

SCPMc 03 S01 NC M8-6 NPN AA1

Art.-Nr.: 10.02.02.05745



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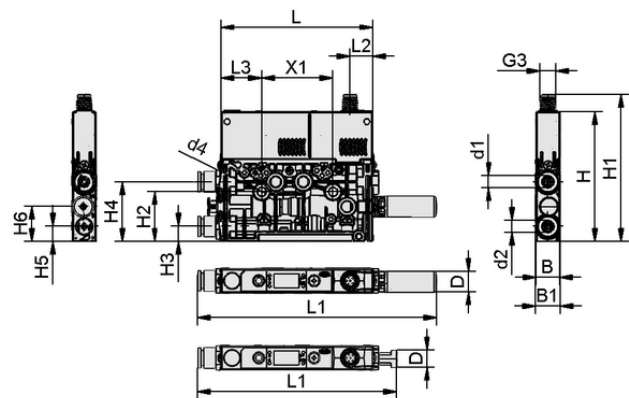
Technical data

Attribute	Value
Construction vacuum switch	NPN switching
Electrical connection	Male connect M8, 6 pole
Protection type IP	IP 40
Max. vacuum	870 mbar
Sound pressure level free	51.0 dB(A)
Air consumption suction	3.5 l/min
Suction rate (max.)	2.2 l/min
Connection	Hose D4(1)-D4(2)
Pressure range (operating pressure) [bar]	2.0 ... 6.0 bar
Control valve	Normally closed

Compact ejector SCPM is delivered as a ready-to-connect product (without connection cable).

Available spare parts: silencer, filter element

Available accessories: connection cable, connection plug



Design data SCPMc 03 S01 NC M8-6 NPN AA1

Design data

Attribute	Value
Length L1	95.30 mm
Length L2	11.40 mm
Length L	76.50 mm
Width B1	12.50 mm
Width B	12.00 mm
Height H1	73.90 mm
Height H2	24.95 mm
Height H	65.30 mm
Outside diameter D	9.00 mm
Internal diameter d1	4.2 mm



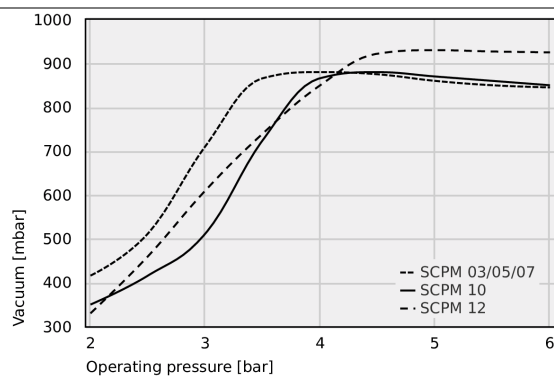
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**Technical data**

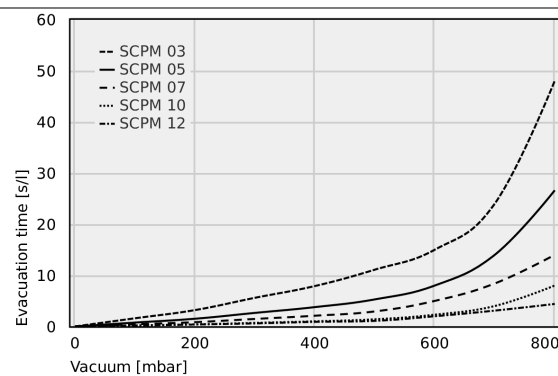
Attribute	Value
Construction vacuum switch	NPN switching
Control valve	NC
Recommended hose internal diameter compressed air	2.0 mm
Recommended hose internal diameter vacuum	2.0 mm
Degree of evacuation	87.0 %
Max. vacuum	870 mbar
Weight	84.0 g
Max. air consumption blow-off	10.0 l/min
Air consumption suction	3.5 l/min
Suction rate (max.)	2.2 l/min
Optimal operating pressure	4.00 bar
Pressure range (operating pressure) [bar]	2.0 ... 6.0 bar
Operating temperature	0 ... 50 °C
Product family	SCPMc
Electrical connection	M8-6
Configurator code	AA1



