



SP 600 EC
SP 620 EC



SP 600 EC-LC
SP 620 EC-LC

Product Features

- diaphragm mini pump for air and gas
- single stage vacuum and pressure pump
- electric motor driven, oil free
- available in 6 / 12 / 24 volt dc
- minimal current consumption
- oil free / maintenance free
- reduced vibrations
- low noise
- virtually leak tight
- lightweight
- extremely small pocket size

Applications

- Stationary gas analyzers / gas monitors
- Anaesthesia monitoring
- Gas detectors
- Exhaust gas analysers
- Autosamplers
- Pipetting devices
- Blood pressure monitoring
- Dental vacuum pump
- Industrial pressure and vacuum applications
- Random access analyzers

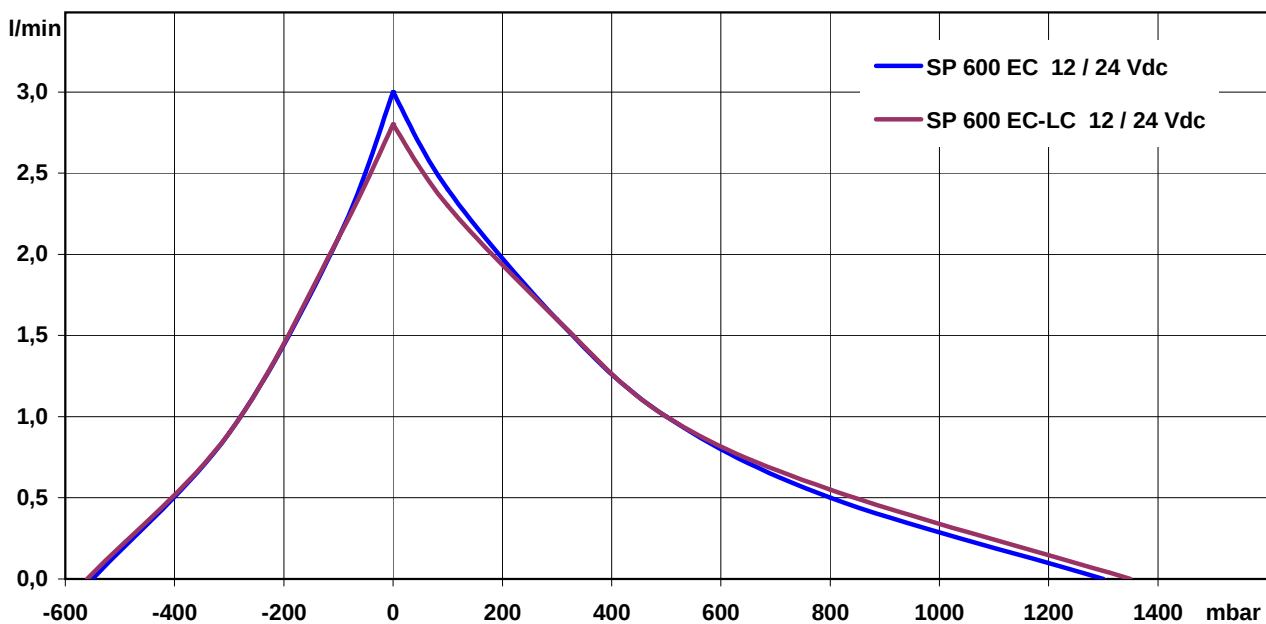


SP 600 EC / 620 EC

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 600 EC-LC		SP 600 EC	
Operating Voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art.-No.	7s52100	7s52101	7s52115	7s52116
Pneumatic Performance				
Free Flow [l/min]	2,8	2,8	3,0	3,0
flow at:	Pressure Side			
100 mbar [l/min]	2,3	2,3	2,4	2,4
max. Pressure [mbar]	1350	1350	1300	1300
flow at:	Vacuum Side			
-100 mbar [l/min]	2,1	2,1	2,1	2,1
max. Vacuum [mbar]	-560	-560	-550	-550
Motor / Power Consumption				
Motor Type	Iron Core DC		Iron Core DC with Electromagnetic Suppression	
standard				
optional	-		-	
max. Current [mA]	290	170	260	140
Construction				
Pump Head	PPS			
standard				
optional	customer specific - upon request			
Diaphragm, Valves	EPDM			
standard				
optional	FPM (Viton) / FFPM (Kalrez) / PTFE (Teflon)			
Weight [g]	165		184	

