



SP 620 EC-DU-L



SP 622 EC-BL-DU-L



SP 625 EC-LC-DU-L



SP 628 EC-DU-L

### Product Features

- t diaphragm mini pump für Liquids (e.g. water)
- t delivers two different media at the same time
- t vacuum and pressure pump
- t self-priming
- t leak tight
- t minimal current consumption
- t oil-free maintenance free
- t reduced vibrations
- t low noise
- t lightweight

### Applications

- t\* industrial Applications
- t Medical Applications
- t Laboratory and Analytical Applications
- t Cooling and Heating
- t Cleaning
- t Random Access Analyzers



Schwarzer  
Precision

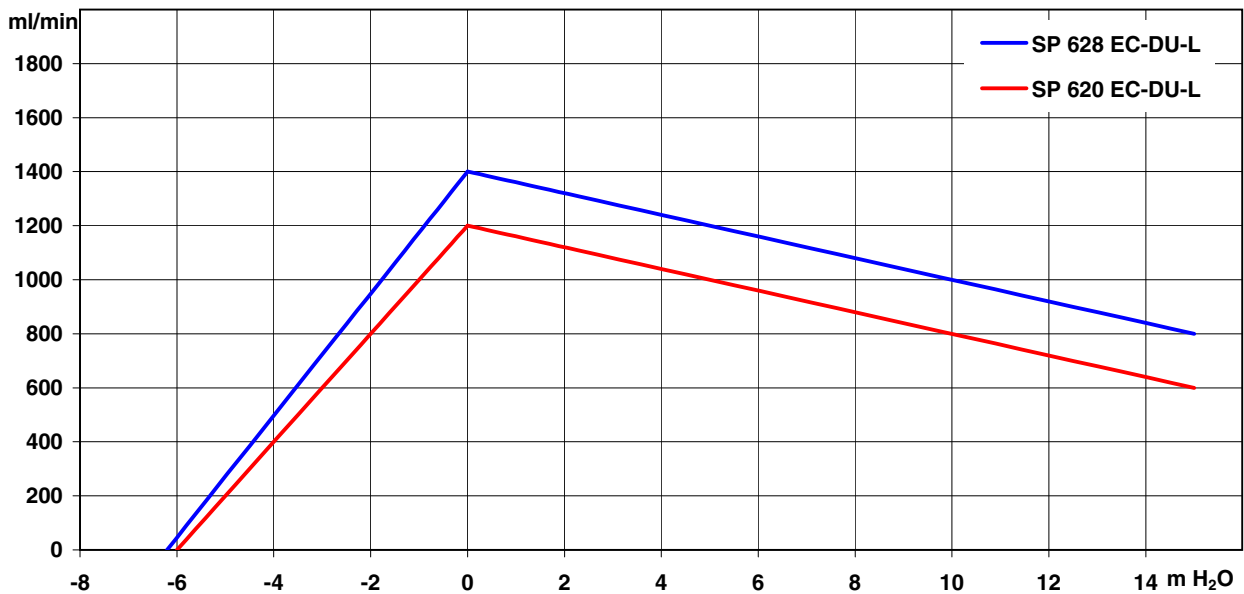


# SP 620 / 622 / 625 / 628 EC-DU-L

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 620 EC-DU-L		SP 628 EC-DU-L	
	Operating Voltage Art.No.	12 Vdc 7s57171	24 Vdc 7s57172	12 Vdc 7s57183
<b>Hydraulic Performance (measured with water @ 20° parallel)</b>				
Free Flow [ml/min]	1200	1100	1400	1400
Flow @ 15m H <sub>2</sub> O [ml/min]	600	500	800	800
Max Press. Height [m H <sub>2</sub> O]	> 15	> 15	> 15	> 15
Although the pumps are able to produce pressure above 15 mWC, it is not recommended to exceed this limit!				
Max Vacuum (dry) [mbar]	-300	-300	-300	-300
Max Suction Height (filled with water) [m H <sub>2</sub> O]	-6,0	-6,0	-6,2	-6,2
<b>Power Consumption</b>				
Motor Type	Long Life Iron Core Double Ball Bearing			
standard				
optional				
max Curr. at free flow [mA]	820	400	1040	520
<b>Construction</b>				
Pump Body / Head	PPS customer specific - upon request			
standard				
optional				
Diaphragm, Valves	EPDM FKM / FFKM / PTFE			
standard				
optional				
Weight [g]	235		320	

