

Art.-Nr.: 10.02.02.07397



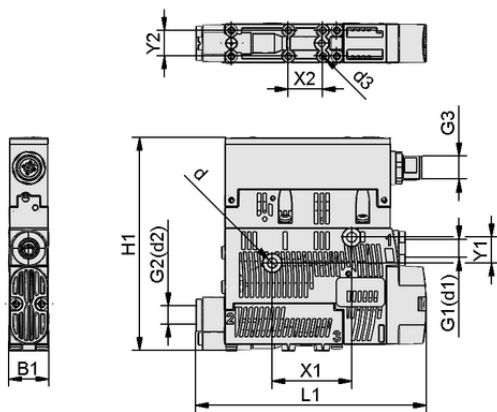
SCPSc BY 2-14 G02 NC M12-5 NPN

Technical data

Attribute	Value
Construction vacuum switch	NPN switching
Electrical connection	Male connect M12, 5 pol
Protection type IP	IP 65 (with plug)
Max. vacuum	-850 mbar
Air consumption suction	82.0 l/min
Suction rate (max.)	71.5 l/min
Connection	G1/8" (1)-G1/8" (2)
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Shape	Battery
Nozzle size	2-14
Control valve	Normally closed
Operation mode	Digital air-saving function

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 SCPSc BY 2-14 G02 NC M12-5 NPN

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



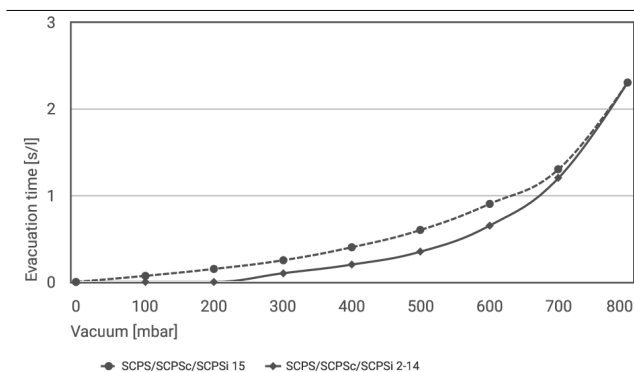
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**Technical data**

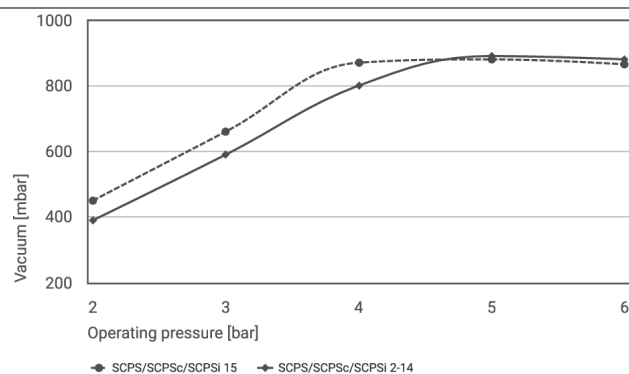
Attribute	Value
Recommended hose internal diameter compressed air	4.0 mm
Recommended hose internal diameter vacuum	6.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	70.0 dB(A)
Sound pressure level free	75.0 dB(A)
Weight	0.195 kg
Max. air consumption blow-off	120.0 l/min
Air consumption blow-off	4.237 cfm
Air consumption suction	2.895 cfm
Suction rate (max.)	2.524 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
Shape	Battery
Product family	SCPSc
Nozzle size	2-14
Control valve	Normally closed



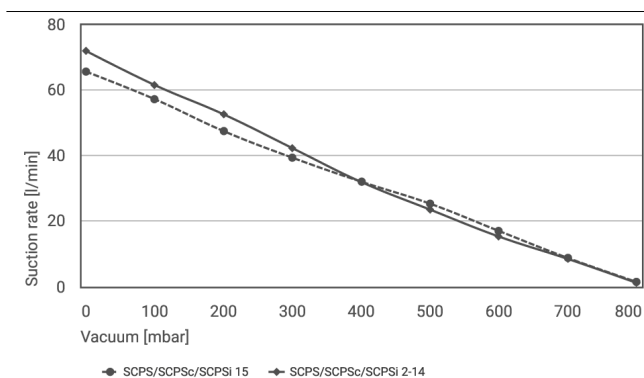
Art.-Nr.: 10.02.02.07397

**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 15	-	0.07	0.15	0.25	0.4	0.6	0.9	1.3	2.3
SCPS/SCPSc/SCPSi 2-14	-	-	-	0.1	0.2	0.35	0.65	1.2	2.3



Art.-Nr.: 10.02.02.07397

**Achievable vacuum at various operating pressures**

	2	3	4	5	6
SCPS/SCPSc/SCPSc 15	450	660	870	880	865
SCPS/SCPSc/SCPSc 2-14	390	590	800	890	880

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

	0	100	200	300	400	500	600	700	800
SCPS/SCPSc/SCPSc 15	65.5	57.1	47.4	39.3	32	25.3	17	8.8	1.5
SCPS/SCPSc/SCPSc 2-14	71.8	61.4	52.5	42.2	31.9	23.5	15.3	8.5	1.2

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.07397**Ordering Data Accessories 10.02.02.07397**

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

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Compact ejector

SCPSc BY 2-14 G02 NC M12-5 NPN



Art.-Nr.: 10.02.02.07397



Ordering Data Spare Parts 10.02.02.07397

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 wearing parts ejector	VST SCPSc-zw-stuf-SD	10.02.02.04738



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