



SP V 6C16A RO-DV

Product Features

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

Applications

- Blood Pressure Monitoring



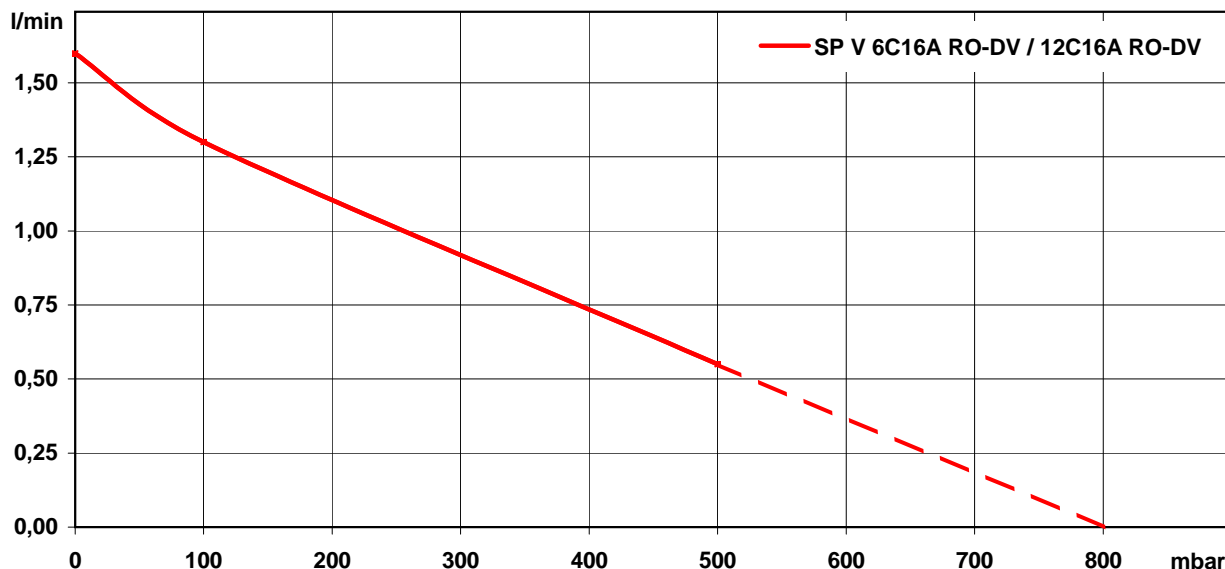
Designation	SP V 6C16A RO-DV	SP V 12C16A RO-DV
Art.Nr.:	7k73023	7k73022
Main Application	Blood pressure monitoring	
Body		
Body Size	55,5 x 15,4 x 36,0 mm	
Nozzle Length / Ø	5,5 mm / 3,0 mm	
Number of Nozzles	2	
Medium	Air	
Motor		
Motor	FF 130SH	Mabuchi
Coil Winding	14220	FK 130SH
Rated Voltage	6 Vdc	10450
Operational Voltage	5,8 - 6,2 Vdc	12 Vdc
Brush Material	Metal	9,0 - 14,0 Vdc
		Carbon
Performance		
Free flow rate	1500 ml/min	1500 ml/min
Test Cycle	500cc from 0 mmHg to 300 mmHg	500cc from 0 mmHg to 300 mmHg
Pressurizing Time at Test	n/a	max. 13,5 sec.
Current Draw at Test	max. 300 mA	max. 200 mA
Noise Level at Test (30 cm distance from 200 - 300 mmHg)	n/a	max. 60 dB(A)
Max. leak Rate at 260 mmHg / 100cc	n/a	2 mmHg/min
Dead Head Pressure	550 mmHg	550 mmHg
Dead Head Vacuum	-	-
Re-start Volt. at 200 mmHg up to 300 mmHg	n/a	max. 4,0 V
Environmental Conditions		
Operational Temp.	+5 - +45°C	
Operational Humidity	30%-80% rel. Hum.	
Storage Temperature	-20 - +70°C	
Storage Humidity	30%-80% rel. Hum.	
Lifetime		
Test cycle (lifetime)	500cc from 0 mmHg to 300 mmHg	
Specified Lifetime	200000 test cy.	





Designation	SP V 6C16A RO-DV	SP V 12C16A RO-DV
Voltage	6 Vdc	12 Vdc
Art.-No.	7k73025	7k73022
Pneumatic Performance		
Free Flow [l/min]	1,6	1,6
flow at: Pressure Side		
100 mbar [l/min]	1,3	1,3
max. Pressure [mbar]	800	800
flow at: Vacuum Side		
-50 mbar [l/min]	-	-
max. Vacuum [mbar]	(Pump is not suitable for Vacuum Applications. Vacuum Nozzle is Air Inlet only)	
Motor / Power Consumption		
Motor Type	Iron Core	
Power consumption	280 mA	150 mA
Material		
Pump Body	ABS	
Diaphragm	CR Rubber	
Valves	NBR Rubber	
Weight [g]	38,5	38,5

Performance Curves



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SP V 6C16A RO-DV / 12C16A RO-DV

