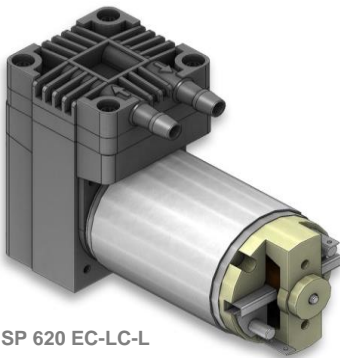


SP 620 EC-L



SP 625 EC-LC-L



SP 620 EC-LC-L

We care.

Customised Pumps - No Additional Costs!

Product Features

- Micro diaphragm pump for liquids
- Chemical resistant versions available
- From low-cost to durable drives with ball bearings
- Low weight and small size
- Self-priming
- Low noise and reduced vibrations
- Installation in any mounting orientation allows simple device integration
- Oil-free and maintenance-free

Application Examples

- Industrial applications
- Medical applications
- Laboratory applications
- Analytical applications
- Cooling and heating
- Cleaning and disinfection
- Inkjet printers and reprography
- Fuel cells
- Pipetting
- Random access analyzers

and many more...

Customisation

- We offer your customised precision pump without additional costs - even for small batches
- Outstanding quality
- Excellent technical consultation and service by experts
- More than 40 years experience in pump applications
- Fast delivery - order your sample now!



Schwarzer
Precision

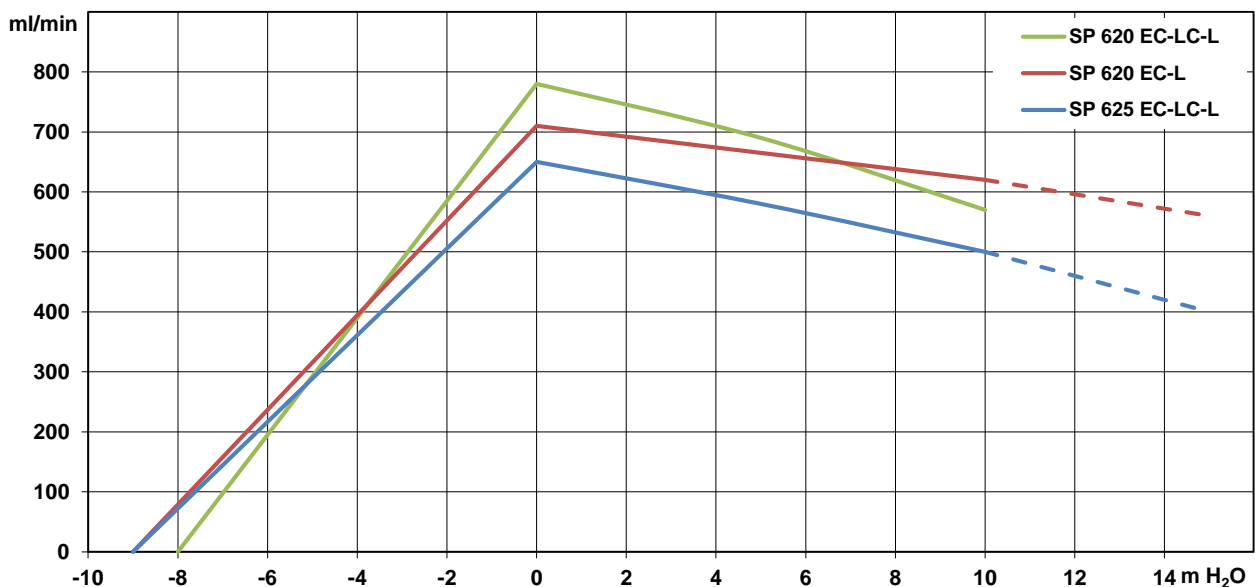


SP 620 / 625 EC-L

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 additional costs - please contact us! All flow values given under norm conditions (according to DIN 1343). Optional materials can cause deviating performance values.

