



SP 270 EC-TH

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

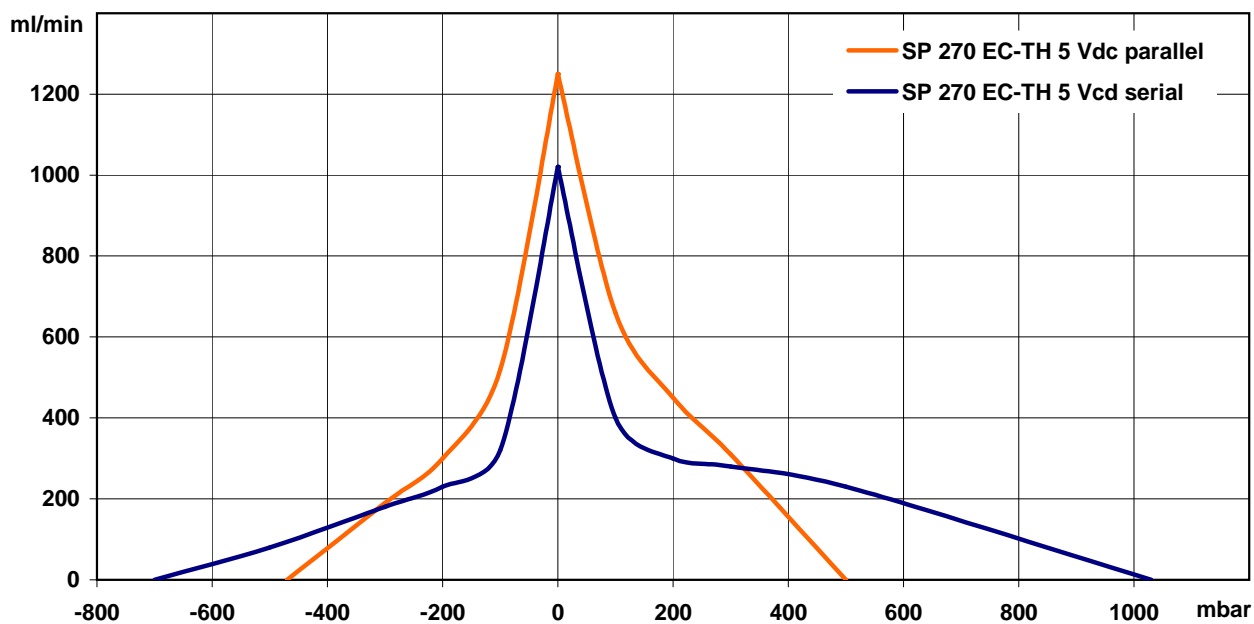
- Air sampling / gas measurement / gas metering
- Portable gas detector pump for safety devices
- Patient Monitoring / patient analyzer
- Personal gas detector / gas monitor
- Exhaust gas analyser
- Pneumatics
- Pipetting devices
- Fuel cell

**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* Art.No.		5 Vdc 7s55120		12 Vdc 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		skew wound double ball bearings / brushless			
	standard optional				
max. Current [mA]		100		60	
Construction					
Pump Head		PPS customer specific - upon request			
	standard optional				
Diaphragm / Valves		EPDM FPM (Viton) / Silicone			
	standard optional				
Weight [g]		35,5		35,5	

* other voltages on request

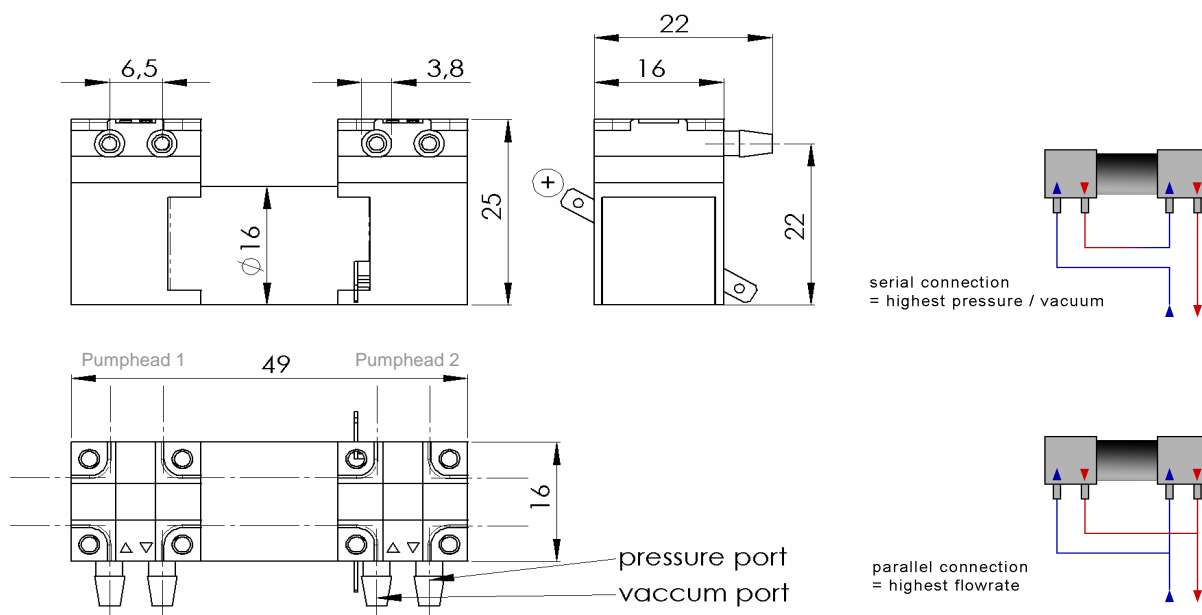
Performance Curves



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)