



SP 135 FZ

Product Features

- micro vane pump for air and gas
- applicable as vacuum pump or pressure pump
- electric motor driven
- available in 3 and 4.5 volt dc
- minimal current consumption
- linear characteristic
- oil free / maintenance free
- reduced vibrations
- low noise
- extremely small pocket size
- lightweight (12 g)

Applications

- Gas sampler / gas measurement / gas metering
- Portable gas detector pump for safety devices
- Patient monitoring / patient analysers
- Personal Gas Detector / Gas Monitor
- Exhaust gas analyser
- Pneumatics
- Pipetting devices
- Fuel cells

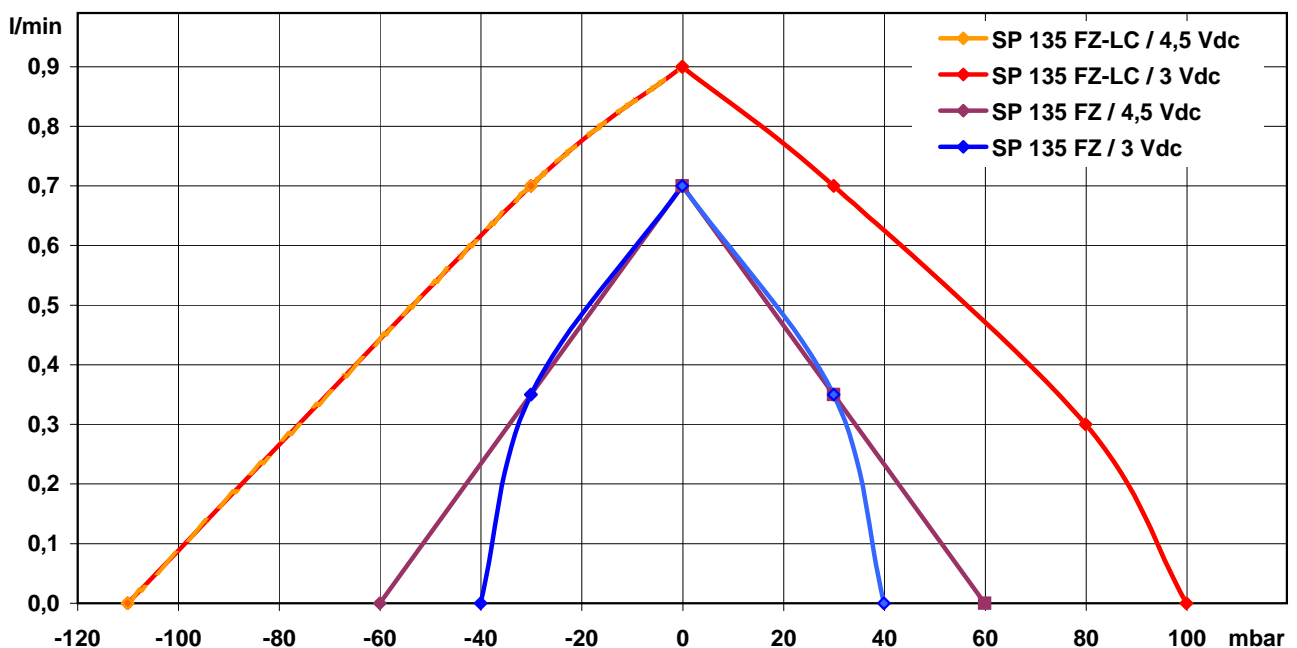


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These pumps are our standard models. For special requirements we are offering customised versions. Please contact us!

Designation	SP 135 FZ-LC		SP 135 FZ	
Operating Voltage	3 Vdc	4,5 Vdc	3 Vdc	4,5 Vdc
Art.-No.	7s60020	7s60021	7s60011	7s60005
Pneumatic Performance				
Free Flow [l/min]	0,9	0,9	0,7	0,7
flow at:	Pressure Side			
30 mbar [l/min]	0,7	0,7	0,35	0,35
80 mbar [l/min]	0,3	0,3		
max. Pressure [mbar]	100	100	40	60
flow at:	Vacuum Side			
-30 mbar [l/min]	0,7	0,7	0,35	0,35
max. Vacuum [mbar]	-110	-110	-40	-60
Motor / Power Consumption				
Motor Type	Iron Core		Skew Wound DC	
max. Current [mA]	250 mA	130 mA	130 mA	90 mA
Construction				
Body and moving parts	Resin bound Graphite			
Weight [g]	12,3		13,0	

Performance Curve



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