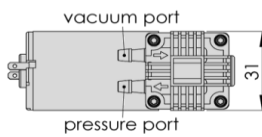
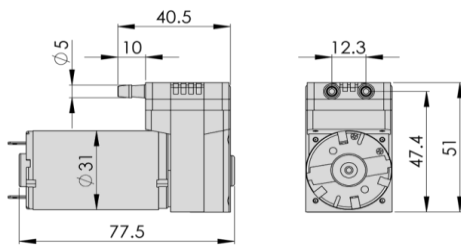
Designation	SP 620 EC-L		SP 620 EC-LC-L		SP 625 EC-LC-L	
Operating Voltage [Vdc]	12	24	12	24	12	24
Art.No.	7s57300	7s57301	7s57302	7s57303	7s57314	7s57315
Hydraulic Performance (measured with water at 20°C)						
Free Flow [ml/min]	710	710	780	780	650	650
Pressure Side						
Flow at 10 m H ₂ O [ml/min]	620	620	570	570	500	500
max. Pressure Height [m H ₂ O]	15	15	10	10	15	15
Although the pumps are able to produce pressure above 10 m H ₂ O, it is not recommended to exceed this limit!						
Vacuum Side						
max. Suction Height (filled system) [m H ₂ O]	-9.0	-9.0	-8.0	-8.0	-9.0	-9.0
max. Vacuum (dry) [mbar]	-600	-600	-600	-600	-600	-600
Motor / Power Consumption						
Standard Motor	iron core / ball bearings		iron core / sintered bearings		iron core / ball bearing and sintered bearing	
For extended lifetime ball bearings are recommended!						
max. Nominal Current [mA]	800	400	900	500	900	500
Optional Motor Type	iron core / sintered bearings		-		-	
Construction						
Pump Head	standard optional	PPS customer specific - upon request				
Diaphragm, Valves	standard optional	EPDM FKM / FFKM / PTFE				
Weight [g]	190		170		220	

Performance Curves



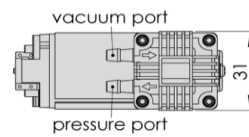
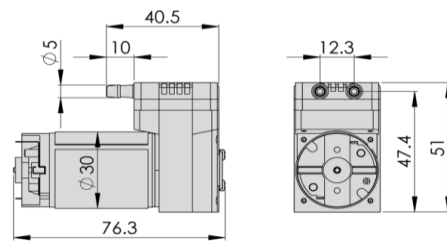


SP 620 EC-L



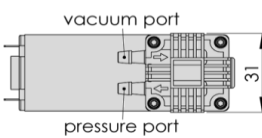
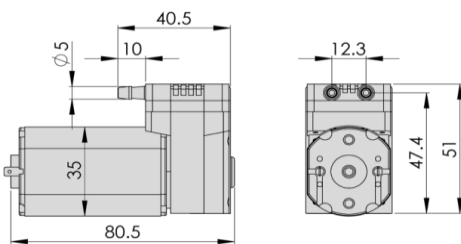
3D CAD Data:
▶ Download STEP
▶ Download IGES

