

Art.-Nr.: 10.02.02.07506



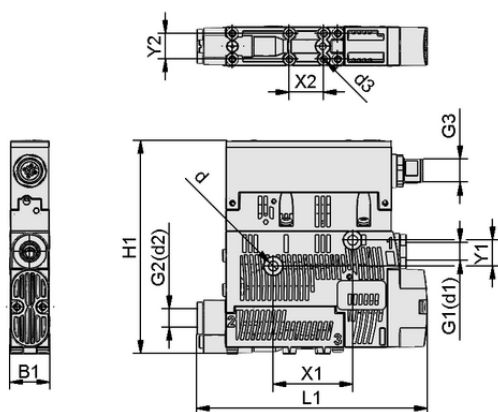
SCPSc 2-09 G02 NO M12-5 PNP

Technical data

Attribute	Value
Construction vacuum switch	PNP switching
Electrical connection	Male connect M12, 5 pol
Protection type IP	IP 65 (with plug)
Max. vacuum	-850 mbar
Air consumption suction	40.5 l/min
Suction rate (max.)	49.5 l/min
Connection	G1/8" (1)-G1/8" (2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Nozzle size	2-09
Control valve	Normally open
Operation mode	Digital air-saving function

Compact ejector SCP5 / SCPSc / SCPSi is delivered as a ready-to-connect product (without connection cable).

Available accessories: connection cable, distributor, DIN rail mount, filter, compressed air connection plate, mounting set, exhaust air set



Design data SCPSc 2-09 G02 NO M12-5 PNP

Design data

Attribute	Value
Length L1	106.00 mm
Width B1	18.60 mm
Height H1	99.00 mm
Internal diameter d	4.40 mm
Thread G1	G1/8"-F
Thread G2	G1/8"-F
Hole size d3	2.6 mm
Length L3	22.00 mm
Hole spacing Y1	12.0 mm
Hole spacing Y2	12.0 mm
Hole spacing X1	36.9 mm
Hole spacing X2	16.0 mm
Thread G3	M12x1-M



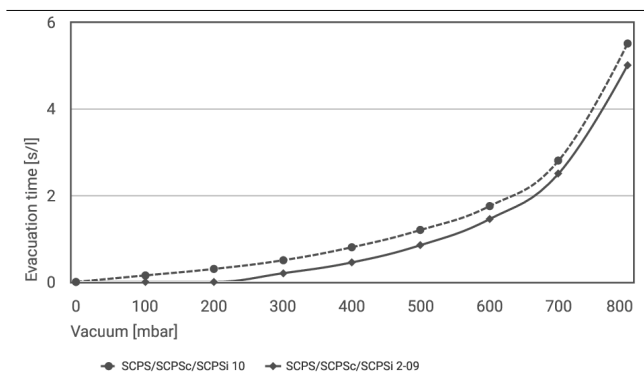
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**Technical data**

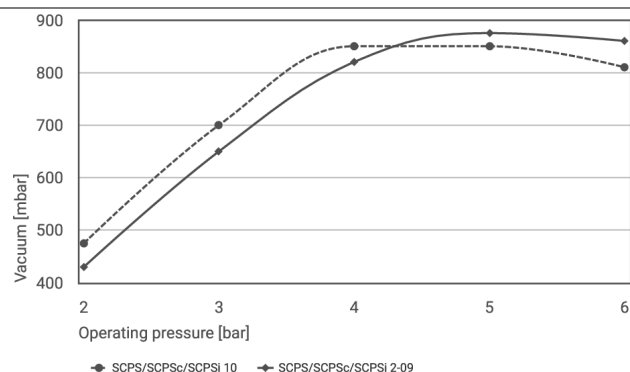
Attribute	Value
Recommended hose internal diameter compressed air	4.0 mm
Recommended hose internal diameter vacuum	4.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	62.0 dB(A)
Sound pressure level free	73.0 dB(A)
Weight	0.195 kg
Max. air consumption blow-off	120.0 l/min
Air consumption blow-off	4.237 cfm
Air consumption suction	1.430 cfm
Suction rate (max.)	1.748 cfm
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Operating temperature	0 ... 50 °C
Pressure range (operating pressure) [psi]	43.5 ... 87.0
Max. vacuum	-25.100 inHg
Product family	SCPSc
Nozzle size	2-09
Control valve	Normally open



