

SP 300 SA-VB
SP 300 SA-DV

We care.

Customised Pumps - No Additional Costs!

Product Features

- Vibrating diaphragm pump for gases
- Applicable as pressure or vacuum pump
- High efficiency
- Available in common supply voltages (AC and DC)
- Oil-free
- Maintenance-free
- Very long life
- Very cost effective

Application Examples

Particularly suitable for stationary devices such as:

- Gas monitoring
- Fluid level indicators
- Laboratory equipment
- Pipetting devices
- Industrial applications

Customisation

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



Schwarzer
Precision



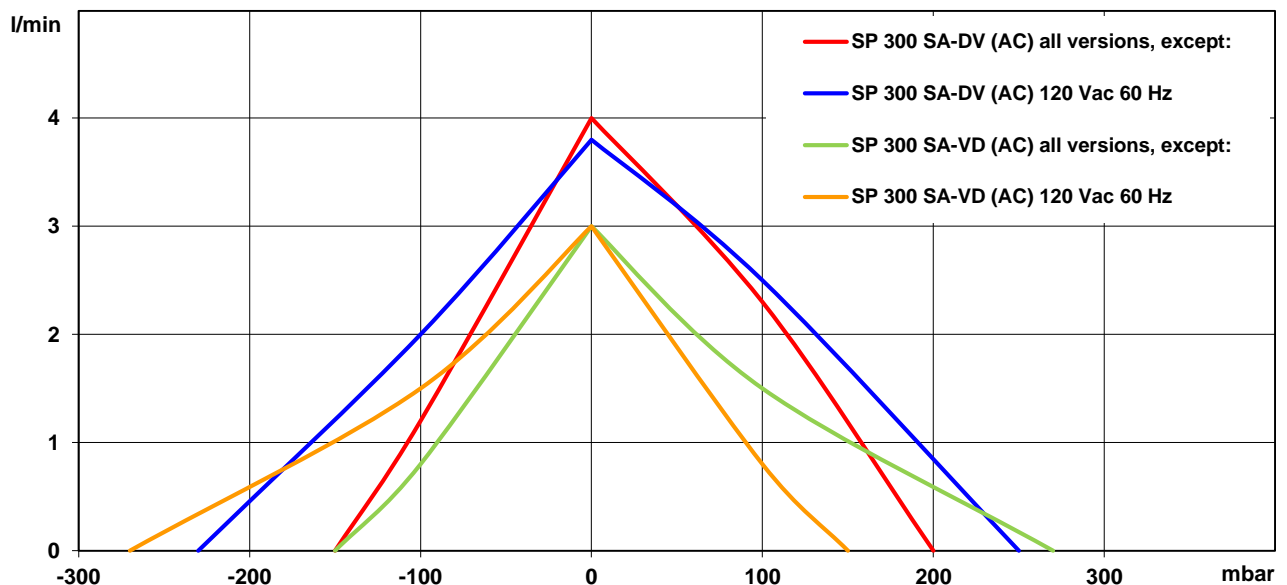
The pumps listed below represent a typical selection of our wide range of eccentric pumps and are intended for initial tests.

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.

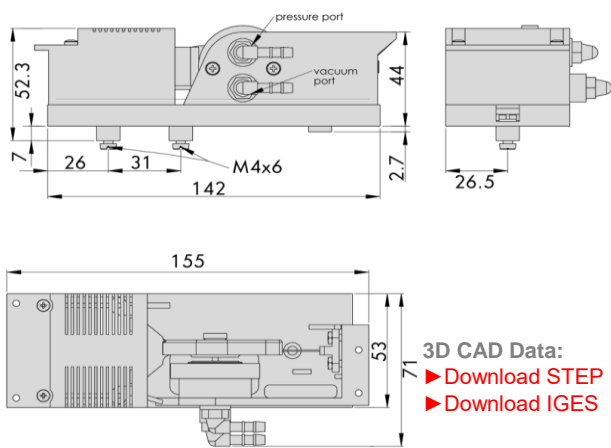
Designation	SP 300 SA-DV (AC)				300 SA-DV (DC)		SP 300 SA-VD (AC)				300 SA-VD (DC)	
Operating Voltage [Vac]	230	120	24	12	-	-	230	120	24	12	-	-
Frequency [Hz]	50	60	50	50	-	-	50	60	50	50	-	-
Operating Voltage [Vdc]	-	-	-	-	24	12	-	-	-	-	24	12
Art. No.	7s10000	7s10002	7s10004	7s10008	7s10012	7s10014	7s10001	7s10003	7s10005	7s10009	7s10013	7s10015
Pneumatic Performance												
Free Flow [l/min]	4.0	3.0	4.0				3.8	3.0	3.8			
Pressure Side												
Flow at 100 mbar [l/min]	2.3	1.5	2.3				2.5	0.8	2.5			
max. Pressure [mbar]	200	270	200				250	150	250			
Vacuum Side												
Flow at -100 mbar [l/min]	1.2	0.8	1.2				2.0	1.5	2.0			
max. Vacuum [mbar]	-150	-150	-150				-230	-270	-230			
Motor / Power Consumption												
Motor Type	Electromagnetic											
Power Consumption [W]	4											
Construction												
Diaphragm / Seal	EPDM / NBR											
standard	-											
optional												
Valves	CR											
standard	-											
optional												
Weight [g]	415						415					

Performance Curves





SP 300 SA



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