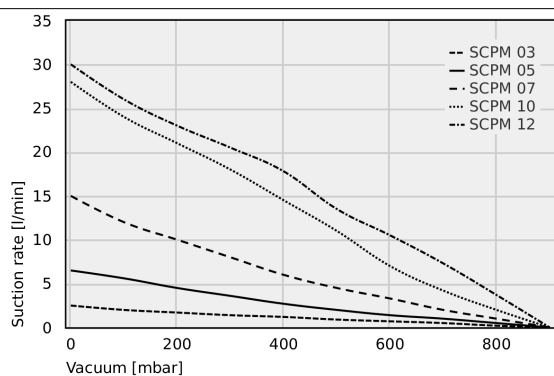
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**Performance data**

Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]

**Achievable vacuum at various operating pressures**

Typ	2	2.5	3.0	3.5	4	4.5	5	5.5	6
SCPM 03/05/07	416	512	711	866	880	875	860	850	845
SCPM 10	350	416	512	725	866	880	870	860	850
SCPM 12	330	460	610	740	850	922	930	927	925



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**Evacuation time for various vacuum ranges [s/l]**

Typ	0	100	200	300	400	500	600	700	800
SCPM 03	0.00	1.60	3.20	5.60	7.90	11.10	15.00	24.00	48.00
SCPM 05	0.00	0.76	1.51	2.65	3.78	5.29	8.00	14.00	26.60
SCPM 07	0.00	0.42	0.84	1.47	2.10	2.94	5.00	8.40	14.00
SCPM 10	0.00	0.20	0.40	0.70	1.00	1.40	2.30	4.00	8.00
SCPM 12	0.00	0.18	0.38	0.60	0.90	1.10	2.00	3.10	4.40

**Suction rate at various degrees of evacuation [l/min]**

Typ	0	100	200	300	400	500	600	700	800	900
SCPM 03	2.5	2.0	1.7	1.4	1.2	0.9	0.7	0.5	0.2	0.0
SCPM 05	6.5	5.6	4.5	3.6	2.7	2.0	1.4	1.0	0.5	0.0
SCPM 07	15.0	12.0	10.0	8.0	6.0	4.5	3.3	2.0	1.0	0.0
SCPM 10	28.0	24.0	21.0	18.0	14.5	11.0	7.0	4.2	2.0	0.0
SCPM 12	30.0	26.0	23.0	20.5	17.8	13.5	10.5	7.30	3.70	0.00

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.05745**Ordering Data Accessories 10.02.02.05745**

Typ		Item number
Connection cable	ASK WB-M8-6 2000 K-6P	21.04.05.00488
Connection cable	ASK WB-M8-6 2000 S-M12-5	21.04.05.00489
Connection cable	ASK B-M8-6 5000 K-6P	21.04.05.00255
Distributor	ASV SCPMi B-M8-6 2xS-M12-4	10.02.02.05602
Silencer (round)	SD 10.5x31.7 SCPM	10.02.02.05807
Exhaust air set	ABL-SET SCPMi/c/b	10.02.02.06080
Mounting set	SET SCPM MOUNT1	10.02.02.05805
Mounting bracket	BEF-WIN 15x50x36.1 1.5 SCPM	10.02.02.05824
Plug union, straight	STV-GE M5-AG 4	10.08.02.00468
Plug union, straight	STV-GE M7-AG 6	10.08.02.00469
Thread adapter (inst)	ADP-G M5-IG 10.8x6 SCPMi/c/b	10.02.02.05778
Thread adapter (inst)	ADP-G M5-IG 10.5x8.6 SCPMi/c/b	10.02.02.05643



Mini compact ejector

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Ordering Data Spare Parts 10.02.02.05745

Typ		Item number
Silencer insert (round)	SD-EINS 6.4x21.8 SCPMi/c/b	10.02.02.05403



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