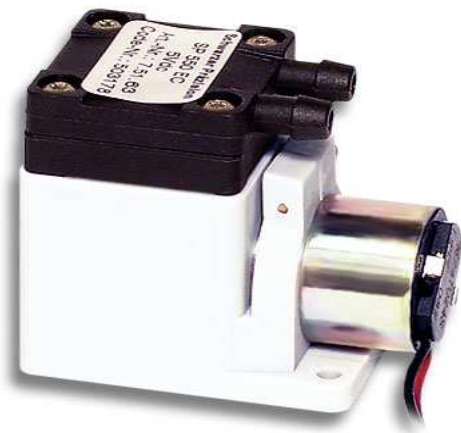




SP 500 EC-LC



SP 550 EC
SP 550 EC-DB

Product Features

- diaphragm micro pump for air and gas
- applicable as vacuum pump or pressure pump
- electric motor driven
- available in 4,5 / 6 / 9 / 12 volt dc
- minimal current consumption
- oil free / maintenance free
- reduced vibrations
- low noise
- virtually leak-tight
- lightweight
- extremely small size

Applications

- Gas sniffer / gas measurement / gas metering
- Portable gas detector pumps for safety devices
- Patient Monitoring / Analyzers
- Personal Gas Detectors / Gas Monitors
- Fuel cells
- Exhaust Gas Analysers
- Pneumatics
- Pipetting devices
- Consumer instruments



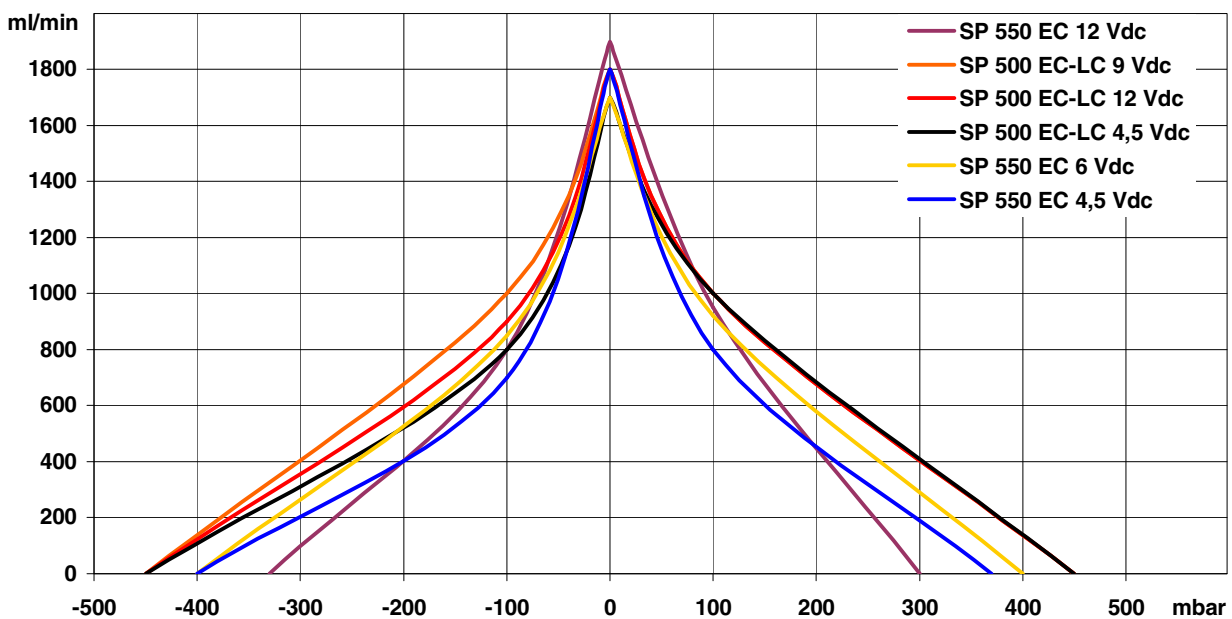
SP 500 EC / 550 EC

The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests. Customised versions for your individual application would be made without extra costs - please contact us!

