



SP 620 EC-DU-L



SP 622 EC-BL-DU-L



SP 625 EC-LC-DU-L



SP 628 EC-DU-L

Product Features

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

Applications

- Industrial Applications
- Medical Applications
- Laboratory and Analytical Applications
- Cooling and Heating
- Cleaning
- Random Access Analyzers

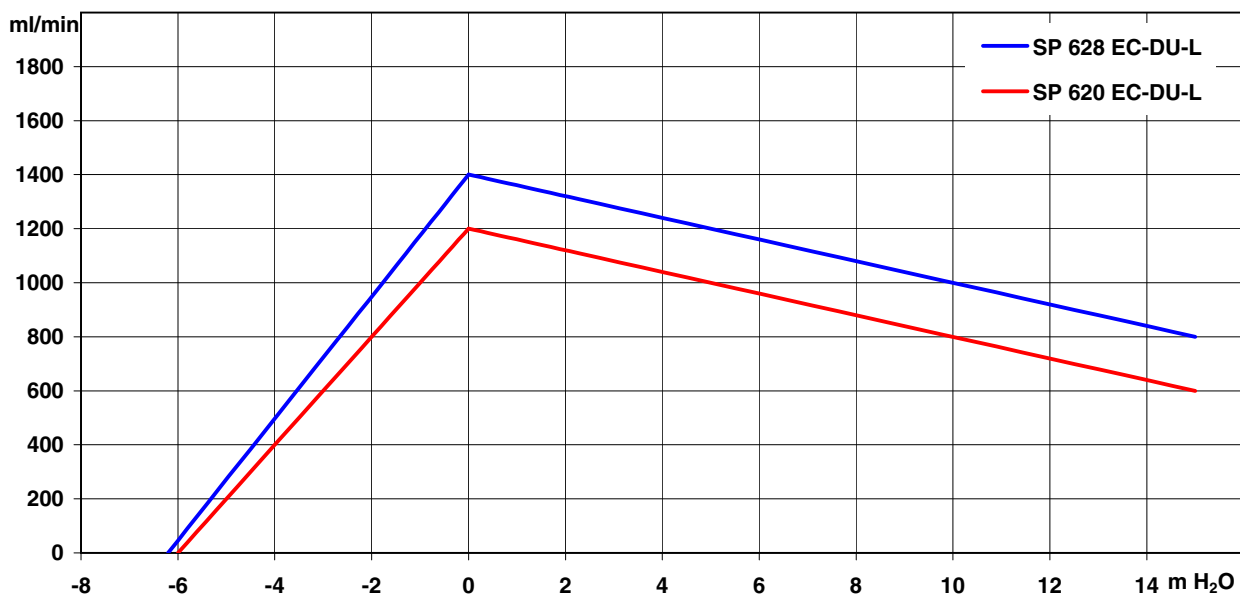


SP 620 / 622 / 625 / 628 EC-DU-L

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	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art.No.	7s57171	7s57172	7s57183	7s57184
Hydraulic Performance (measured with water @ 20° parallel)				
Free Flow [ml/min]	1200	1100	1400	1400
Flow @ 15m H ₂ O [ml/min]	600	500	800	800
Max Press. Height [m H ₂ 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 ₂ O]	-6,0	-6,0	-6,2	-6,2
Power Consumption				
Motor Type	Long Life Iron Core Double Ball Bearing			
standard				
optional				
max Curr. at free flow [mA]	820	400	1040	520
Construction				
Pump Body / Head	PPS			
standard				
optional	customer specific - upon request			
Diaphragm, Valves	EPDM			
standard				
optional	FKM / FFKM / PTFE			
Weight [g]	235		320	

