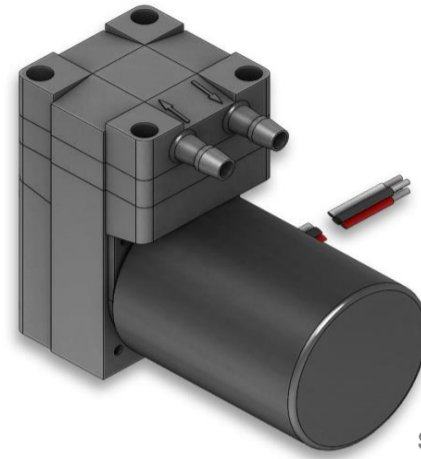


SP 620 EC-BL



SP 622 EC-BL

## We care.

Customised Pumps - No Additional Costs!

### Product Features

- Miniature diaphragm pump for gases
- Applicable as pressure or vacuum pump
- High efficiency and available in common supply voltages
- Very durable brushless drives (up to 10000 h)
- Low weight and small size
- Applicable for noise- and vibration-sensitive environments (i.e. hospitals, personal protection equipment, etc.)
- Installation in any mounting orientation allows simple device integration
- Leak-tight, oil-free and maintenance-free

### Application Examples

Particularly suitable for portable and stationary devices such as:

- Gas analysers
- Anaesthesia monitoring
- Auto samplers
- Dental vacuum pump
- Exhaust or flue gas analyzers
- Blood pressure monitoring
- Industrial pressure and vacuum
- Chromatography
- Pipetting devices

and many more...

### Customisation

- We offer your customised precision pump without additional costs - even for small batches
- Our modular concept allows easy adaptations
- Outstanding quality - Made in Germany
- Excellent technical consultation and service by experts
- More than 40 years experience in pump applications
- Manifold mounting
- Fast delivery - order your sample now!

