



Eccentric Diaphragm Pumps for Gas / Air SP 600 EC / 620 EC / 625 EC



SP 600 EC
SP 620 EC
SP 625 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



Steeler Strasse 477 • 45276 Essen • Germany
Phone: +49 201 31697-0 • Fax: +49 201 31697-29
e-mail: info@schwarzer.com • <http://www.schwarzer.com>

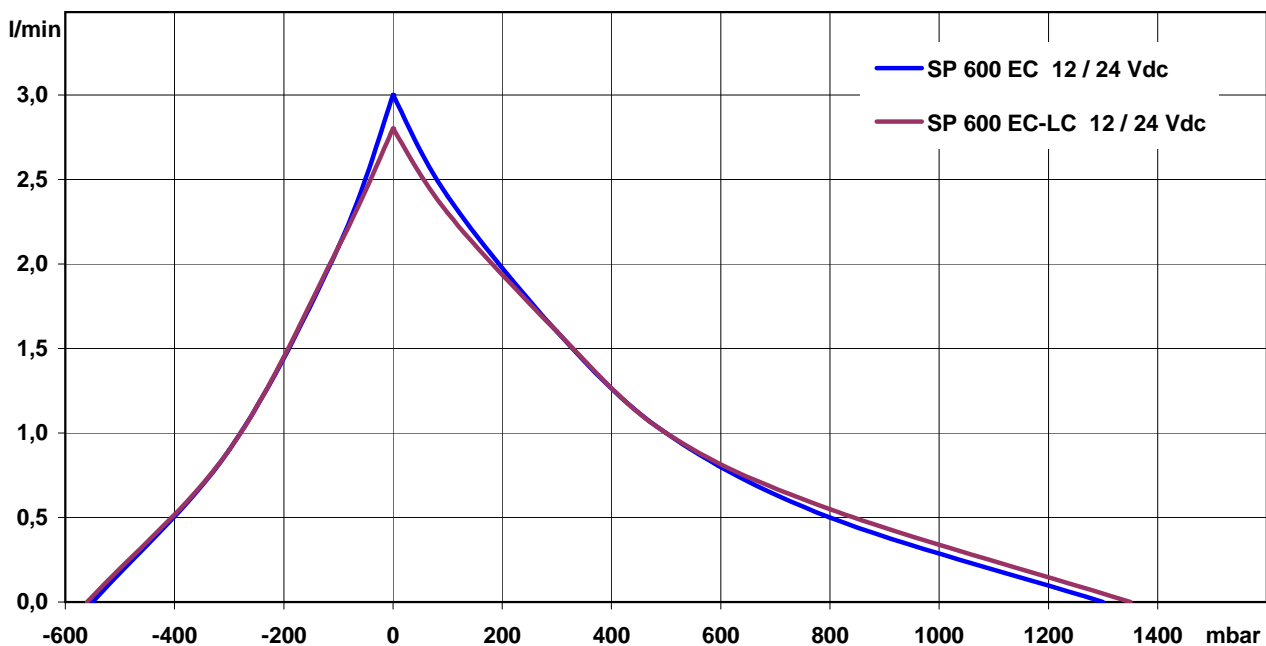


SP 600 EC / 620 EC / 625 EC

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	standard optional	Iron Core DC -	Iron Core DC with Electromagnetic Suppression -	
max. Current [mA]	290	170	260	140
Construction				
Pump Head	standard optional	PPS customer specific - upon request		
Diaphragm, Valves	standard optional	EPDM FPM (Viton) / FFPM (Kalrez) / PTFE (Teflon)		
Weight [g]		165		184

