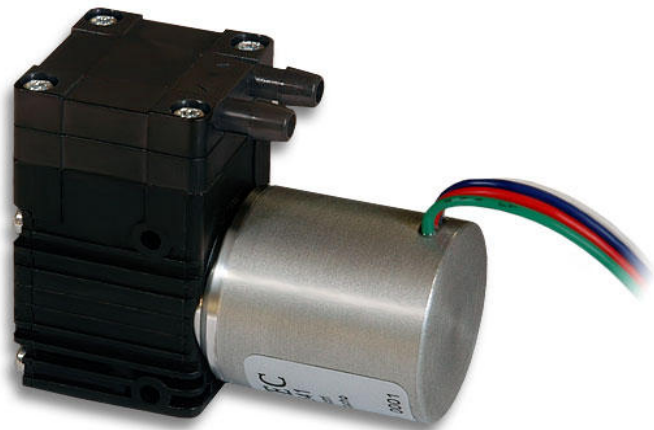
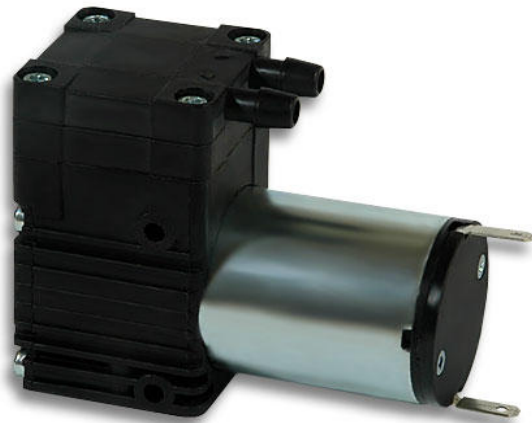


SP 570 EC-LC



SP 570 EC-BL



SP 570 EC

Product Features

- Diaphragm micro pump for gases and air
- Applicable as vacuum or pressure pump
- Available in 4,5 / 6 / 9 / 12 / 24 volt dc
- Optionally with longlife brushless motor
- Minimal current consumption
- High flow at small dimensions
- Oil free / maintenance free
- Reduced vibrations
- Low noise
- Virtually leak tight
- Lightweight

Applications

- Gas sniffer / gas measurement / gas metering
- Portable gas detectors
- Patient monitoring / analysers
- Personal gas detectors / gas monitors
- Fuel cells
- Pneumatics
- Pipetting devices
- Consumer devices



Schwarzer
Precision



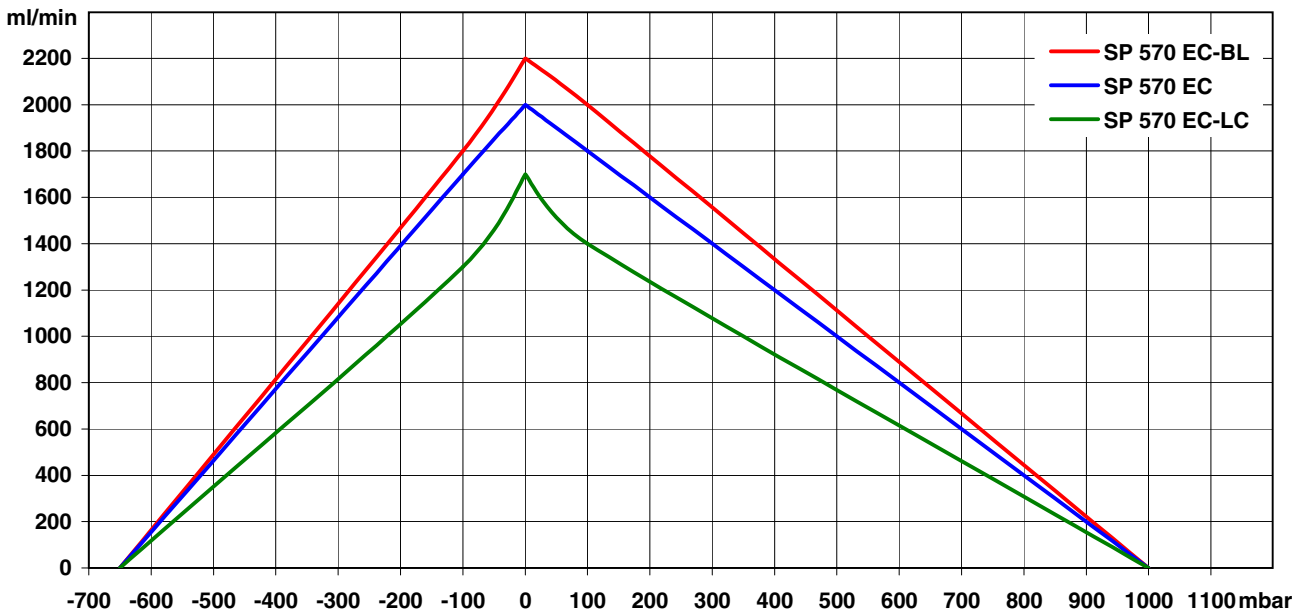
The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests. Customised versions for your individual application would be made without extra costs - please contact us!

