



SP 620 EC-TH

We care.

Customised Pumps - No Additional Costs!

Product Features

- Miniature diaphragm pump for gases
- Vacuum or pressure optimized pump design
- Use with two media or in serial or parallel operation
- High energy efficiency
- Very durable brushless drives
- 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
- Exhaust or flue gas analyzers
- Condensate analyzers
- 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!

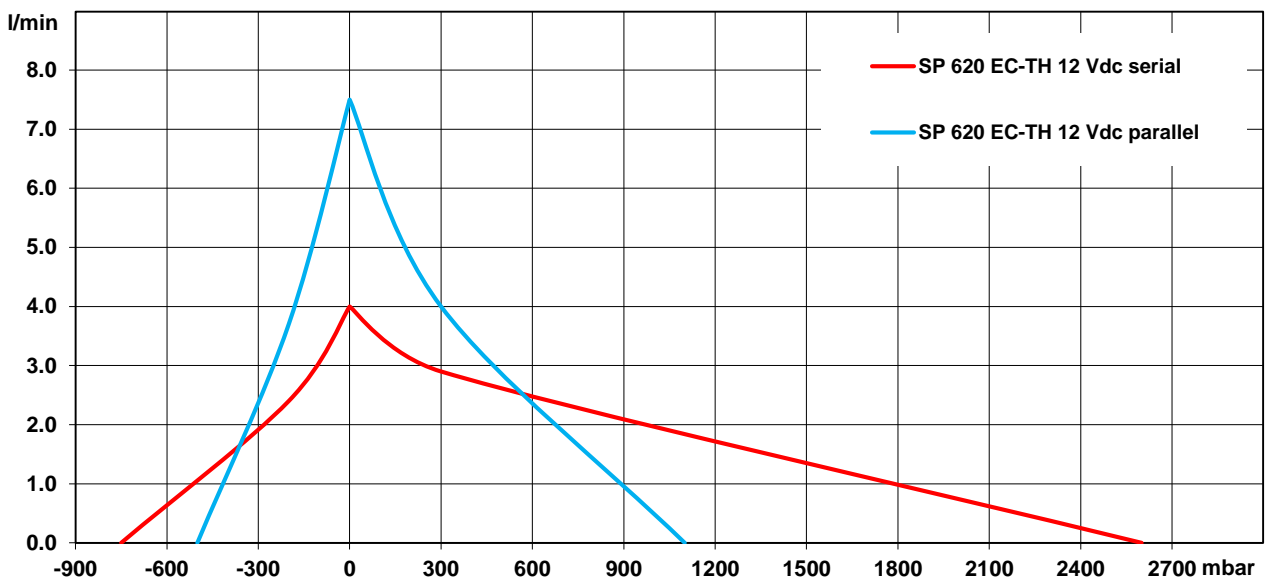


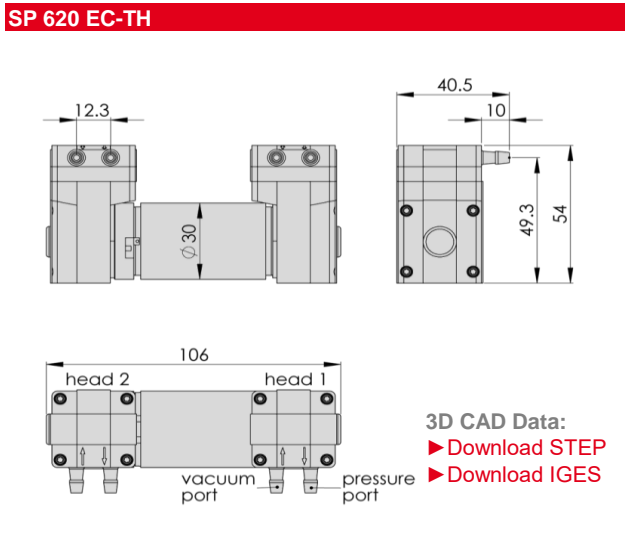


The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests. **Customised versions** for your individual application would be made without additional costs - please contact us! All flow values given under norm conditions (according to DIN 1343). Optional materials can cause deviating performance values.