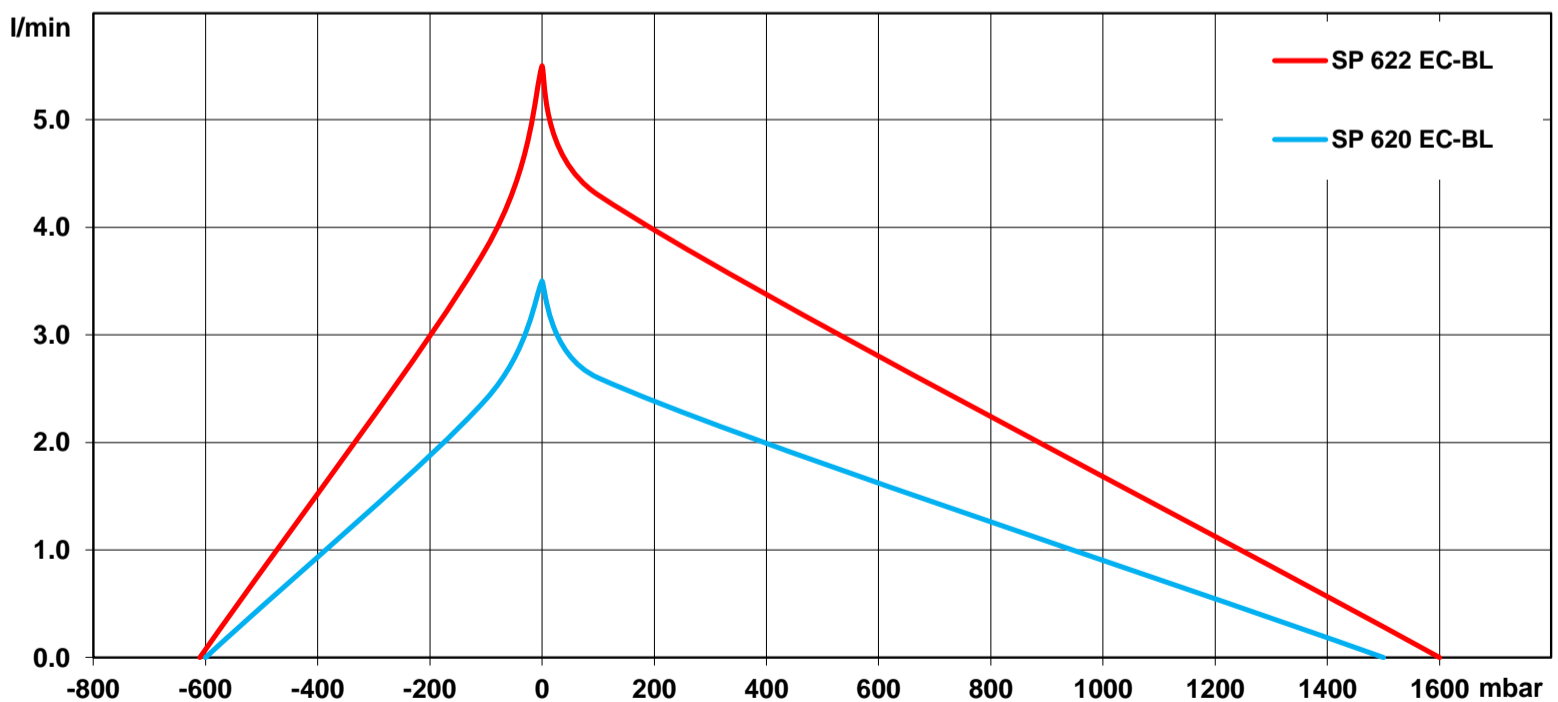


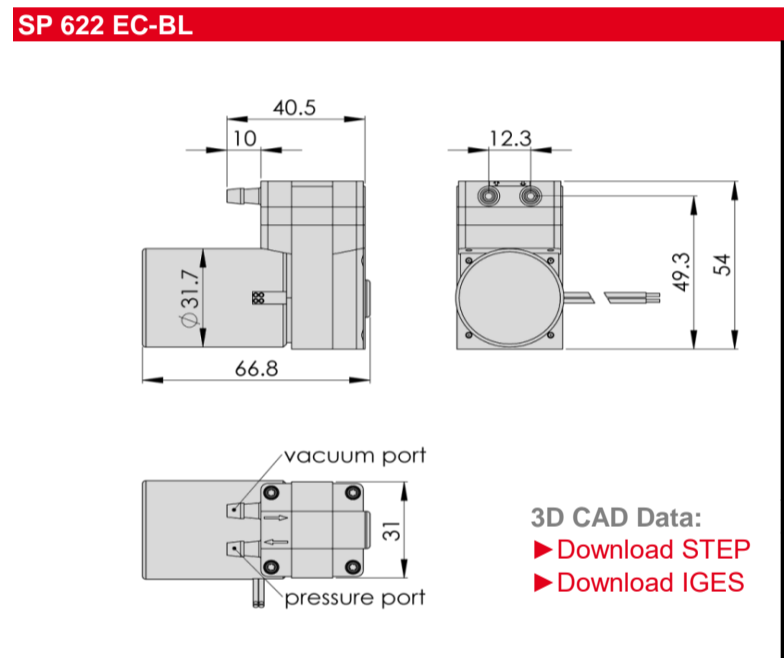
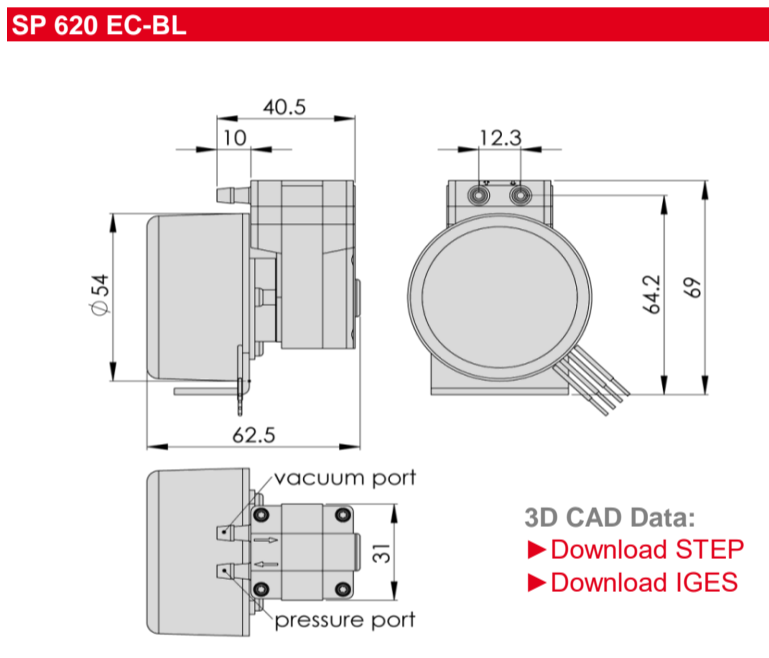
# SP 620 / 622 EC-BL

