

Art.-Nr.: 10.02.02.04114



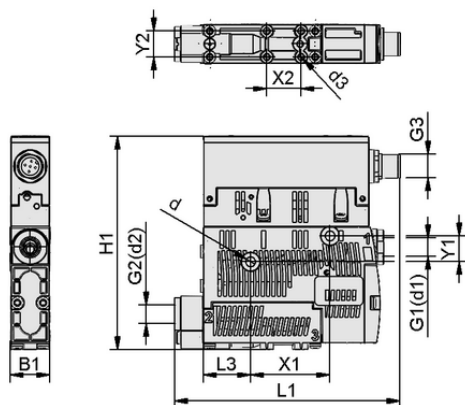
SCPS 10 G02 NC M12-5 PNP

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	46.0 l/min
Suction rate (max.)	36.0 l/min
Connection	G1/8" (1)-G1/8" (2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Nozzle size	10
Control valve	Normally closed

Compact ejector SCPS / 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 SCPS 10 G02 NC M12-5 PNP

Design data

Attribute	Value
Length L1	105.00 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



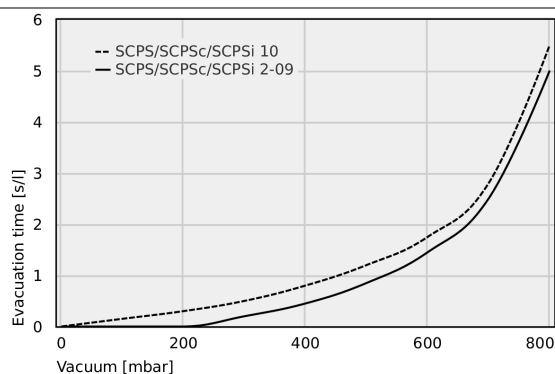
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**Technical data**

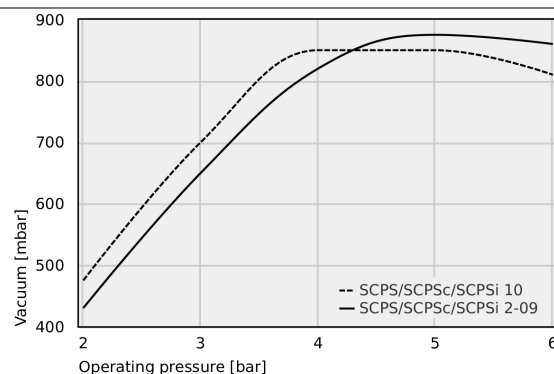
Attribute	Value
Recommended hose internal diameter compressed air	4.0 mm
Recommended hose internal diameter vacuum	4.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	61.0 dB(A)
Sound pressure level free	75.0 dB(A)
Weight	0.195 kg
Max. air consumption blow-off	120.0 l/min
Air consumption blow-off	4.237 cfm
Air consumption suction	1.624 cfm
Suction rate (max.)	1.271 cfm
Pressure range (operating pressure) [bar]	43.5 ... 87.0
Operating temperature	0 ... 50 °C
Max. vacuum	-25.100 inHg
Product family	SCPS
Nozzle size	10
Control valve	Normally closed



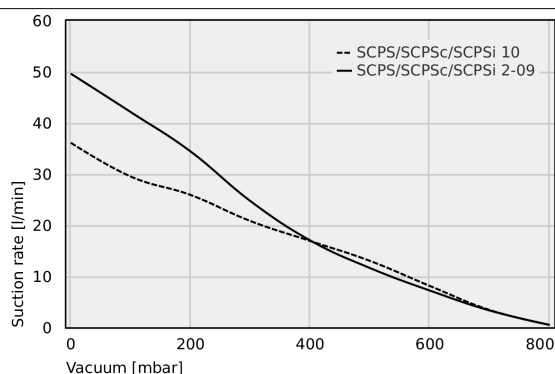
Art.-Nr.: 10.02.02.04114

**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
SCPS/SCPSc/SCPSi 10	-	0.15	0.3	0.5	0.8	1.2	1.75	2.8	5.5
SCPS/SCPSc/SCPSi 2-09	-	-	-	0.2	0.45	0.85	1.45	2.5	5



Art.-Nr.: 10.02.02.04114

**Achievable vacuum at various operating pressures**

	2	3	4	5	6	
SCPS/SCPSc/SCPSi 10	475	700	850	850	810	-
SCPS/SCPSc/SCPSi 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/SCPSi 10	36.1	29.5	25.9	20.8	16.9	13	8.1	3.4	0.5
SCPS/SCPSc/SCPSi 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/10.02.02.04114**Ordering Data Accessories 10.02.02.04114**

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 einstufig	10.02.02.04216
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
Vacuum cup filter	VFT G1/8-IG 80	10.07.01.00116

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Compact ejector

SCPS 10 G02 NC M12-5 PNP



Art.-Nr.: 10.02.02.04114



Ordering Data Spare Parts 10.02.02.04114

Typ		Item number
Silencer insert (round)	SD-EINS 15x16.5 SD	10.02.02.04141
Sieve, round	SIEB 11x2 X-5 0.415/0.22	10.02.02.04404
Set of parts subject to wear ejector	VST SCPS-einstuf-SD	10.02.02.04737



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