

Art.-Nr.: 10.02.02.07022



Technical data

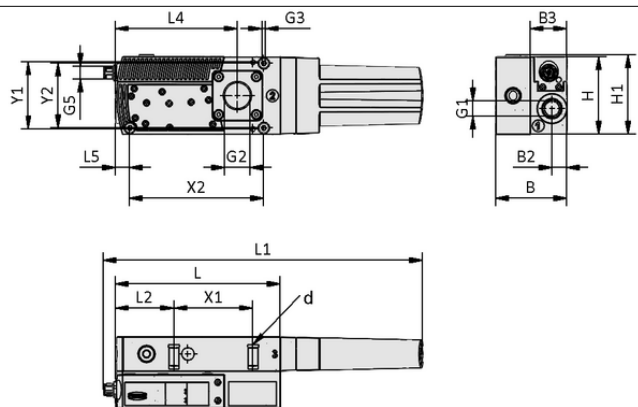
Attribute	Value
Shape compact ejectors	SA
Construction vacuum switch	PNP switching
Electrical connection	Male connect M12, 5 pol
Size	50.00
Thread G1	G3/8"-F
Thread G2	G3/4"-F
Shape	High vacuum
Control valve	Normally closed

SCPLb 50 HV G SA NC PNP E14

The compact ejector SCPLb / SCPLc, available in various configuration levels, is supplied as a product ready to connect.

Available spare parts: silencer, nozzle SEP, filter screen

Available accessories: retrofit kit, mounting bracket, vacuum hose, hose sleeve, connection cable, vacuum monitoring, silencer, collective exhaust air duct



Design data

Attribute	Value
Length L2	54.50 mm
Length L	153.50 mm
Width B2	13.80 mm
Width B	66.00 mm
Height H1	74.00 mm
Height H	72.00 mm
Internal diameter d	5.50 mm
Thread G1	G3/8"-F
Thread G2	G3/4"-F
Length L4	113.50 mm

Design data SCPLb 50 HV G SA NC PNP E14



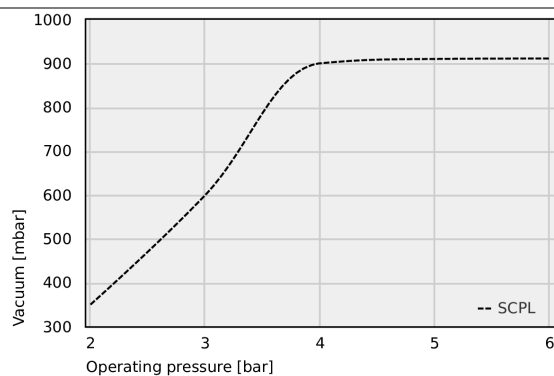
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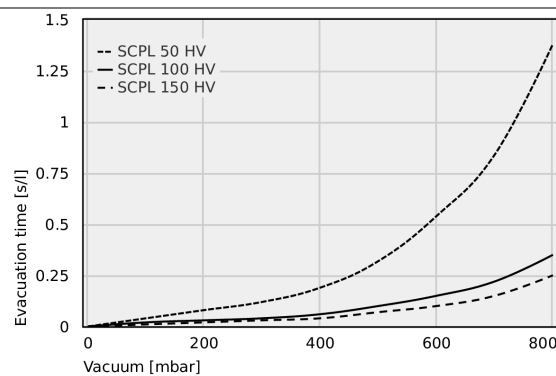
Attribute	Value
Protection type IP	IP 54
Max. vacuum	900 mbar
Sound pressure level suction	59.0 dB(A)
Sound pressure level free	66.0 dB(A)
Weight	850.0 g
Max. air consumption blow-off	124.0 l/min
Air consumption blow-off	7.400 m ³ /h
Air consumption suction	12.600 m ³ /h
Suction rate (max.)	30.600 m ³ /h
Size	50.00
Optimal operating pressure	4.50 bar
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Operating temperature	0 ... 55 °C



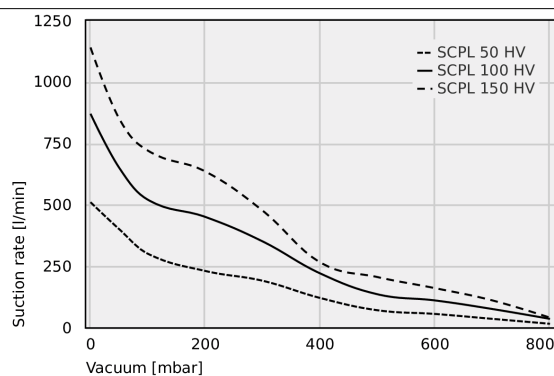
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**Performance data**

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**

	2	3	4	5	6
SCPL	350.00	600.00	900.00	910.00	911.00



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

	0	100	200	300	400	500	600	700	800
SCPL 50 HV	-	0.04	0.08	0.12	0.19	0.32	0.54	0.84	1.38
SCPL 100 HV	-	0.02	0.03	0.04	0.06	0.10	0.15	0.22	0.35
SCPL 150 HV	-	0.01	0.02	0.03	0.04	0.07	0.10	0.15	0.25

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

	0	50	100	200	300	400	500	600	700	800
SCPL 50 HV	510	400	300	230	190	120	70	55	35	15
SCPL 100 HV	870	650	520	450	350	220	135	110	75	35
SCPL 150 HV	1140	850	720	635	475	265	205	160	110	40

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.07022**Ordering Data Accessories 10.02.02.07022**

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
Mouting bracket (inst.)	BEF-WIN 72x25x77 SBPL/SCPL	10.02.01.01705
Exhaust air set	ABL-SET SBPL/SCPL M	10.02.01.01939
Exhaust air set	ABL-SET SBPL/SCPL L	10.02.01.01940
Hose sleeve	ST 25 AL-EL	10.02.01.01680
Vacuum cup filter	VFT G3/4-IG 80	10.07.01.00128
Vacuum gauge	VAM 40 V DR BAR	10.07.02.00035
Vacuum gauge (electronic)	VAM-D 30x30 VP10 G1/8-AG	10.07.02.00055



Compact ejector

SCPLb 50 HV G SA NC PNP E14



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Ordering Data Spare Parts 10.02.02.07022

Typ		Item number
Ejector module	SEP HV 3 16 22	10.02.01.01397
Set of spare parts	ERS SEP-22 6xRUE-KLAP	10.02.01.01450
Spare part (Ejector)	ERS VENT SCPLb/c	10.02.02.07698
Silencer (cube-shaped-inst.)	SD 102x71x33 SBPL/SCPL	10.02.01.01585
Sealing frame	DI-RA 112.5x34.8 NBR-55 SBPL/SCPL	10.02.01.01541
O-ring	O-RING 10x2.5 NBR-70	10.07.08.00002
Sieve, round	SIEB 36.2x0.2 A2 400 0.4/0.22	10.02.02.07119



WWW.SCHMALZ.COM/10.02.02.07022