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-BL		SP 622 EC-BL	
Operating Voltage [Vdc]	12	24	12	24
Art. No.	7s57012	7s57011	7s57059	7s57060
<b>Pneumatic Performance</b>				
Free Flow [l/min]	3.5		5.5	
<b>Pressure Side</b>				
Flow at 100 mbar [l/min]	2.6		4.3	
max. Pressure [mbar]	1500		1600	
<b>Vacuum Side</b>				
Flow at -100 mbar [l/min]	2.4		3.8	
max. Vacuum [mbar]	-600		-610	
<b>Motor / Power Consumption</b>				
Standard Motor Type	brushless, analog control / ball bearings		brushless, analog or PWM control / ball bearings	
max. Nominal Current [mA]	600	300	700	350
Optional Motor Types	analog or PWM control or without internal electronics		analog control or without internal electronics	
<b>Construction</b>				
Pump Head	standard optional	PPS Customer specific (upon request)		
Diaphragm, Valves	standard optional	EPDM FKM / FFKM / PTFE		
Weight [g]	260		170	

## Performance Curves





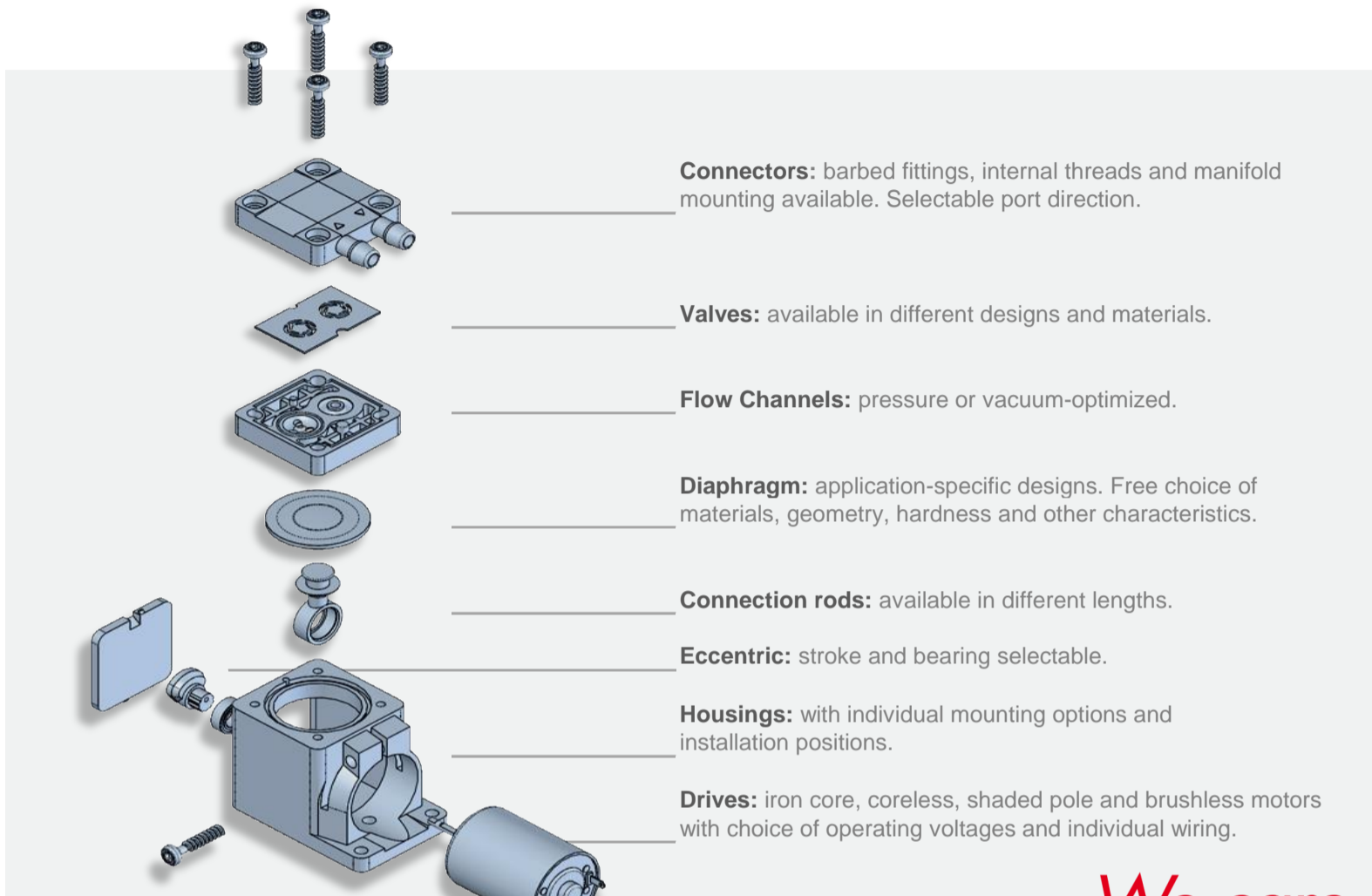
Standard: connection ports as shown  
Optional: 3 other port positions possible

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.



*We care.*

### 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