W x L x H [mm]	120 x 170 x 190
Max. ambient Temp.	+ 5...+ 40 °C
Max. temp of liquid	+ 5...+ 80 °C
Max. viscosity	<150 cSt
Protection type	IP 64
Protection class	III
Inlet outlet	Quick Connection on hose nipples for DN 10 tubings

Ordering Information

Order No.	Description
166MP-4	Microsart® e.jet Transfer Pump with Quick Connection, without tubings, inlet and outlet hose nipples for DN 10 tubings

Accessories

1ZA-0006	Tubing with Quick Connection Coupling (PSU), silicone, 20 cm, for vacuum-sided connection, inner diameter DN 10, outer diameter DN 20, wall thickness 5 mm (when ordering, please state length required in meters)
1ZAS-0007	Silicone tubing, 1 m, for pressure-sided connection, inner diameter DN 10, outer diameter DN 14, wall thickness 2 mm

Replacement

Parts	Description
1EP-0001	Pump head complete for 166MP-3 and 166MP-4
1EE-0007	Power supply complete for 166MP-3 and 166MP-4

Threaded

Fittings	Description
1EAS-0027	Quick Connection set, 2 Nipples (POM) on R3/8" male thread and 2 Couplings (PSU) on DN 10 hose nipple
1EAS-0026	Quick Connection Nipple, stainless steel
1EAF-0020	DN 10 hose nipple on R3/8" male thread



Electric Vacuum Pump

Microsart mini.vac / Microsart maxi.vac



Technical Specifications

	Microsart® maxi.vac	Microsart® mini.vac
Order No.	16694-2-50-22 16694-1-60-22	16694-2-50-06 16694-1-60-06
Delivery [l/min]	22	6
Ultimate Vacuum [mbar]	100	100
Noise level [100 mbar]	57.5-59.0 dBA	53.5 dBA
Operating Pressure [bar]	1	2.5
Materials (contact with filtrate possible)	Aluminum, CR (Neoprene), NBR (Perbunan)	PPS, EPDM, FPM (Viton)
Connectors for Tube [mm]	ID 9	ID 4
Ambient Temperature	5...40 °C	5...40 °C
Mains	16694-2-50-22: 230 V 50 Hz 16694-1-60-22: 115 V 60 Hz	16694-2-50-06: 230 V 50 Hz 16694-1-60-06: 115 V 60 Hz
Motor Protection	IP 44	IP 20
Power P1 [W]	130	65
Operating Current [A]	0.9	0.63
Weight [kg]	7.1	1.9
Dimensions W x H x D [mm]	261 x 204 x 110	164 x 141 x 90
Recommended application	All multi-branch manifolds individual filter station	Single filtration run up to 3-branch manifolds

Ordering Information

Order No.	Description
16694-2-50-22	Microsart® maxi.vac for multiple filtration runs, 230 V, 50 Hz
16694-1-60-22	Microsart® maxi.vac for multiple filtration runs, 115 V, 60 Hz
16694-2-50-06	Microsart® mini.vac up to 3 filter stations in parallel, 230 V, 50 Hz
16694-1-60-06	Microsart® mini.vac up to 3 filter stations in parallel, 115 V, 60 Hz

Replacement Parts

1ED-0054	Replacement kit for 16694-2-50-06 and -1-60-06, set of one membrane, two valve springs and two head seals
1ED-0055	Replacement kit for 16694-2-50-22 and -1-60-22, set of one membrane, two valve springs and two head seals
1EH-0001	Sound absorber for 16694-2-50-06 and -1-60-06
1EH-0002	Sound absorber for 16694-2-50-22 and -1-60-22
1EV-0001	Fine adjustment head for 16694-2-50-06 and -1-60-06
1EV-0002	Fine adjustment head for 16694-2-50-22 and -1-60-22
1EV-0003	Fine adjustment head for 16694-2-50-06 and -1-60-06, for pressure filtration