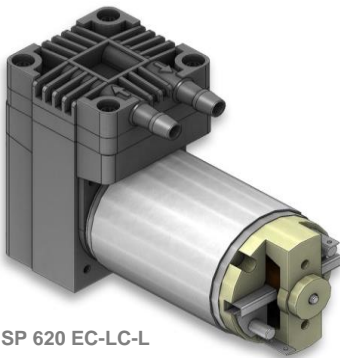


SP 620 EC-L



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!

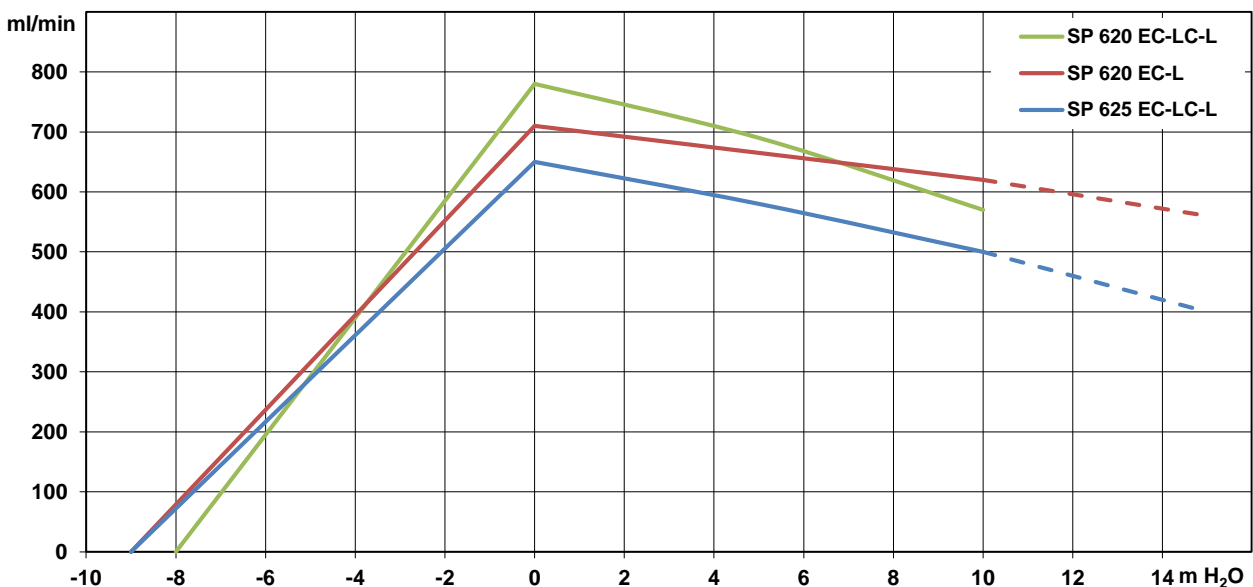


# SP 620 / 625 EC-L

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.

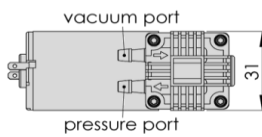
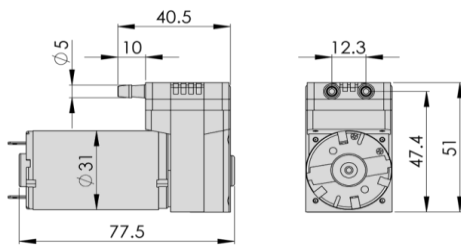
Designation	SP 620 EC-L		SP 620 EC-LC-L		SP 625 EC-LC-L	
Operating Voltage [Vdc]	12	24	12	24	12	24
Art.No.	7s57300	7s57301	7s57302	7s57303	7s57314	7s57315
<b>Hydraulic Performance (measured with water at 20°C)</b>						
Free Flow [ml/min]	710	710	780	780	650	650
<b>Pressure Side</b>						
Flow at 10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

## Performance Curves



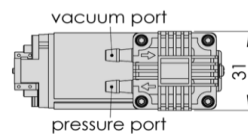
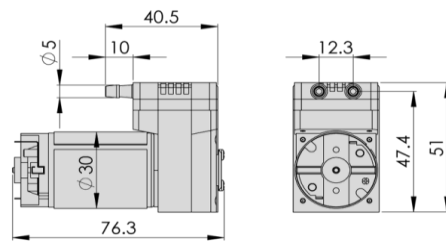


