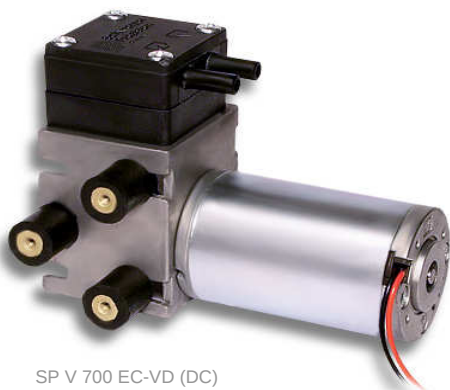




SP V 700 EC-VD (DC)



SP V 730 EC-VD (DC)



SP V 700 EC-VD (AC)



SP V 730 EC-BL-VD

Product Features

- optimized for vacuum application
- oil free
- maintenance free
- reduced vibrations
- low noise
- small size
- lightweight
- minimal current consumption

Applications

- Autoclaves
- Medical Applications
- Stationary Gas Monitoring
- Pneumatics
- Industrial Applications

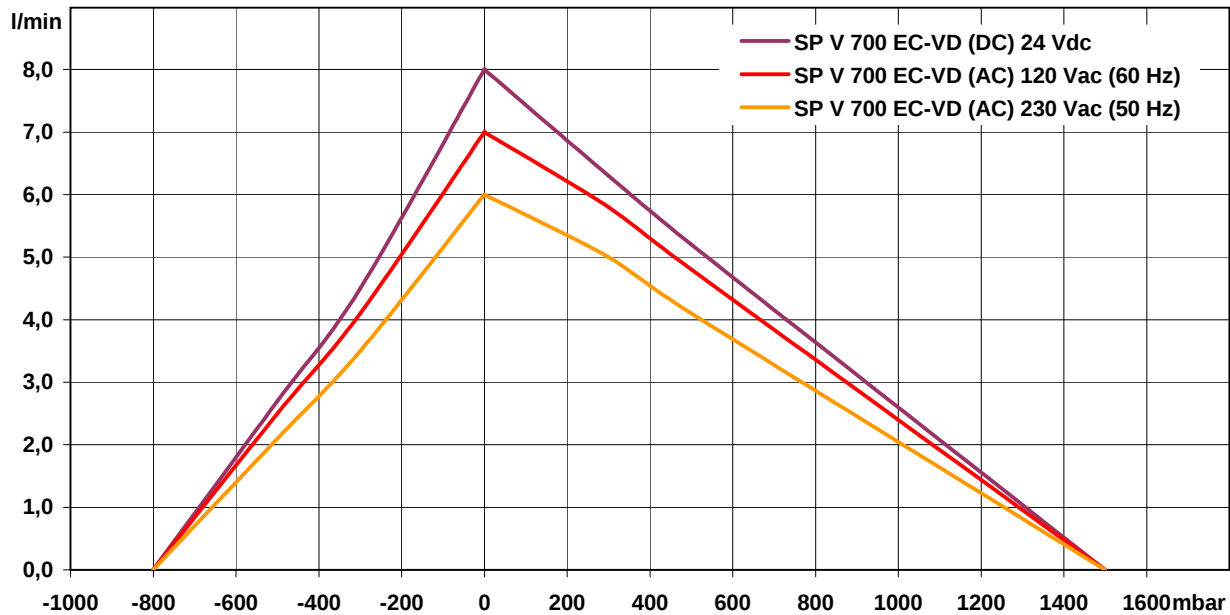


SP 700 EC / 730 EC

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

Designation	SP V 700 EC-VD (DC)		SP V 700 EC-VD (AC)		
Operating Voltage Art.No.	12 Vdc 7e53005	24 Vdc 7e53003	24 Vac (50-60 Hz) 7e53002	230 Vac (50 Hz) 7e53000	120 Vac (60 Hz) 7e53001
Pneumatic Performance					
Free Flow [l/min]	8,0	8,0	6,0	6,0	7,0
flow at:			Pressure Side		
500 mbar [l/min]	5,2	5,2	4,1	4,1	4,8
300 mbar [l/min]	6,3	6,3	5,0	5,0	5,8
max. Pressure [mbar]	1500	1500	1500	1500	1500
flow at:			Vacuum Side		
-300 mbar [l/min]	4,5	4,5	3,5	3,5	4,1
max. Vacuum [mbar]	-800	-800	-800	-800	-800
Motor / Power Consumption					
Motor Type	Iron Core DC		Shaded Pole		
max. Current [mA]	800	500	3200	330	740
Power consumption [W]	-	-	38 @ 50Hz	36,5	45,5
Construction					
Pump Head standard			PPS		
optional			Nylon		
Diaphragm standard			Viton		
optional			EPDM		
Valves standard			FPM (Viton)		
optional			-		
Seal standard			Silicone		
optional			FPM (Viton)		
Weight [g]	574		1020		