Designation	SP 570 EC-LC		SP 570 EC				SP 570 EC-BL ⁽²⁾		
Operating Voltage ⁽¹⁾	6 Vdc	12 Vdc	5 Vdc	9 Vdc	12 Vdc	24 Vdc	12 Vdc	24 Vdc	
Art.No.	7s58051	7s58053	7s58001	7s58002	7s58003	7s58004	7s58010	7s58011	
Pneumatic Performance									
Free Flow [ml/min]	1700	1700	1800	2000	2000	2000	2200	2200	
flow at:									
100 mbar [ml/min]	1400	1400	1500	1800	1800	1800	2000	2000	
max. Pressure [mbar]	1000	1000	1000	1000	1000	1000	1000	1000	
flow at:									
-100 mbar [ml/min]	1300	1300	1450	1700	1700	1650	1800	1800	
max. Vacuum [mbar]	-650	-650	-650	-650	-650	-650	-650	-650	
Motor / Power Consumption									
Motor Type	standard	iron core with sintered bearings	skew wound with ball bearings				brushless with ball bearings and internal control electronics		
	optional	-	-				without control electronics		
Power Consumption [mA]	380	180	350	300	250	150	250	150	
Construction									
Pump Head	standard	PPS							
	optional	Customer specific (upon request)							
Diaphragm, Valves	standard	EPDM							
	optional	FKM / Silicone / FFKM / special compounds on request							
Weight [g]		55	80				60		

⁽¹⁾ other voltages on request

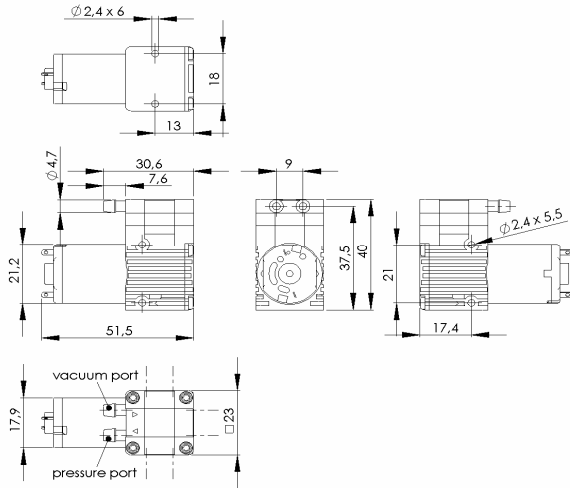
⁽²⁾ Adjustable Control Voltage 1-5 Vdc, max. Control Voltage 12 Vdc

Performance Curves

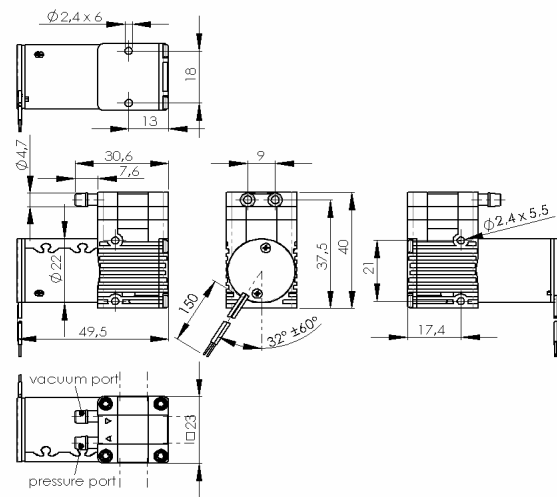




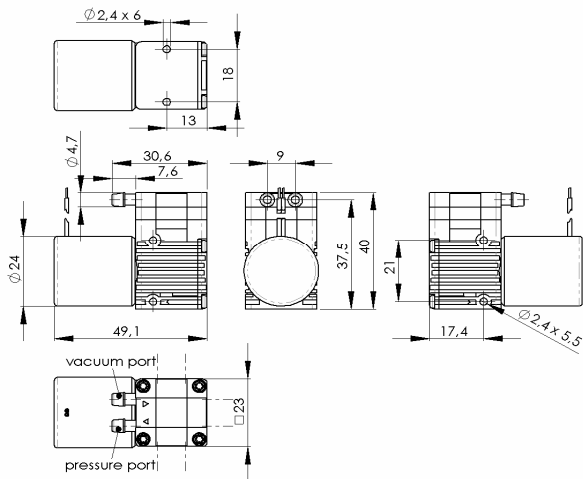
SP 570 EC-LC



SP 570 EC



SP 570 EC-BL



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