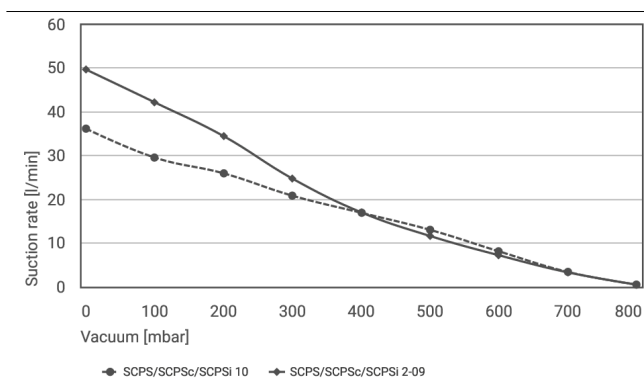
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**Performance data**

Evacuation time for various vacuum ranges [s/l]



Achievable vacuum at various operating pressures



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

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

	0	100	200	300	400	500	600	700	800
SCPSc/SCPSc/SCPSi 10	-	0.15	0.3	0.5	0.8	1.2	1.75	2.8	5.5
SCPSc/SCPSc/SCPSi 2-09	-	-	-	0.2	0.45	0.85	1.45	2.5	5



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**Achievable vacuum at various operating pressures**

	2	3	4	5	6	
SCPS/SCPSc/SCPSc 10	475	700	850	850	810	-
SCPS/SCPSc/SCPSc 2-09	430	650	820	875	860	-

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

	0	100	200	300	400	500	600	700	800
SCPS/SCPSc/SCPSc 10	36.1	29.5	25.9	20.8	16.9	13	8.1	3.4	0.5
SCPS/SCPSc/SCPSc 2-09	49.6	42.1	34.4	24.7	17.0	11.6	7.2	3.3	0.5

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.07506**Ordering Data Accessories 10.02.02.07506**

Typ		Item number
Connection cable	ASK B-M12-5 5000 K-5P	21.04.05.00080
Distributor	ASV SM/CPi B-M12-5 2xS-M12-4	10.02.02.03490
Vacuum filter (inline)	VFI CN6/4 50	10.07.01.00241
Vacuum filter (inline)	VFI CN8/6 50	10.07.01.00245
Mounting set	SET SCPS	10.02.02.04343
Exhaust air set	ABL-SET SCPS zweistufig	10.02.02.04667
Connection cable	ASK B-M12-5 1000 S-M12-5	21.04.05.00158
Connection cable	ASK B-M12-5 2000 S-M12-5	21.04.05.00211
Compressed-air connection plate	GP 3 SCPS 07..15 G2	10.02.02.04884
Compressed-air connection plate	GP 4 SCPS 07..15 G2	10.02.02.04338
Compressed-air connection plate	GP 5 SCPS 07..15 G2	10.02.02.04858
Compressed-air connection plate	GP 6 SCPS 07..15 G2	10.02.02.04837
Compressed-air connection plate	GP 8 SCPS 07..15 G2	10.02.02.04937
Top-hat rail clamp comp.	HUT-SN-KL 75x18x9 SCPS	10.02.02.04149
Vacuum filter (inline)	VFI 6/4 50	10.07.01.00328

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Compact ejector

SCPSc 2-09 G02 NO M12-5 PNP



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Ordering Data Spare Parts 10.02.02.07506

Typ		Item number
Set of wearing parts ejector	VST SCPSc-zw-stuf-SD	10.02.02.04738



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