Performance Curves



SP 700 EC / 730 EC

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

Designation	SP V 730 EC-VD (DC)		SP V 730 EC-BL-VD		SP V 730 EC-VD (AC)		
Operating Voltage	12 Vdc	24 Vdc	12 Vdc	24 Vdc	24 V (50-60 Hz)	120 V (60 Hz)	230 V (50 Hz)
Art.No.	7e53044	7e53045	7e53028	7e53029	7e53046	7e53047	7e53048

Pneumatic Performance

Free Flow [l/min]	8,5	8,5	7,0	7,0	6,5
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[illegible]

500 mbar [l/min]	4,8	4,8	4,3	4,3	3,2
300 mbar [l/min]	6,3	6,3	5,4	5,4	4,1
max. Pressure [mbar]	1200	1200	1200	1200	1200

flow at:				Vacuum Side
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-300 mbar [l/min]	4,8	4,8	4,3	4,3	3,2
max. Vacuum [mbar]	-867	-867	-867	-867	-867

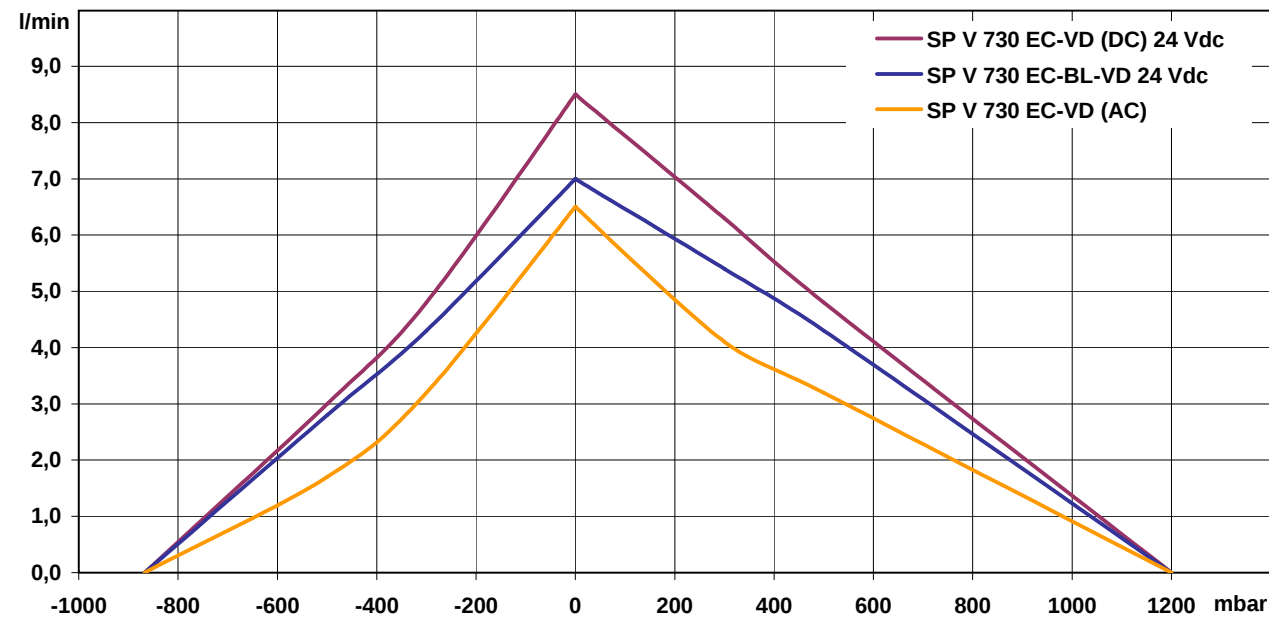
Motor / Power Consumption

Motor Type	Iron Core DC		Brushless DC		Shaded Pole	
Current at Run [mA]	700	400	600	400		300
Current at Start [mA]	1300	700	1200	900		
Power consumption [W]	-	-	-	-		66