**SP 620 EC-L**



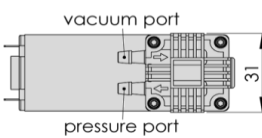
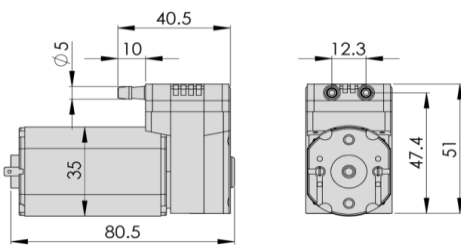
3D CAD Data:  
▶ Download STEP  
▶ Download IGES

**SP 620 EC-LC-L**



3D CAD Data:  
▶ Download STEP  
▶ Download IGES

**SP 625 EC-LC-L**



3D CAD Data:  
▶ Download STEP  
▶ Download IGES

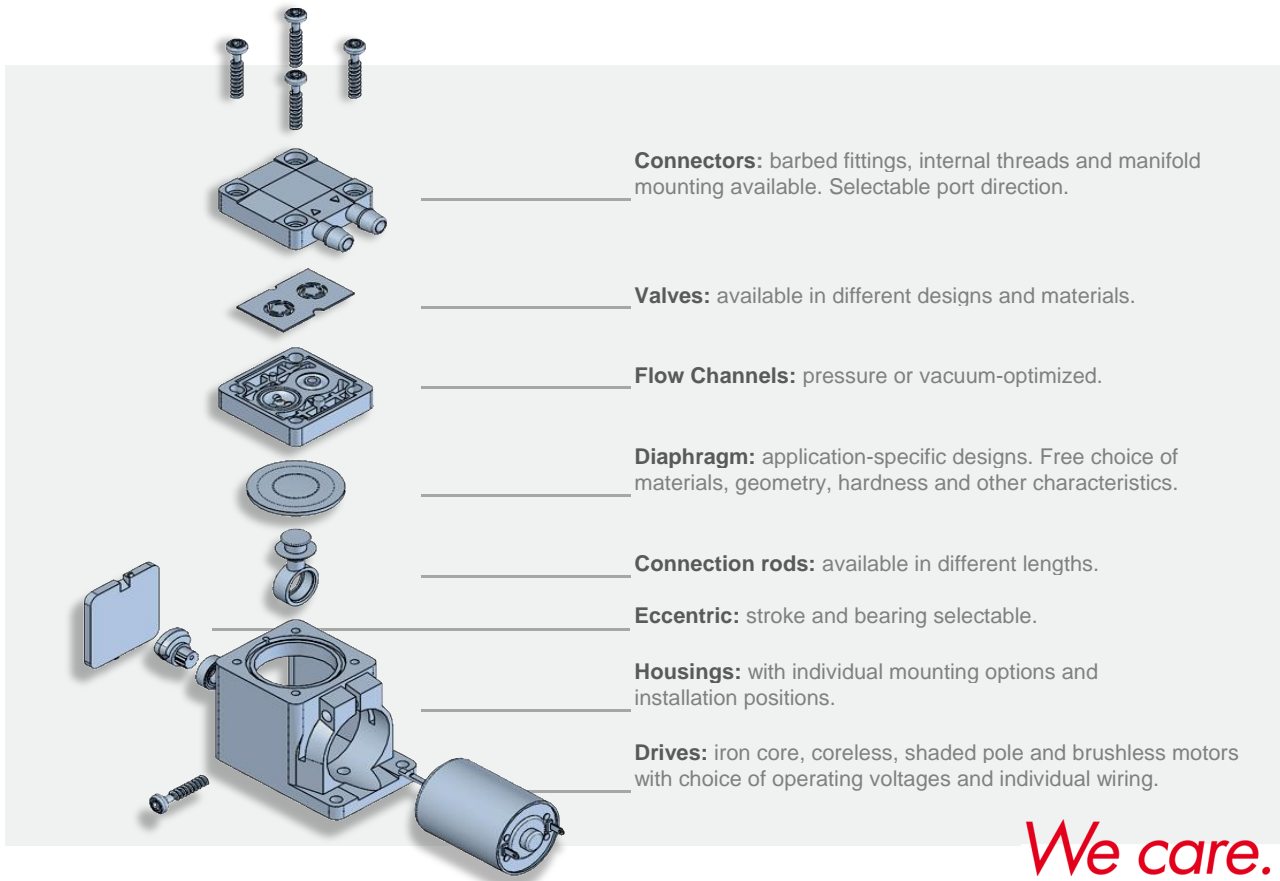
Standard: connection ports as shown  
Optional: 3 other port positions possible

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

For further information please consider the accessories data sheet or contact us for technical consultation.

► [Download PDF "Accessories"](#)

You can also download the PDF "Accessories" on our website: ► [www.schwarzer.com/accessories](http://www.schwarzer.com/accessories)

