

SP 620 EC-TH-L

We care.

Customised Pumps - No Additional Costs!

Product Features

- Miniature diaphragm pump for liquids
- Chemical resistant versions available
- Use with two media or in serial or parallel operation
- Durable iron core 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

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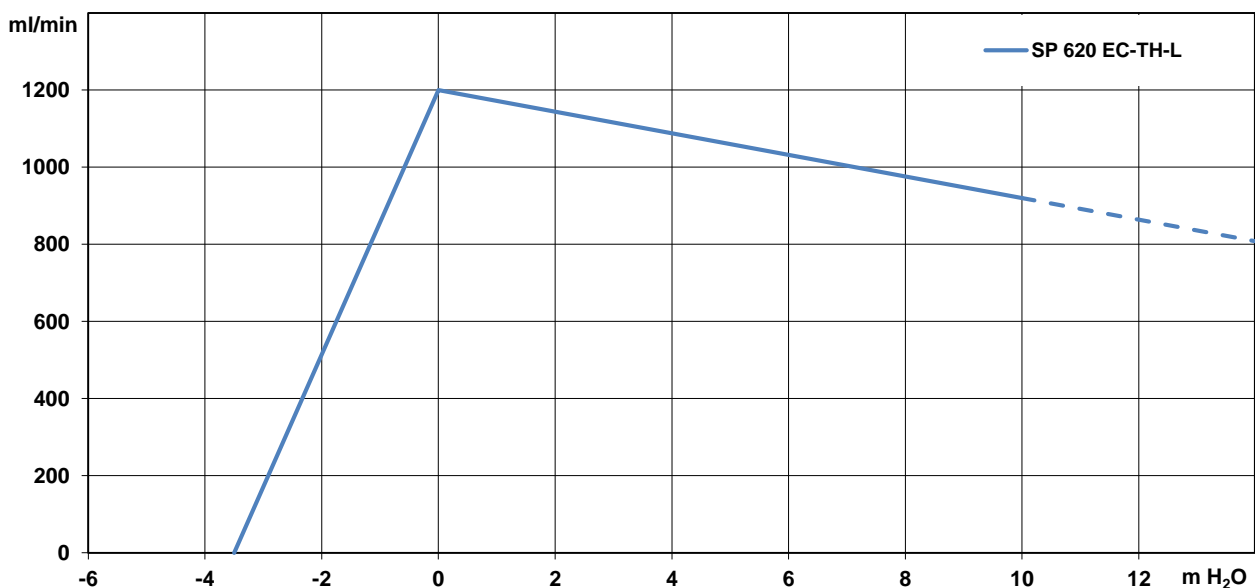
The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests.

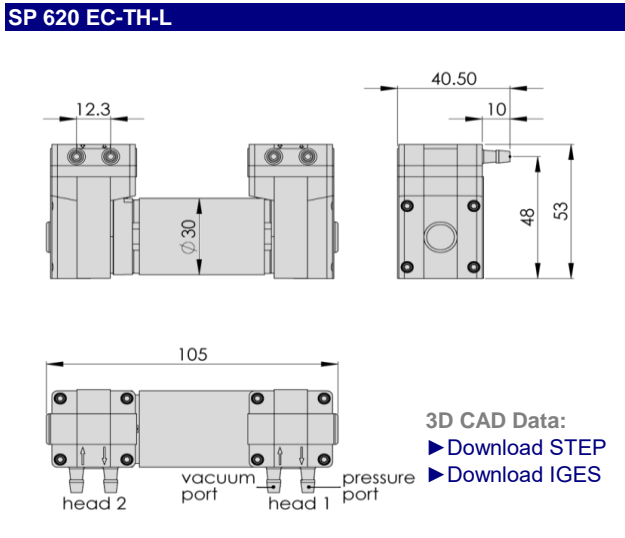
Customised versions for your individual application would be made without additional costs - please contact us!

