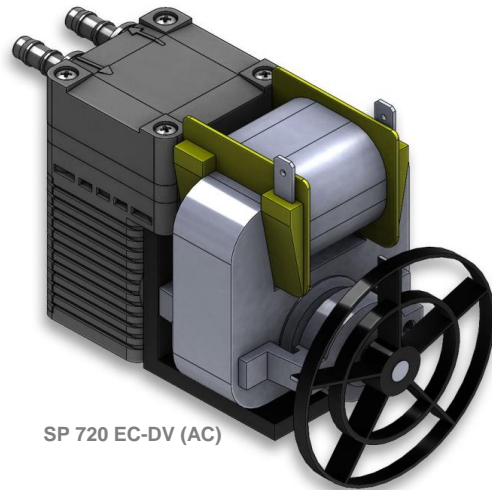


SP 720 EC-DV (DC)
SP 725 EC-DV (DC)



SP 720 EC-DV (AC)

We care.

Customised Pumps - No Additional Costs!

Product Features

- Miniature diaphragm pump for gases
- Optimized for pressure applications
- High efficiency and available in common supply voltages
- Various drives available
- Low weight and small size
- Applicable for noise- and vibration-sensitive environments
- Installation in any mounting orientation allows simple device integration
- Leak-tight, oil-free and maintenance-free

Application Examples

Particularly suitable for stationary devices such as:

- Gas analysers
- Anaesthesia monitoring
- Auto samplers
- Exhaust or flue gas analyzers
- Blood pressure monitoring
- Industrial pressure and vacuum
- 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!





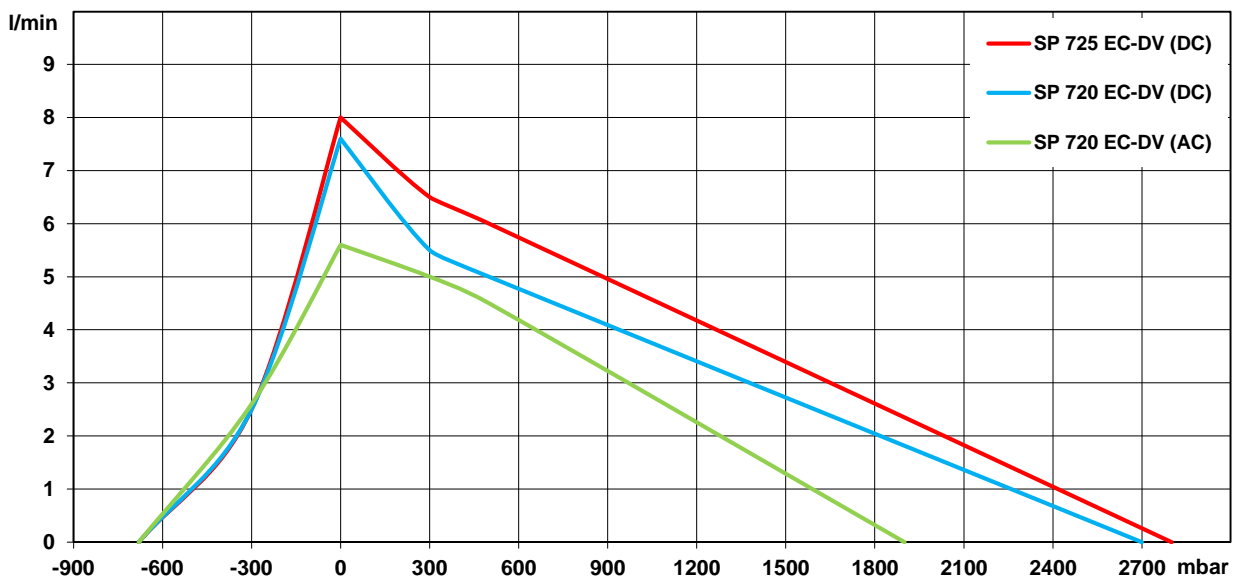
The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests.

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.

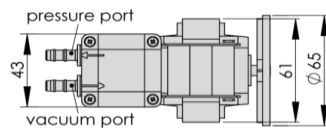
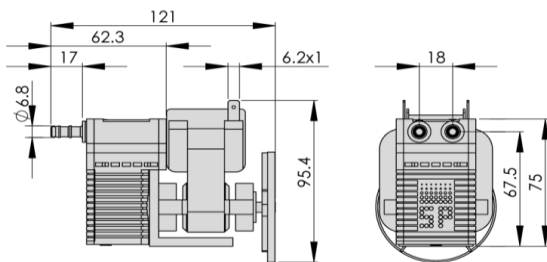
Designation	SP 720 EC-DV (AC)	SP 720 EC-DV (DC)		SP 725 EC-DV (DC)	
Operating Voltage	230 V / 50 Hz	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art. No.	7s54080	7s54002	7s54003	7s54014	7s54015
Pneumatic Performance					
Free Flow [l/min]	5.6	7.6		8.0	
Pressure Side					
Flow at 300 mbar [l/min]	5.0	5.5		6.5	
Flow at 500 mbar [l/min]	4.5	5.0		6.0	
max. Pressure [mbar]	1900	2700		2800	
Vacuum Side					
Flow at -300 mbar [l/min]	2.6	2.5		2.5	
max. Vacuum [mbar]	-680	-680		-680	
Although the pumps are able to produce vacuum above -400 mbar, it is not recommended to exceed this limit!					
Motor / Power Consumption					
Standard Motor Type	shaded pole / ball b.	iron core / ball bearings			
max. Nominal Current [mA]	-	1900	900	2000	900
Power Consumption [W]	39	-	-	-	-
Optional Motor Type	-	-			
Construction					
Pump Head	standard optional	PPS customer specific - upon request			
Diaphragm, Valves	standard optional	EPDM FKM			
Weight [g]	858	570		570	