## Performance Curves



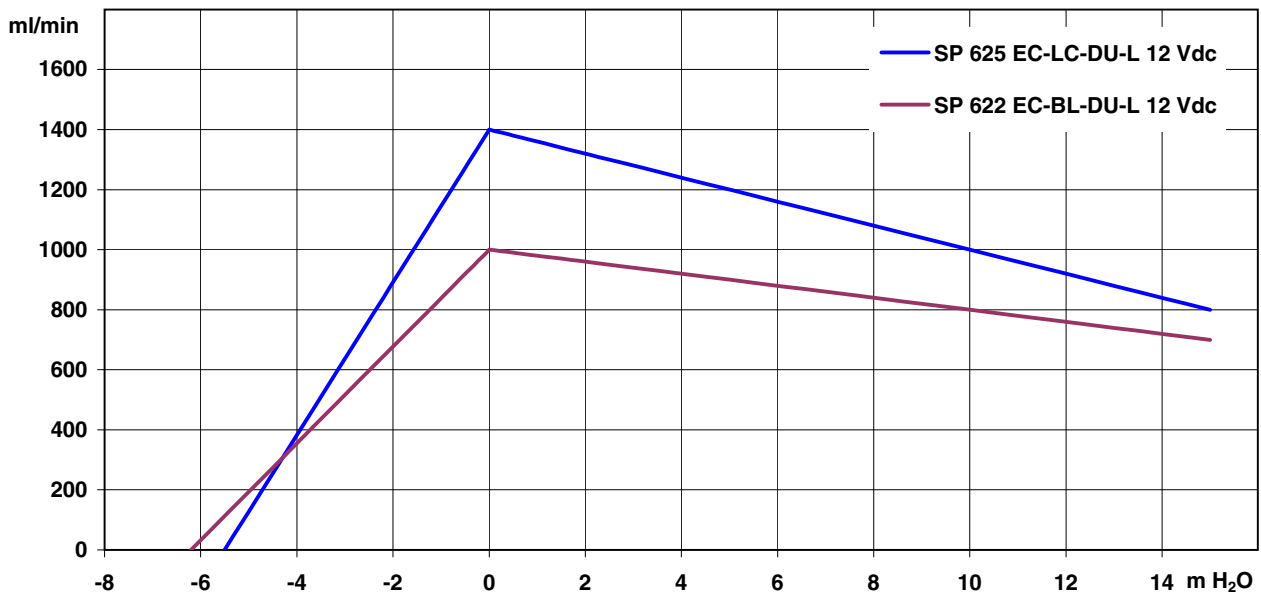


# SP 620 / 622 / 625 / 628 EC-DU-L

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 622 EC-BL-DU-L		SP 625 EC-LC-DU-L	
Operating Voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art.No.	7s57174	7s57175	7s57177	7s57178
<b>Hydraulic Performance (measured with water @ 20° parallel)</b>				
Free Flow [ml/min]	1000	1000	1400	1400
Flow @ 15m H <sub>2</sub> O [ml/min]	700	700	800	800
Max Press. Height [m H <sub>2</sub> O]	> 15	> 15	> 15	> 15
<i>Although the pumps are able to produce pressure above 15 mWC, it is not recommended to exceed this limit!</i>				
Max Vacuum (dry) [mbar]	-300	-300	-300	-300
Max Suction Height (filled with water) [m H <sub>2</sub> O]	-6,2	-6,2	-5,5	-5,5
<b>Power Consumption</b>				
Motor Type	Long Life Brushless Double Ball Bearing		Low Cost Iron Core Double Ball Bearing	
standard				
optional				
max Curr. at free flow [mA]	1000	570	1260	660
<b>Construction</b>				
Pump Body / Head	PPS customer specific - upon request			
standard				
optional				
Diaphragm, Valves	EPDM FKM / FFKM / PTFE			
standard				
optional				
Weight [g]	295		250	