All flow values given under norm conditions (according to DIN 1343). Optional materials can cause deviating performance values.

| Designation | | SP 620 EC-TH-L |
|--|----------------------|---|
| Operating Voltage [Vdc] | | 12 Vdc |
| Art.No. | | 7s57108 |
| Hydraulic Performance (measured with water at 20°C) | | |
| Free Flow [ml/min] | | 1200 |
| Pressure Side | | |
| Flow at 10 m H ₂ O [ml/min] | | 920 |
| Flow at 15 m H ₂ O [ml/min] | | 780 |
| max. Pressure Height [m H ₂ O] | | > 10.0 |
| 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] | | -3.5 |
| max. Vacuum (dry) [mbar] | | -300 |
| Motor / Power Consumption | | |
| Standard Motor | | iron core / ball bearings |
| max. Nominal Current [mA] | | 1000 |
| Optional Motor Type | | - |
| Construction | | |
| Pump Head | standard optional | PPS customer specific (upon request) |
| Diaphragm, Valves | standard optional | EPDM FKM / FFKM / PTFE |
| Weight [g] | | 240 |

Performance Curves



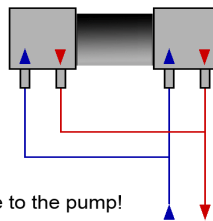


Standard: connection ports as shown
Optional: 3 other port positions possible

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

Tubing Diagram

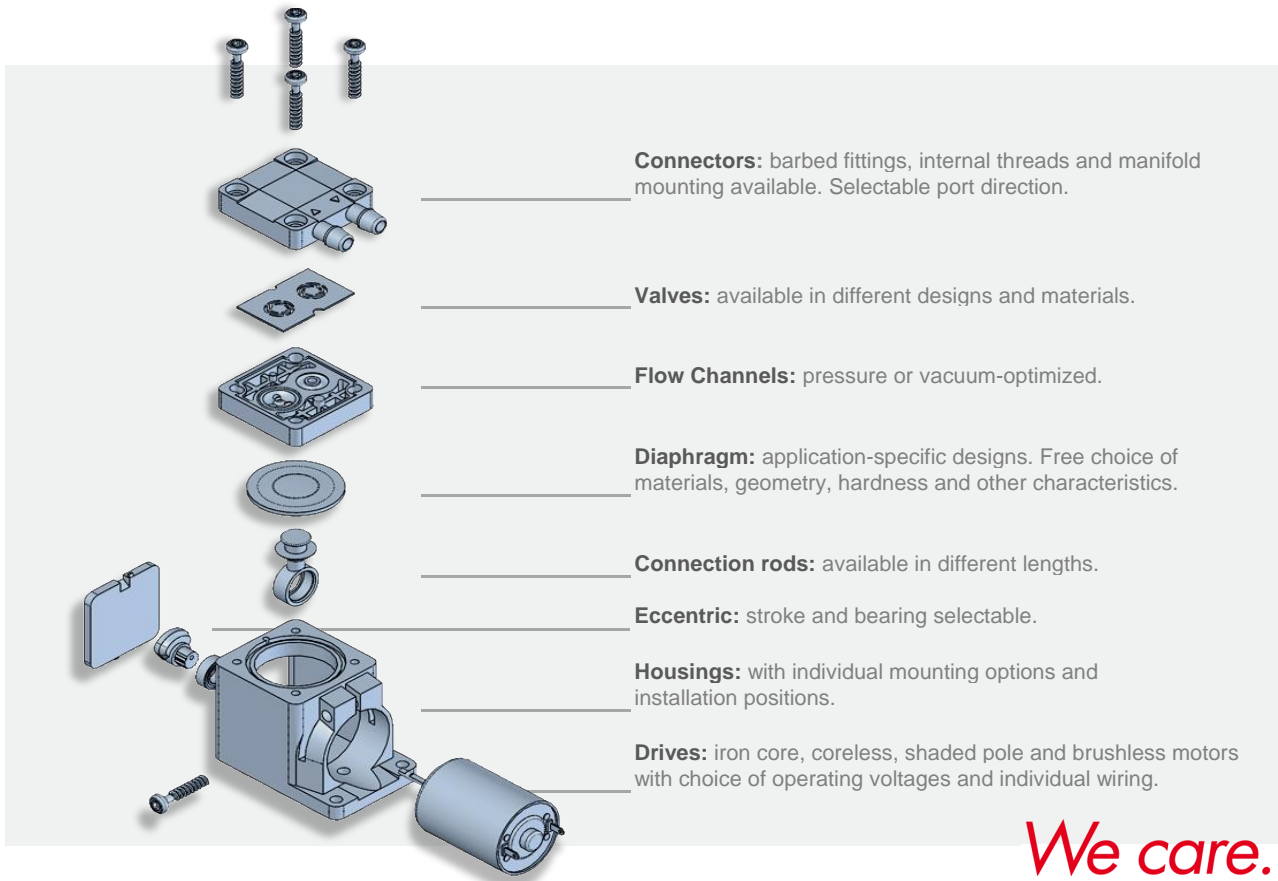
Note: parallel operation only!
Serial operation can cause damage to the pump!





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.

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