Performance Curves



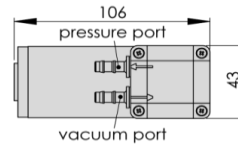
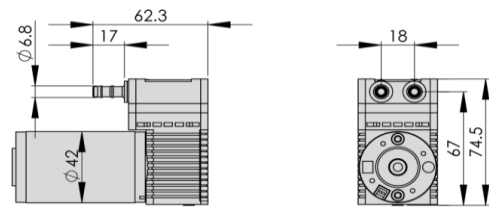


SP 720 EC-DV (AC)



3D CAD Data:
▶ Download STEP
▶ Download IGES

SP 720 EC-DV (DC) / SP 725 EC-DV (DC)



3D CAD Data:
▶ Download STEP
▶ Download IGES

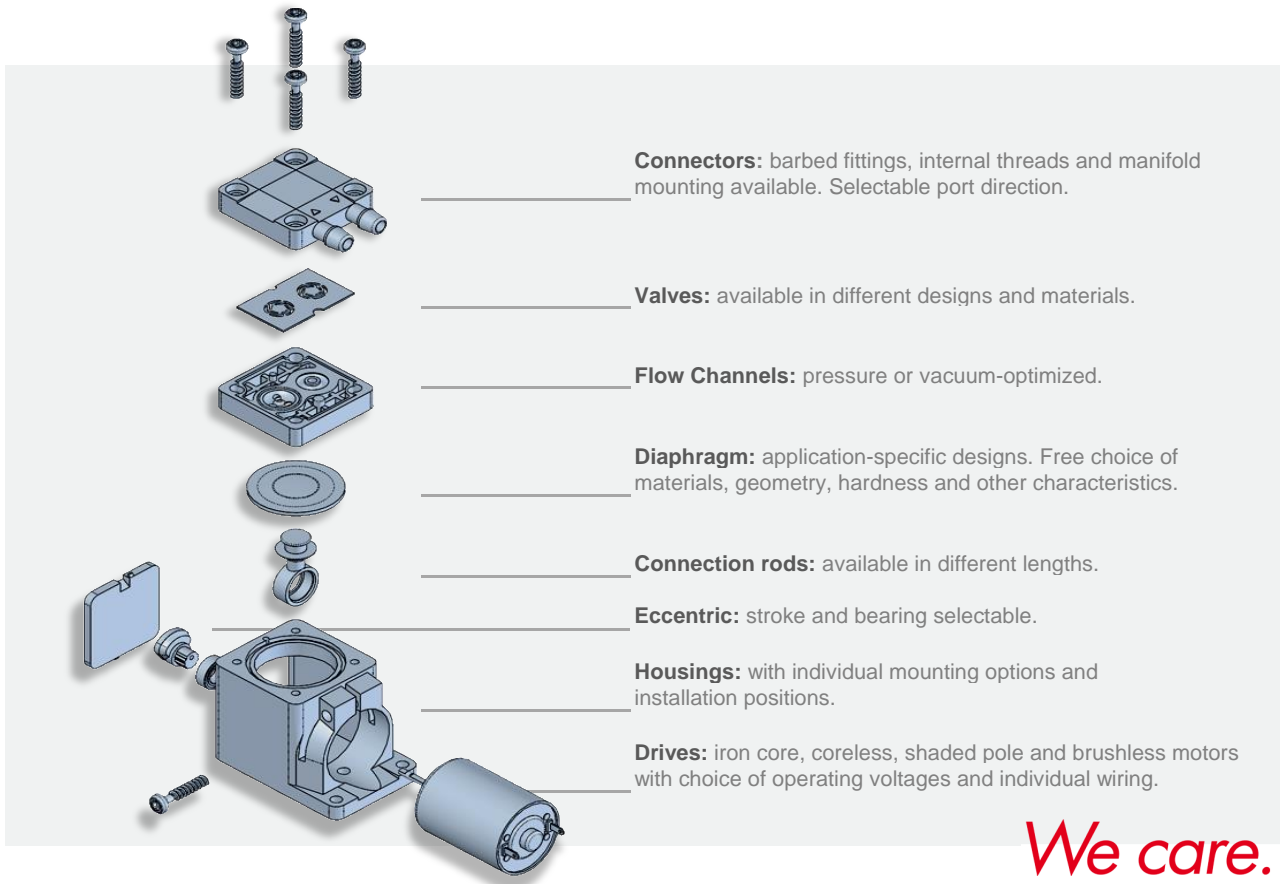
Standard: connection ports as shown
Optional: 3 other port positions possible

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