



Schwarzer  
Precision

## Eccentric-Diaphragm-Pumps for Gas SP 620 EC Series - One Head

### Product Features:

- oil free
- maintenance free
- reduced vibrations
- low noise
- small size - high flow
- lightweight
- minimal current consumption



SP620EC-BL



SP620EC-LC



SP620EC  
SP625EC

### Applications:

- Blood Pressure
- Anaesthesia
- Gas Detectors
- Pneumatics
- Exhaust Gas Analysers
- Pipetting Devices
- Autosamplers

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# Eccentric-Diaphragm-Pumps for Gas

## SP 620 EC Series - One Head

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-LC		SP 620 EC			SP 620 EC-BL	SP 625 EC	
Art.No. 6 Vdc			7.57.01					
Art.No. 12 Vdc	7.57.04			7.57.02			7.57.52	
Art.No. 24 Vdc		7.57.05		7.57.03		7.57.11		7.57.53

### Pneumatic Performance

at:	12 Vdc	24 Vdc	6 Vdc	12 Vdc	24 Vdc	24 Vdc	12 Vdc	24 Vdc
free flow [ml/min]	4500	4500	4800	4800	4800	3300	5200	5200
flow at:	<b>Pressure side:</b>							
100 mbar [ml/min]	3600	3600	4400	4300	3800	2500	4600	4500
max. Pressure [mbar]	1770	1740	1830	1850	1810	950	1810	1810
max. Pressure at continuous operation [mbar]	300	300	500	500	500	500	500	500
	measured with EPDM							
flow at:	<b>Vacuum side:</b>							
-100 mbar [ml/min]	3400	3400	4000	3800	3500	2000	4300	4000
max. Vacuum [mbar]	750	750	680	680	680	455	680	680
	measured with EPDM							

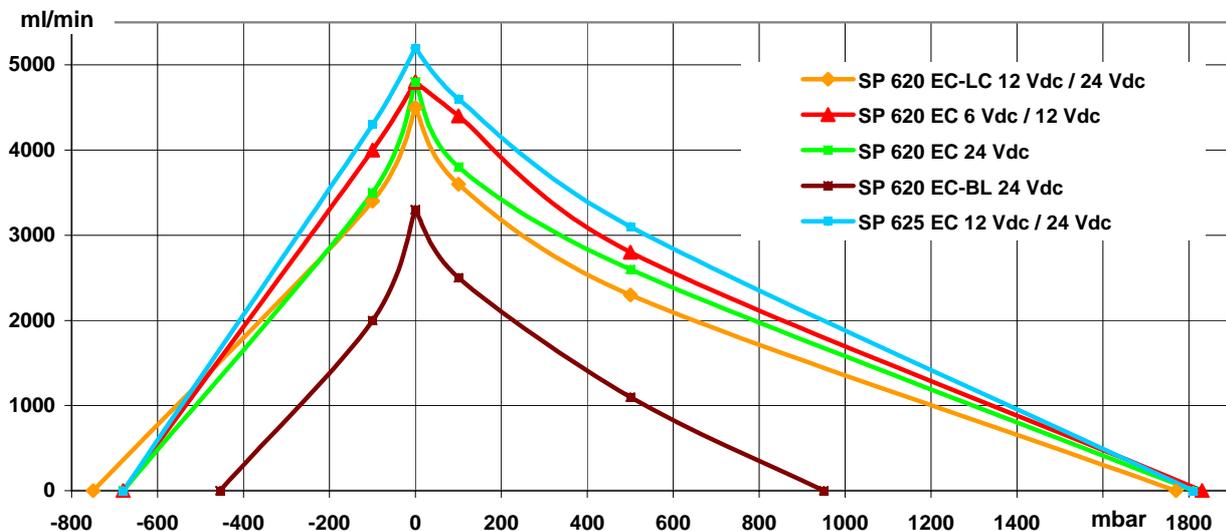
### Power Consumption

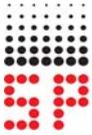
Motor Type	with Electromagnetic Suppression							
	Low Cost Iron Core		Long Life Double Ball Bearing			Long Life Brushless	Long Life Double Ball Bearing	
max. current [mA]	600	290	830	410	300	210	620	320

### Material

Pump Head	Standard	Optional	PPS	PPS	PPS	PPS	PPS	
Diaphragm, Valves	Standard	Optional	EPDM	Viton	EPDM	Viton	EPDM	Viton
			customer specific - upon request					

### Performance Curves



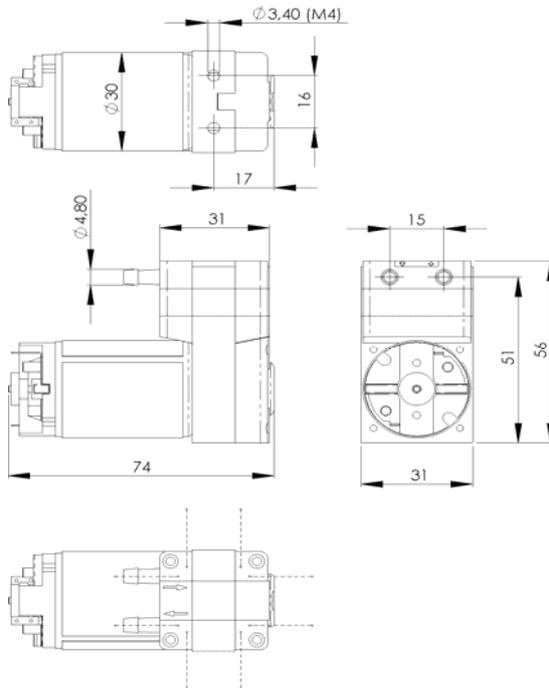


### Drawings

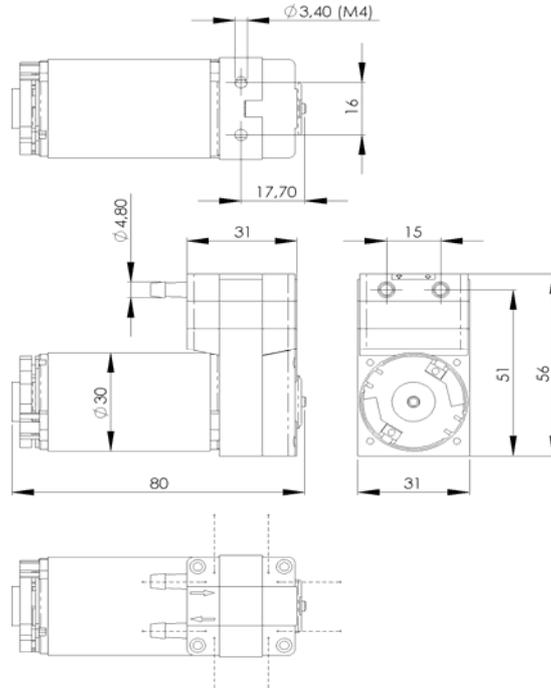
Standard: connection ports as shown

Optional: 3 other positions possible (see dashed lines)

620 EC-LC



620 EC / SP 625 EC



620 EC-BL