## Performance Curves

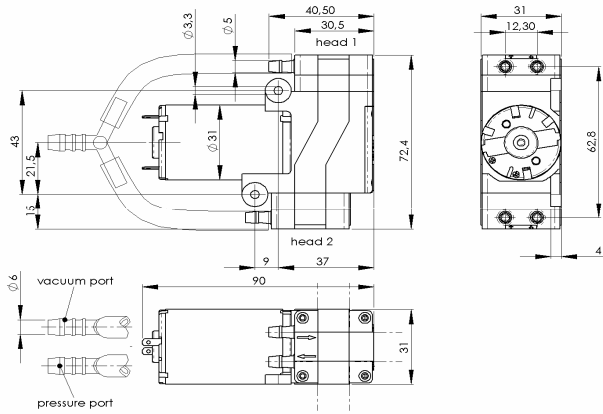




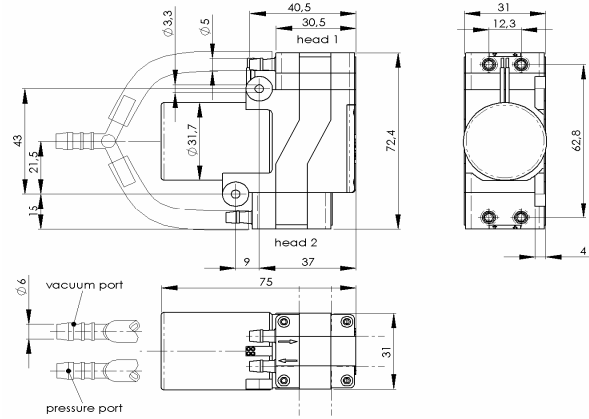
# Eccentric Diaphragm Pumps for Liquids

## SP 620 / 622 / 625 / 628 EC-DU-L

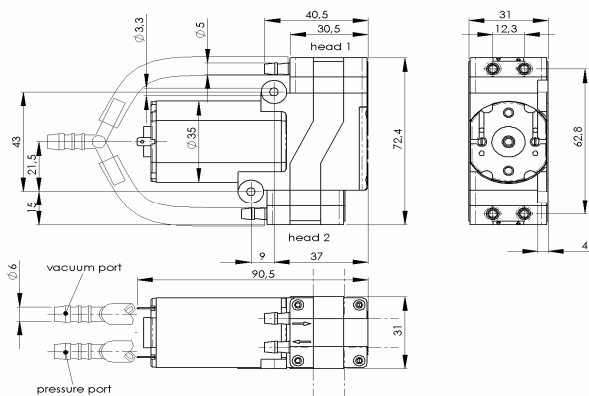
### SP 620 EC-DU-L



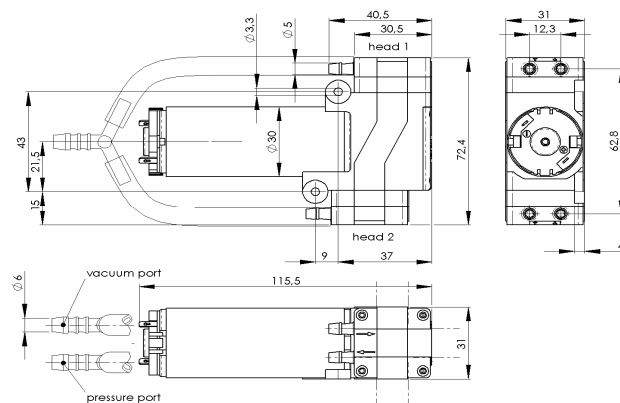
### SP 622 EC-BL-DU-L



### SP 625 EC-LC-DU-L



### SP 628 EC-DU-L



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