Designation	SP 500 EC-LC			SP 550 EC		
Operating Voltage* Art.-No.	4,5 Vdc 7s51003	9 Vdc 7s51001	12 Vdc 7s51010	4,5 Vdc 7s51048	6 Vdc 7s51049	12 Vdc 7s51050
Pneumatic Performance						
Free Flow [ml/min]	1700	1800	1800	1800	1900	1700
flow at: Pressure Side						
100 mbar [ml/min]	1000	1000	1000	800	920	950
max. Pressure [mbar]	450	450	450	370	400	300
flow at: Vacuum Side						
-100 mbar [ml/min]	800	1000	900	700	850	800
max. Vacuum [mbar]	-450	-450	-450	-400	-400	-330
Motor / Power Consumption						
Motor Type	standard optional	iron core -		skew wound double ball bearings (SP 550 EC-DB) / brushless		
max. Current [mA]	155	100	80	100	80	65
Construction						
Pump Head	standard optional			PPS PA6		
Diaphragm, Valves	standard optional			EPDM FKM / Silicone / FFKM / PTFE		
Weight [g]		36,7		41,0		

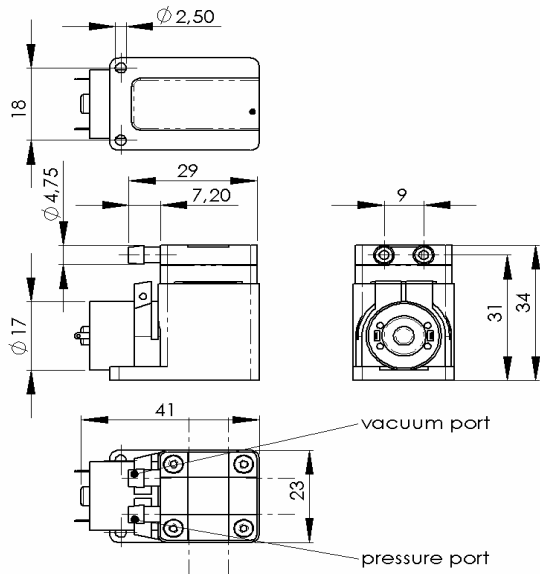
* other voltages on request

Performance Curves

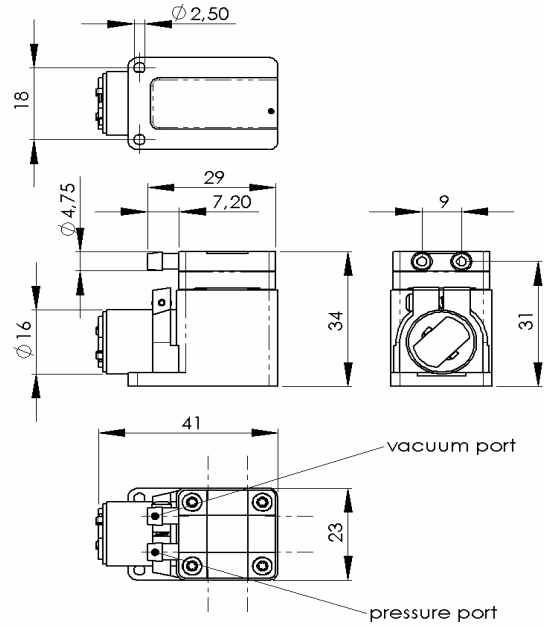




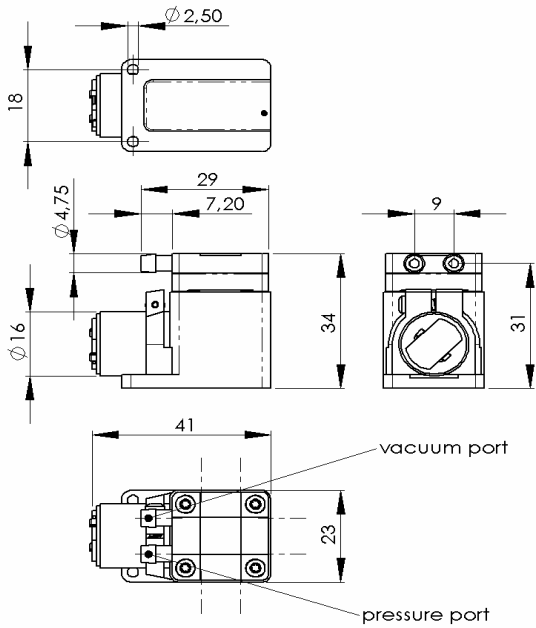
SP 500 EC-LC



SP 550 EC



SP 550 EC-DB



Standard: connection ports as shown.
Optional: 3 other port positions possible (see dashed lines)