Performance Curves



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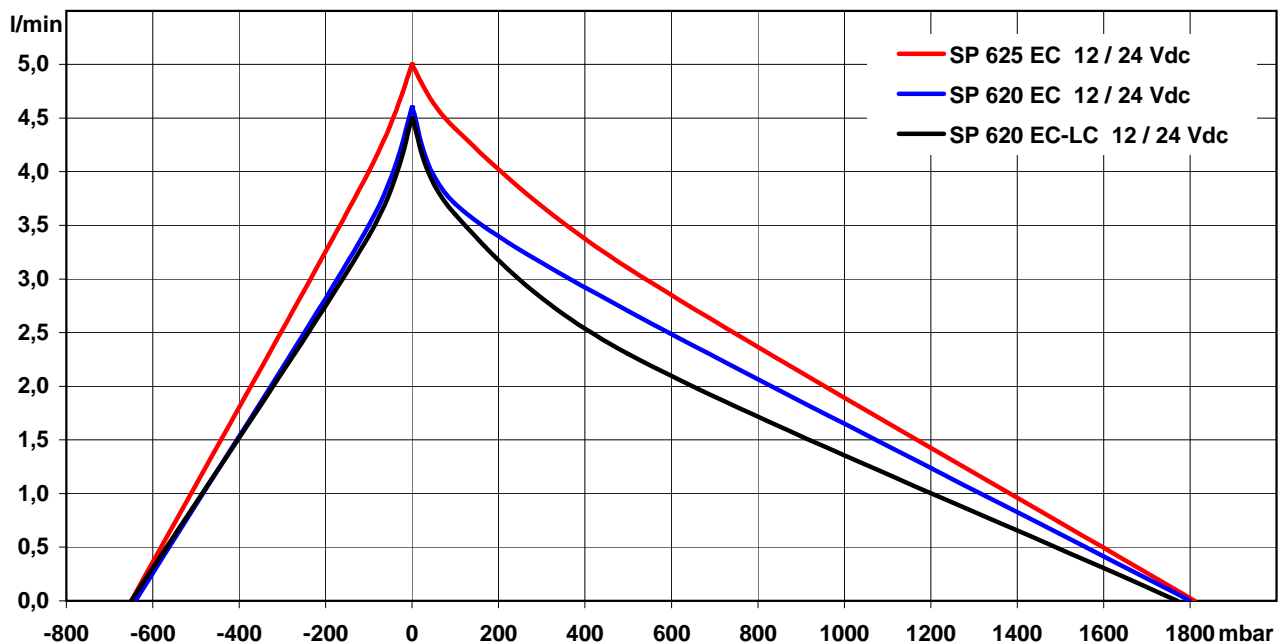


SP 600 EC / 620 EC / 625 EC

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		SP 625 EC	
Operating Voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art.No.	7s57004	7s57005	7s57002	7s57003	7s57052	7s57053
Pneumatic Performance						
Free Flow [l/min]	4,5	4,5	4,6	4,6	5,0	5,0
flow at: Pressure Side						
100 mbar [l/min]	3,6	3,6	3,7	3,7	4,4	4,0
max. Pressure [mbar]	1770	1740	1800	1800	1810	1810
flow at: Vacuum Side						
-100 mbar [l/min]	3,4	3,4	3,5	3,5	4,0	3,7
max. Vacuum [mbar]	-650	-650	-640	-640	-650	-650
Motor / Power Consumption						
Motor Type	Low Cost Iron Core		Long Life Double Ball Bearing		Long Life Double Ball Bearing	
max. Current [mA]	600	290	410	300	620	320
Construction						
Pump Head	standard optional	PPS customer specific - upon request				
Diaphragm, Valves	standard optional	EPDM FPM (Viton) / FFPM (Kalrez) / PTFE (Teflon)				
Weight [g]	165		184		178	

Performance Curves

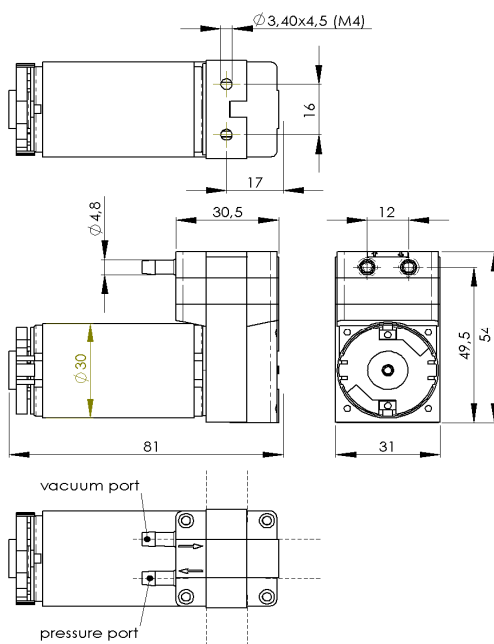


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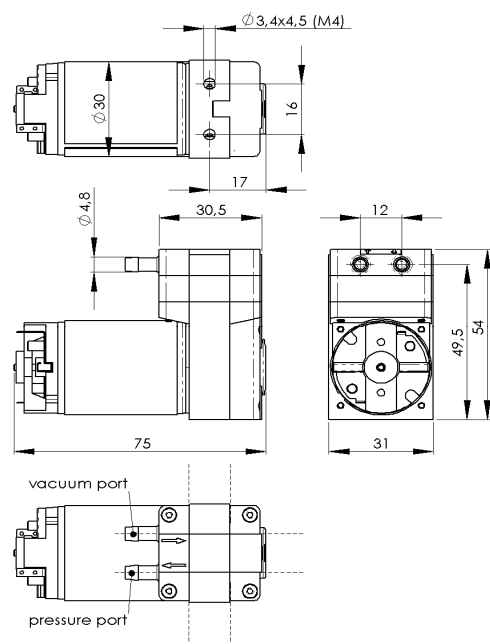


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Standard: connection ports as shown. Optional: 3 other port positions possible (see dashed lines)