



Schwarzer
Präzision

Eccenter-Diaphragm-Pumps for Gas SP 200 EC Series

oil free
maintenance free
reduced vibrations
quiet
small
lightweight
minimal current consumption



Blood Pressure
Anaesthesia
Gas Detectors
Personal Safety Devices
Pneumatics
Exhaust Gas Analysers
Pipetting Devices

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www.schwarzer.com



Eccenter-Diaphragm-Pumps for Gas

SP 200 EC Series

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 200 EC	SP 200 EC-LC	SP 250 EC	SP 270 EC	SP 270 EC-LC
Art.No. 5 Vdc	7.55.01	7.55.25	7.55.50	7.55.76	7.55.87
Art.No. 12 Vdc				7.55.77	7.55.84

Pneumatic Performance

	SP 200 EC	SP 200 EC-LC	SP 250 EC	SP 270 EC	SP 270 EC-LC
free flow [ml/min]	400	680	410	500	630
flow at	Pressure Side:				
100 mbar [ml/min]	260	400	210	270	320
max. Pressure [mbar]	625	680	440	530	460
flow at	Vacuum Side:				
-100 mbar [ml/min]	200	350	160	220	320
max. Vacuum [mbar]	420	490	310	420	470

Power Consumption

Motor Type	skew wound	iron core	skew wound	skew wound	iron core
option	brushless		double ball bearings / brushless	brushless	
max. current [mA]	65	130	60	50	42

Material

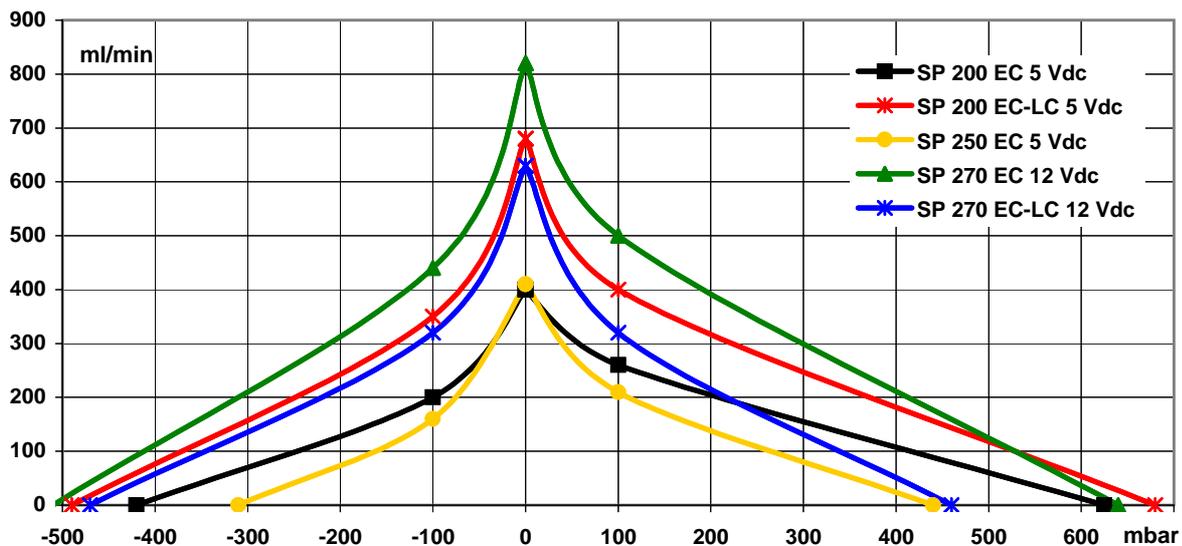
Pump Head

Standard	PPS	PPS	PPS	PPS	PPS	PPS	PPS
Optional			customer specific - upon request				

Diaphragm, Valves

| Standard | EPDM |
|----------|-------|-------|-------|-------|-------|-------|-------|
| Optional | Viton |

Performance Curves

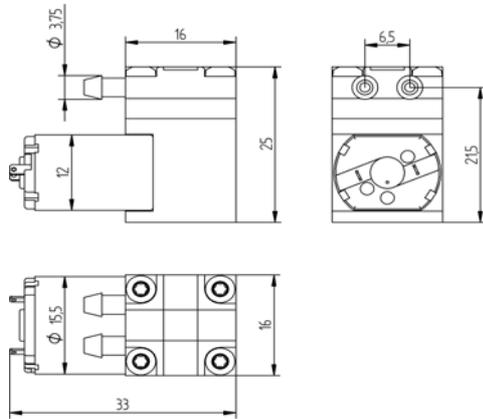


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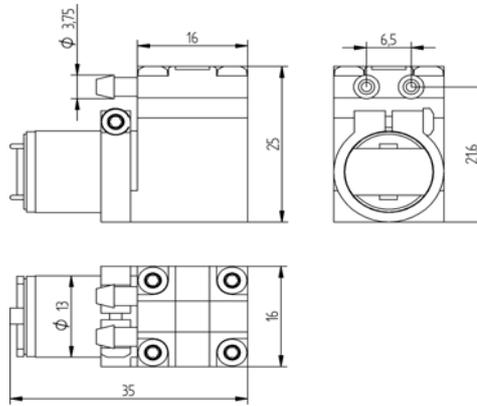


Drawings

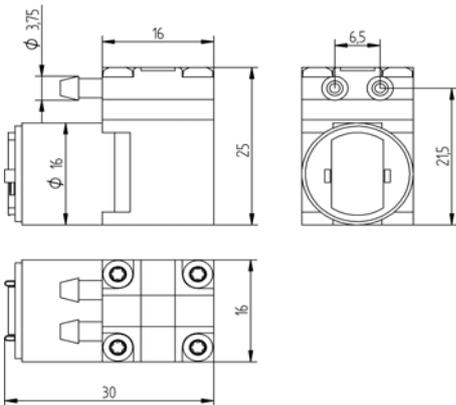
SP 200 EC-LC



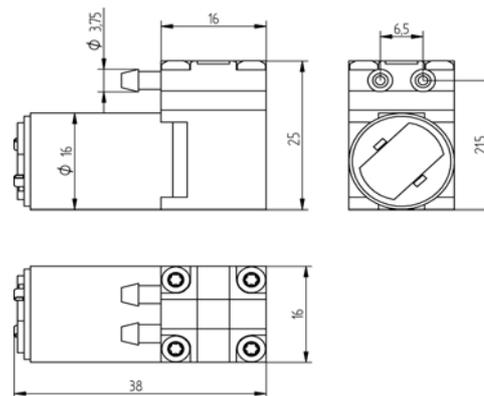
SP 200 EC



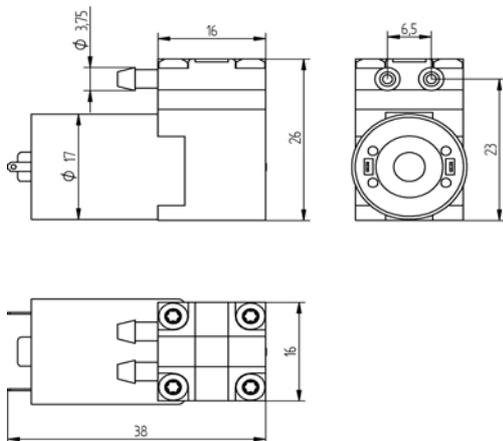
SP 250 EC SP 250 EC-DB



SP 270 EC SP 270 EC-DB



SP 270 EC-LC



Mounting

For mounting a metal clip is available
(for SP 200 EC-LC, SP 250 EC, SP 270 EC
and SP 270 EC-LC) Art.No.: 5.58.14



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