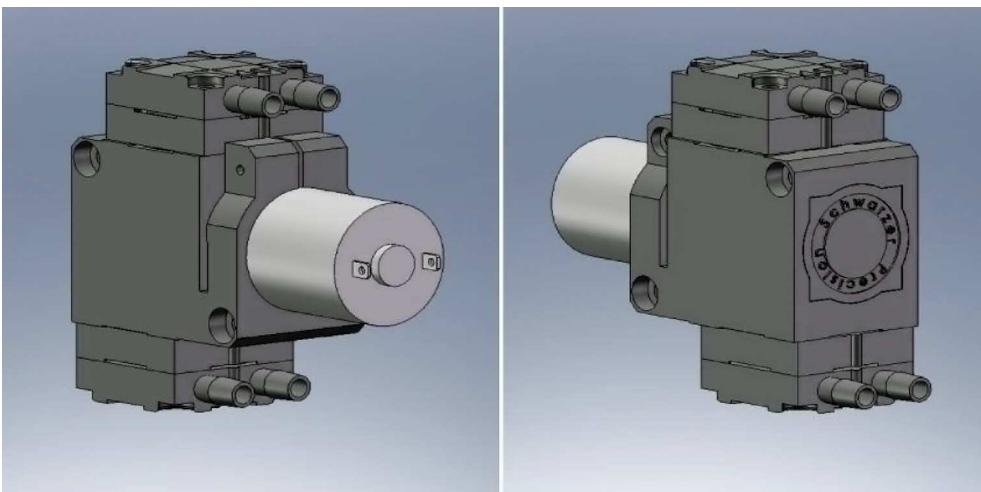


SP 100 EC-DU



SP 100 EC-LC-DU

Product Features

- diaphragm micro pump for air and gases
- applicable as vacuum pump or pressure pump
- can deliver two different media simultaneously
- minimal current consumption
- oil free / maintenance free
- reduced vibrations
- low noise
- virtually leak tight
- lightweight
- extremely small size

Applications

- Air sampling
- Portable gas detector pump for safety devices
- Anaesthesia Equipment
- Personal gas detector / Gas monitor
- Exhaust gas analyser
- Pneumatics
- Pipetting device

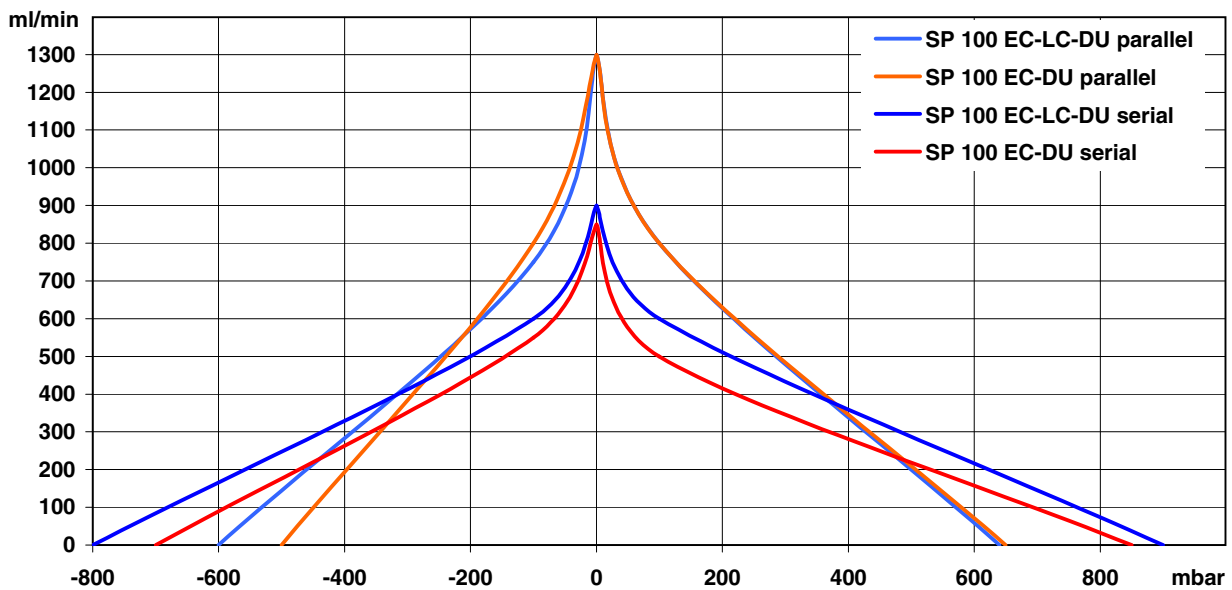


SP 100 EC-DU

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!