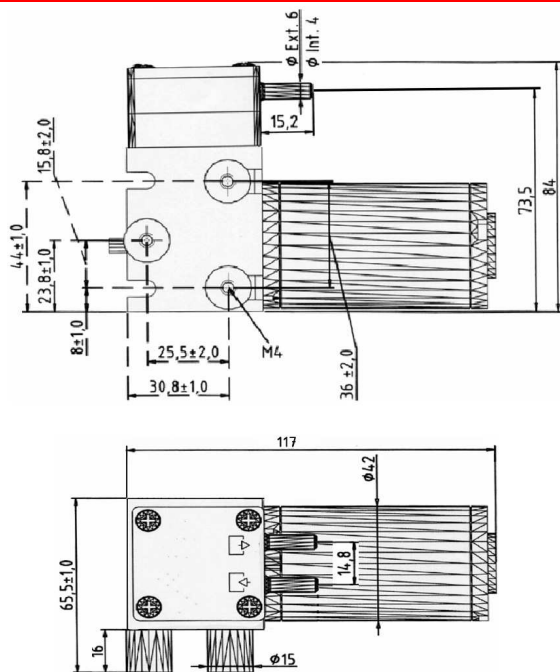
Construction

Pump Head standard	PPS		
optional	-		
Diaphragm standard	PPM	FPM (Dyneon ®)	PPM
optional	-	-	-
Valves standard	PPM	FPM (Dyneon ®)	PPM
optional	-	-	-
Seal standard	EPDM		
optional	-		
IP-Protection	IP 20	IP 30	IP 00
Insulation Class	Class E	Class E	Class B
Thermal Switch	-	-	120°C
Weight [g]	580	460	960

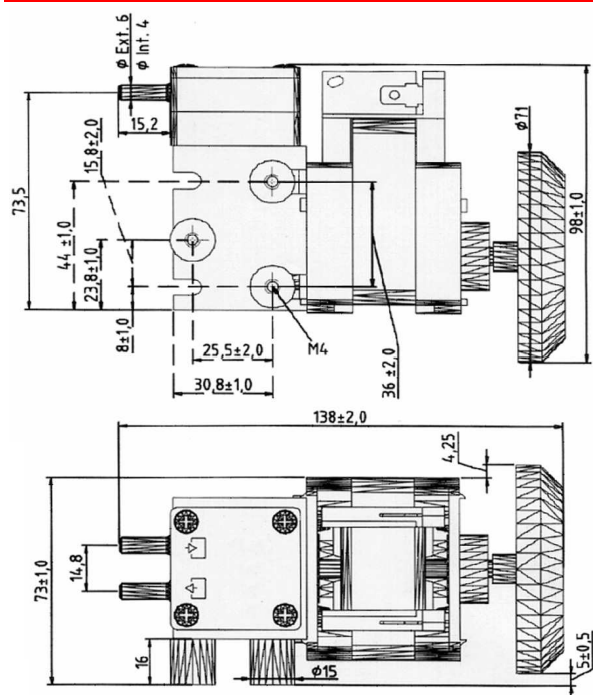
Performance Curves



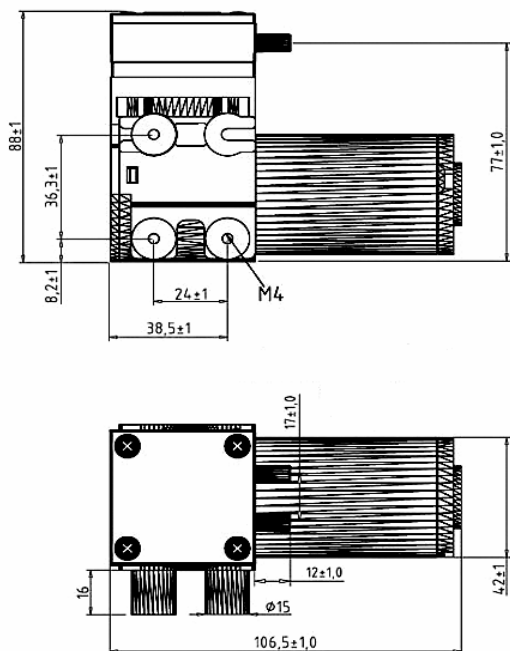
SP V 700 EC-VD (DC)



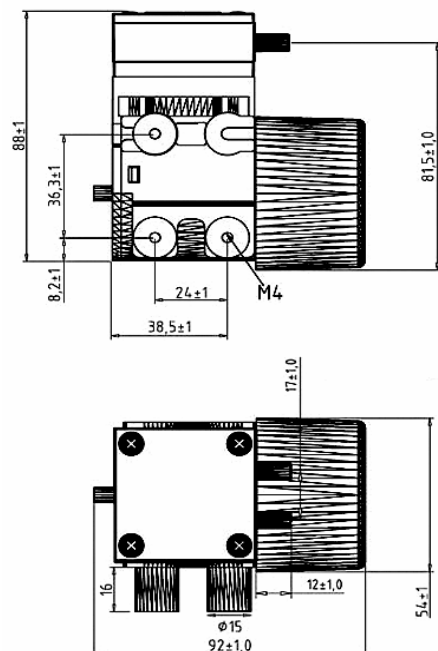
SP V 700 EC-VD (AC)



SP V 730 EC-VD (DC)



SP V 730 EC-BL-VD



Standard: connection ports as shown.

Optional: 3 other port positions possible (see dashed lines) and threaded ports (M8)