Designation		SP 620 EC-TH	
Operating Voltage [Vdc]		12	
Art. No.		7s57110	
Pneumatic Performance			
Free Flow [l/min]		serial 4.0	parallel 7.5
Pressure Side			
Flow at 300 mbar [l/min]		2.9	4.0
max. Pressure [mbar]		2600	1100
Vacuum Side			
Flow at -200 mbar [l/min]		2.4	3.7
max. Vacuum [mbar]		-750	-500
Motor / Power Consumption			
Standard Motor Type		Iron core / ball bearings	
max. Nominal Current [mA]		800	700
Optional Motor Type		-	
Construction			
Pump Head	standard optional	PPS Customer specific (upon request)	
Diaphragm, Valves	standard optional	EPDM FKM / Silicone / FFKM / PTFE	
Weight [g]		250	

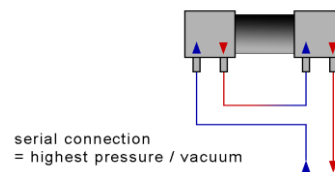
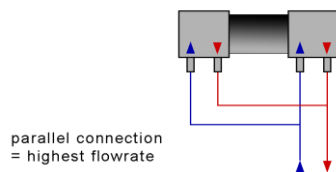
Performance Curves





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

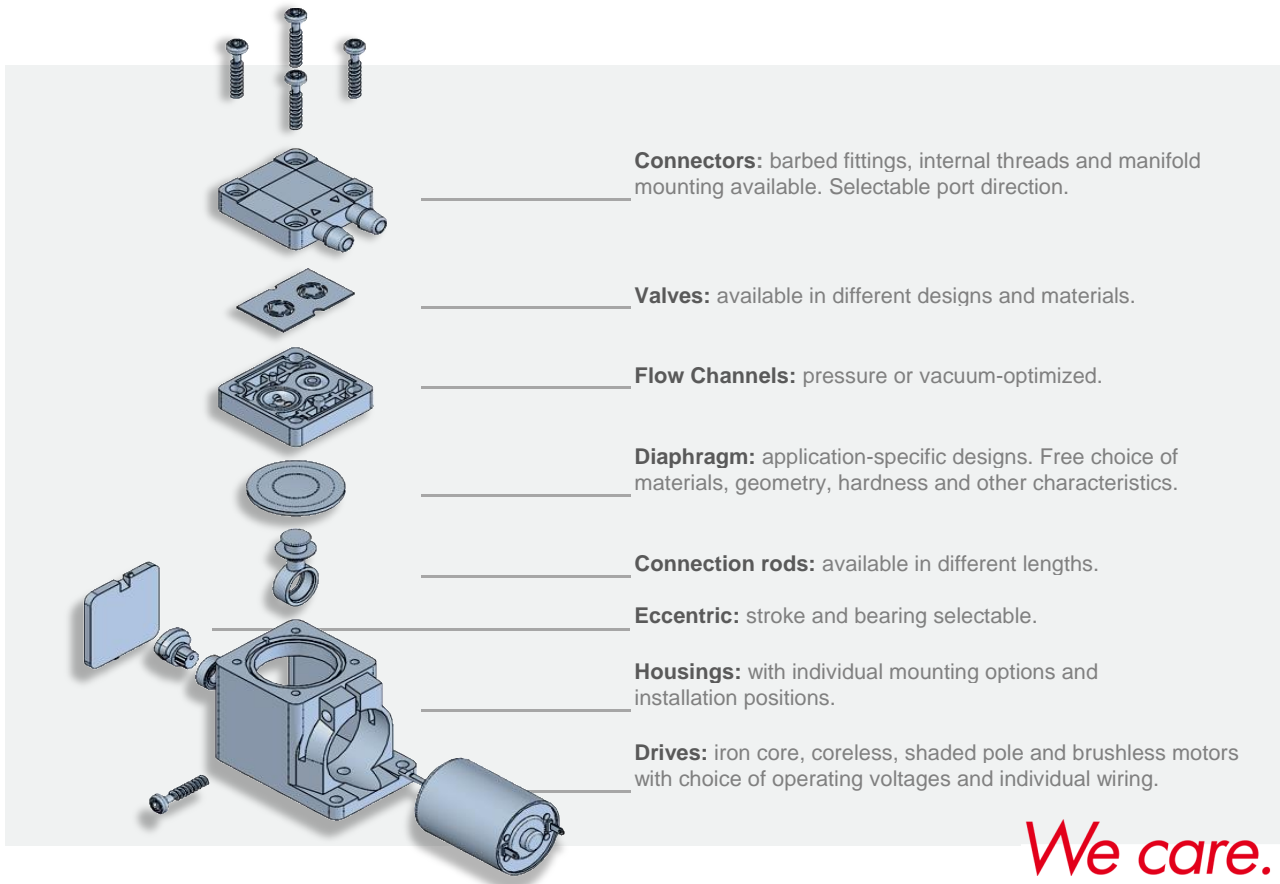
You can also download the 3D CAD data on the SP website:
▶ www.schwarzer.com/download





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