SP 270 EC-TH

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Product Features

- diaphragm micro pump for air and gas
- applicable as vacuum pump or pressure pump
- electric motor driven
- available in 5 and 12 volt dc
- minimal current consumption
- oil free / maintenance free
- virtually leak tight
- extremely small pocket size
- reduced vibrations
- low noise
- lightweight

Applications

- Air sampling / gas measurement / gas metering
- Portable gas detector pump for safety devices
- Patient Monitoring / patient analyzer
- Personal gas detector / gas monitor
- Exhaust gas analyser
- Pneumatics
- Pipetting devices
- Fuel cell

Schwarzer Precision

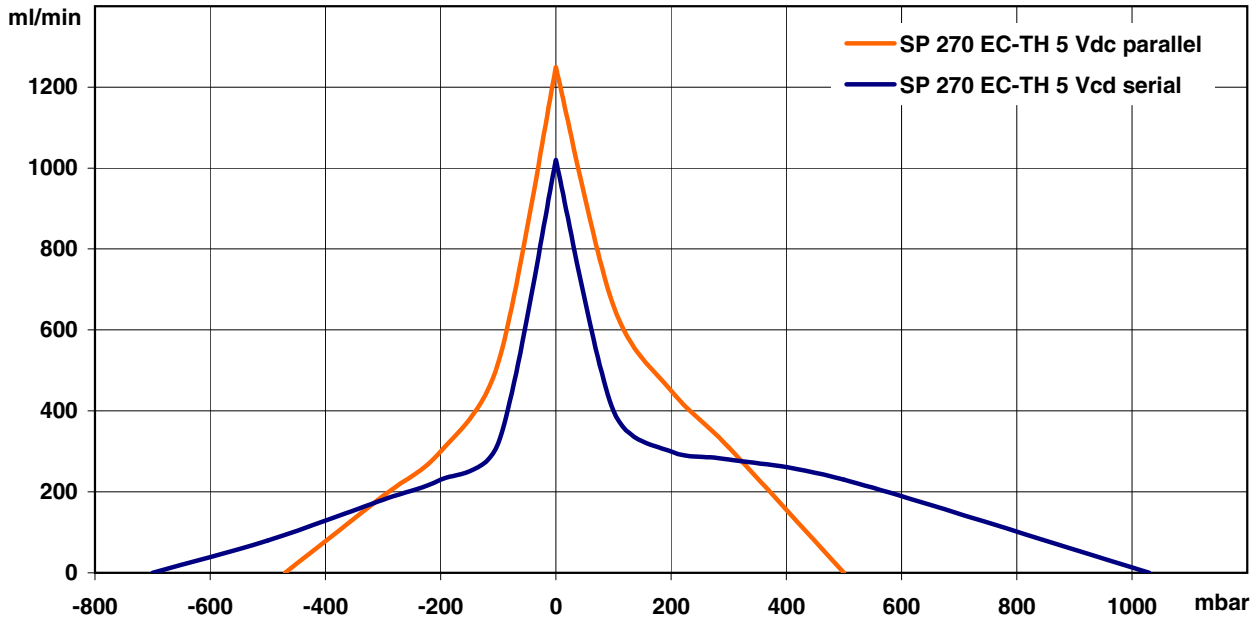
SP 270 EC-TH

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 extra costs - please contact us!

Designation	SP 270 EC-TH			
Operating Voltage*	5 Vdc		12 Vdc	
Art.No.	7s55120		7s55121	
Pneumatic Performance				
	serial	**parallel**	**serial**	**parallel**
Free Flow [ml/min]	1020	1250	1020	1250
flow at:	**Pressure Side**			
100 mbar [ml/min]	400	660	400	660
max. Pressure [mbar]	1030	500	1030	500
flow at:	**Vacuum Side**			
-100 mbar [ml/min]	320	520	320	520
max. Vacuum [mbar]	-700	-470	-700	-470
Motor / Power Consumption				
Motor Type				
standard	skew wound			
optional	double ball bearings			
max. Current [mA]	100		60	
Construction				
Pump Head				
standard	PPS			
optional	customer specific - upon request			
Diaphragm / Valves				
standard	EPDM			
optional	FKM / Silicone			
Weight [g]	35,5		35,5	

* other voltages on request

Performance Curves



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In order to reduce noise and vibration we recommend securing the pump in one of the following ways:

- 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. Wires for the motor and tubing for the pump can go through a hole in the side of the box.

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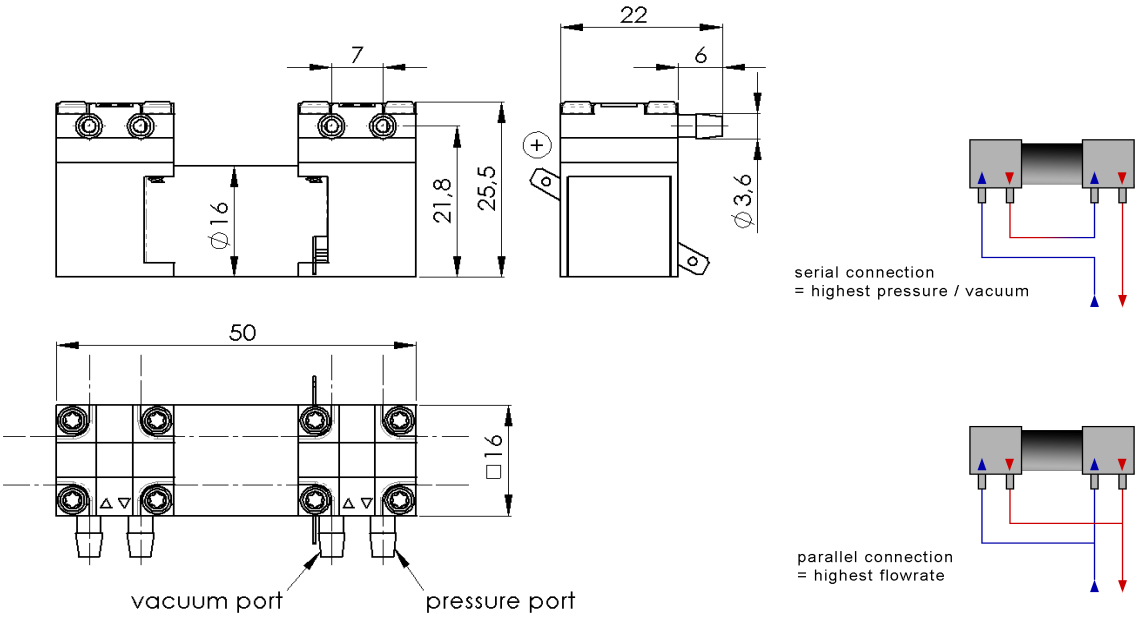

Standard: connection ports as shown. Optional: 3 other port positions possible (see dashed lines)