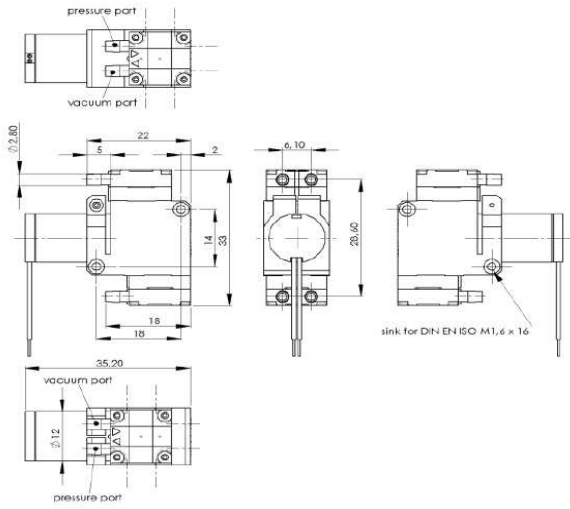
Designation	SP 100 EC-DU		SP 100 EC-LC-DU	
Operating Voltage Art.No.	3 - 12 Vdc on request		3 - 9 Vdc on request	
Pneumatic Performance				
Free Flow [ml/min]	serial 850	parallel 1300	serial 900	parallel 1300
flow at: Pressure Side				
100 mbar [ml/min]	500	800	600	800
max. Pressure [mbar]	850	650	900	640
flow at: Vacuum Side				
-100 mbar [ml/min]	550	800	600	750
max. Vacuum [mbar]	-700	-500	-800	-600
Motor / Power Consumption				
Motor Type	standard optional	skew wound -	iron core -	
max. Current [mA]	300 @ 4,5 Vdc		300 @ 4,5 Vdc	
Construction				
Pump Head	standard optional	PPS customer specific - upon request		
Diaphragm, Valves	standard optional	EPDM FKM / Silicone		
Weight [g]	19		17	

Performance Curves

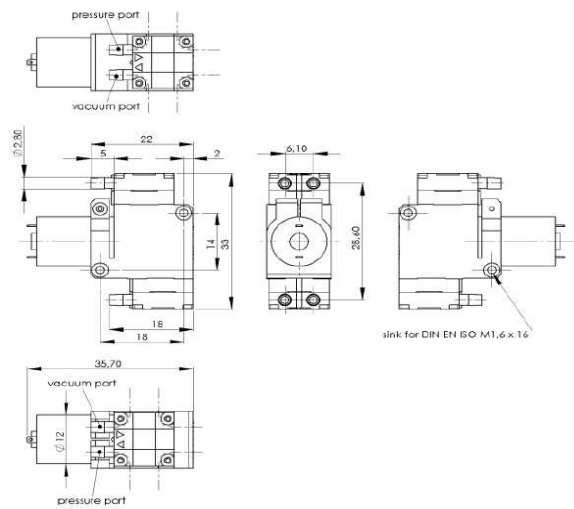




SP 100 EC-DU

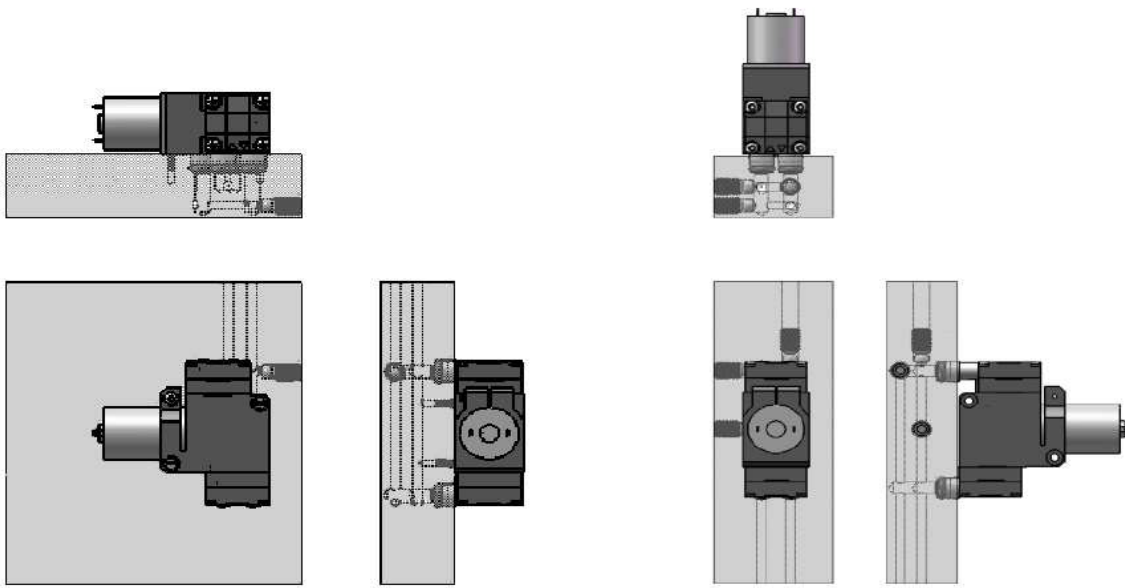


SP 100 EC-LC-DU

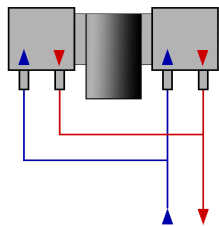


Standard: connection ports as shown. Optional: 3 other port positions possible (see dashed lines)

Manifold Mounting (drilling template on request)



parallel connection
= highest flowrate



serial connection
= highest pressure / vacuum