SP 620 EC-LC-L



3D CAD Data:
▶ Download STEP
▶ Download IGES

SP 625 EC-LC-L



3D CAD Data:
▶ Download STEP
▶ Download IGES

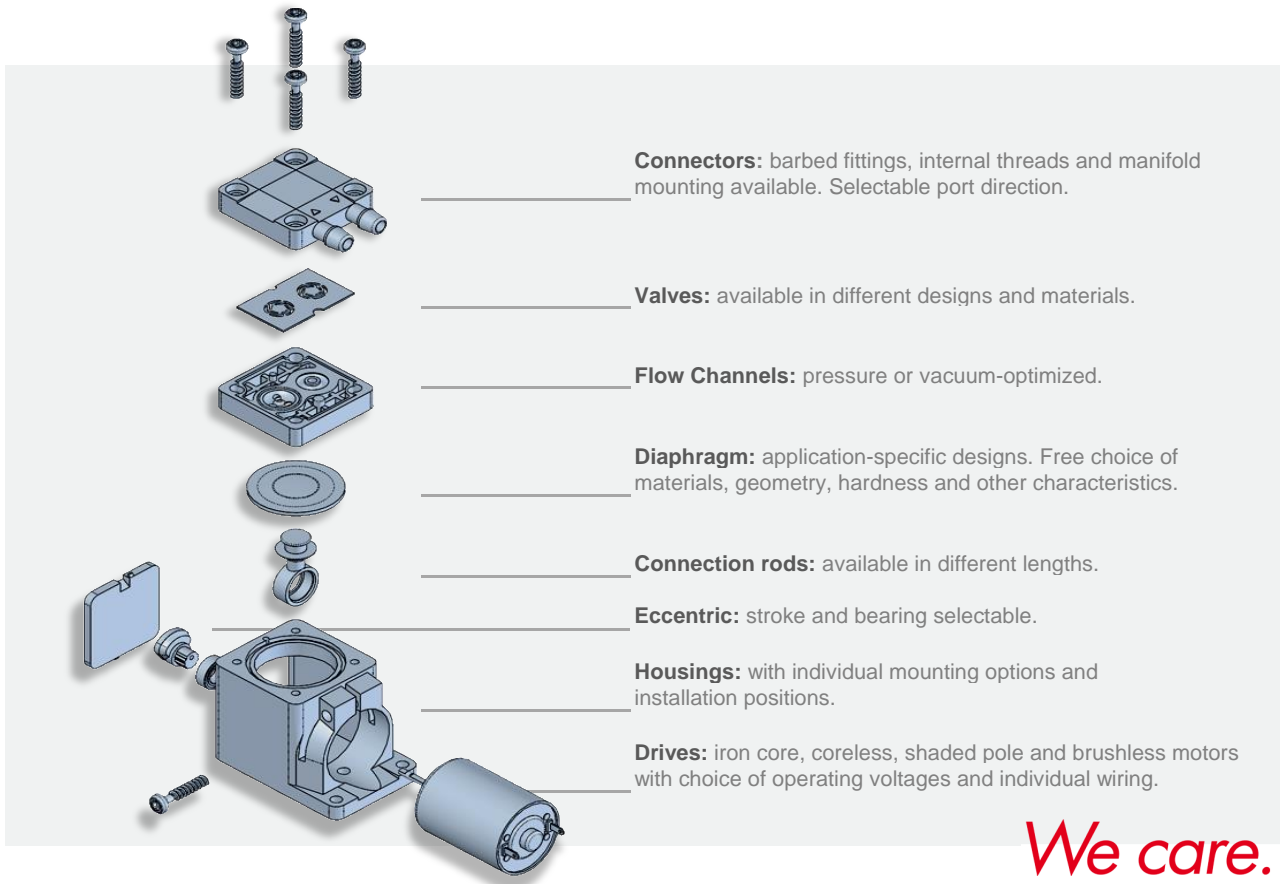
Standard: connection ports as shown
Optional: 3 other port positions possible

You can also download the 3D CAD data on the SP website:
▶ www.schwarzer.com/download



Customising Examples

Customising without compromises is extremely important to us. We develop precision pumps in direct collaboration with our customers - with all parameters exactly adapted to the respective application. Thanks to the modular pump design, this is done without added development-related costs! We develop the ideal pump for you. Uncompromising and reliable.



Installation Notes

In order to minimise noise and vibration we recommend securing the pump in one of the following ways:

- with rubber mounting (see "Accessories")
- with padded double sided adhesive tape
- with Velcro (hook and loop) tape for easy assembly and service
- Put the pump in a box lined with foam. Motor wires and tubing for the pump can lead through a hole in the side of the box.

Accessories

Schwarzer Precision offers a comprehensive portfolio of pump accessories such as:

- mountings
- silencers + filters
- electronics
- check valves + pressure switches