Performance Curves



Schwarzer
Precision

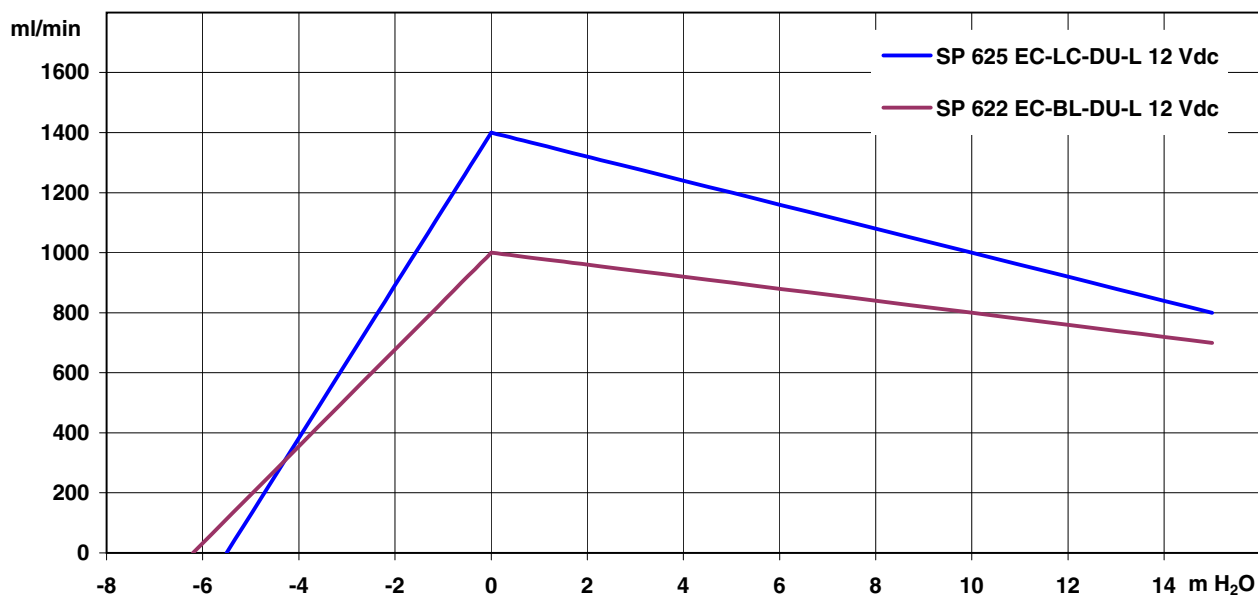


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Designation	SP 622 EC-BL-DU-L		SP 625 EC-LC-DU-L	
Operating Voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc
Art.No.	7s57174	7s57175	7s57177	7s57178
Hydraulic Performance (measured with water @ 20° parallel)				
Free Flow [ml/min]	1000	1000	1400	1400
Flow @ 15m H ₂ O [ml/min]	700	700	800	800
Max Press. Height [m H ₂ 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 ₂ O]	-6,2	-6,2	-5,5	-5,5
Power Consumption				
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
Construction				
Pump Body / Head	PPS			
standard				
optional	customer specific - upon request			
Diaphragm, Valves	EPDM			
standard				
optional	FKM / FFKM / PTFE			
Weight [g]	295		250	

Performance Curves



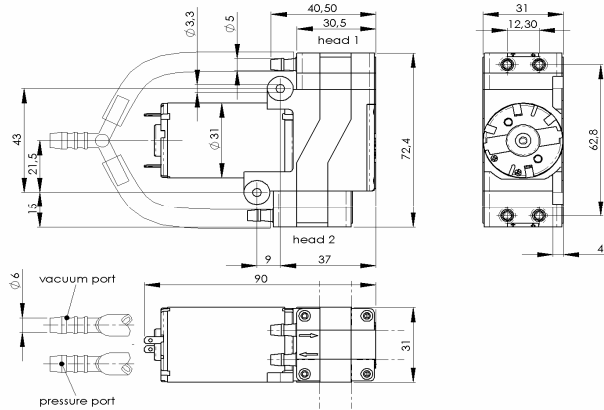
Schwarzer
Precision



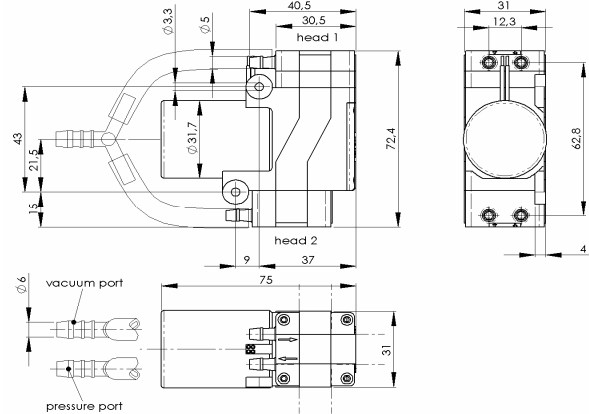
Eccentric Diaphragm Pumps for Liquids

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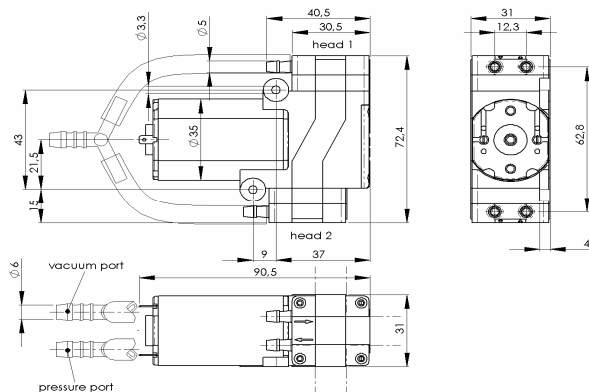
SP 620 EC-DU-L



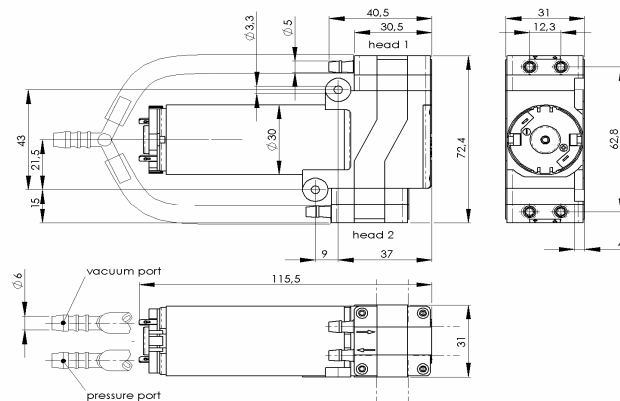
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Standard: connection ports as shown. Optional: 3 other port positions possible (see dashed lines)