Performance Curves



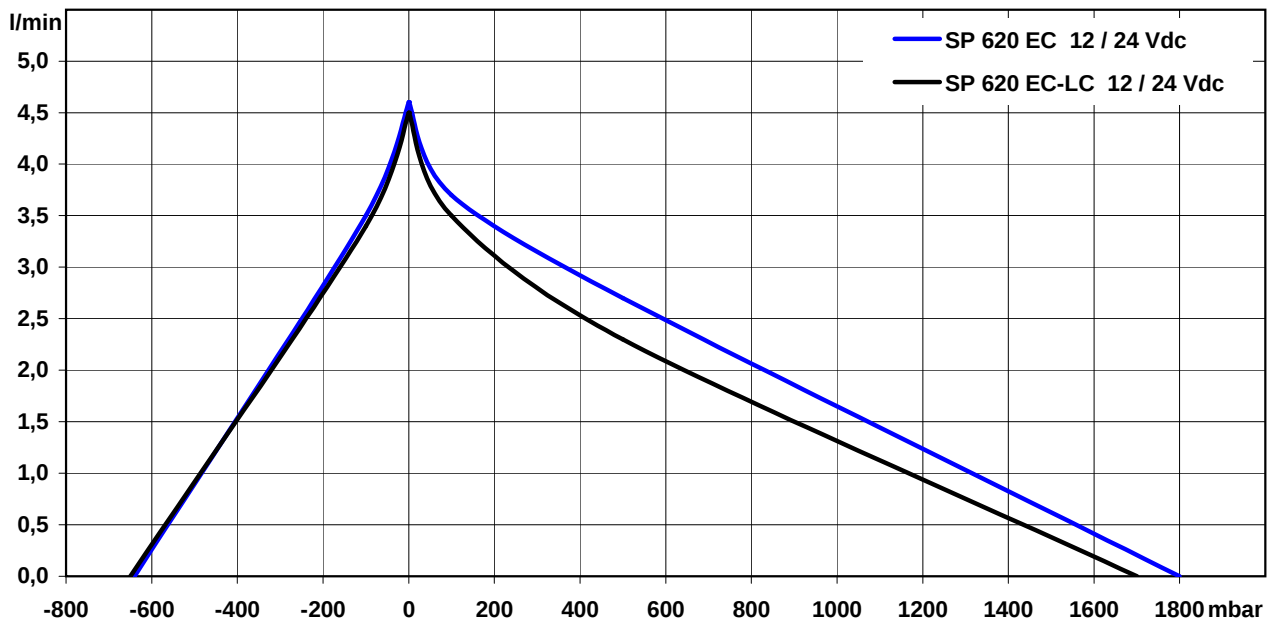


SP 600 EC / 620 EC

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!

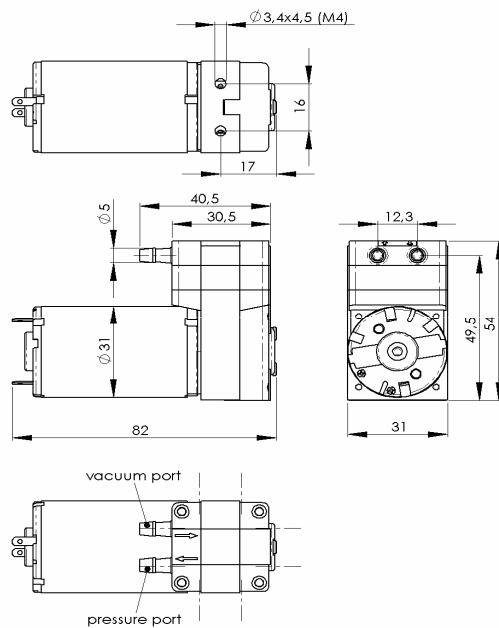
Designation	SP 620 EC-LC		SP 620 EC	
Operating Voltage Art.No.	12 Vdc 7s57004	24 Vdc 7s57005	12 Vdc 7s57002	24 Vdc 7s57003
Pneumatic Performance				
Free Flow [l/min]	4,5	4,5	4,6	4,6
flow at:	Pressure Side			
100 mbar [l/min]	3,5	3,5	3,7	3,7
max. Pressure [mbar]	1700	1700	1800	1800
flow at:	Vacuum Side			
-100 mbar [l/min]	3,4	3,4	3,5	3,5
max. Vacuum [mbar]	-650	-650	-640	-640
Higher performances on request				
Motor / Power Consumption				
Motor Type	Low Cost Iron Core		Long Life Double Ball Bearing	
max. Current [mA]	630	330	550	290
Construction				
Pump Head	PPS customer specific - upon request			
Diaphragm, Valves	EPDM FPM (Viton) / FFPM (Kalrez) / PTFE (Teflon)			
Weight [g]	165		184	

Performance Curves

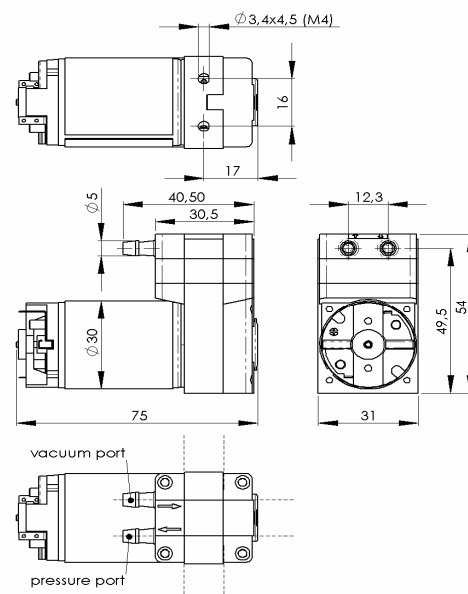




SP 600 EC / 620 EC



SP 600 EC-LC / 620 EC-LC



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