



SCPLc 50 HF G FA NO NPN

Technical data

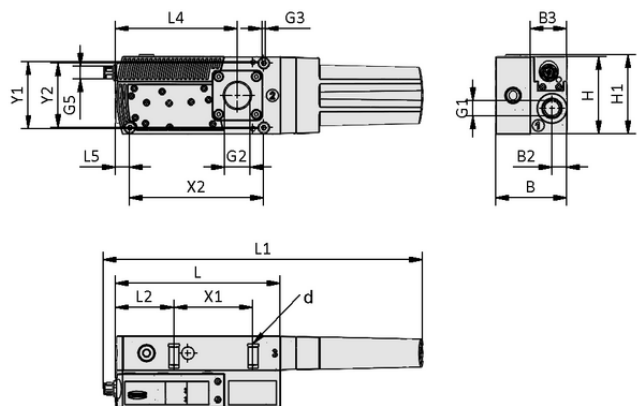
Attribute	Value
Construction vacuum switch	NPN switching
Electrical connection	Male connect M12, 5 pol
Degree of evacuation	70.0 %
Air consumption suction	210.0 l/min
Suction rate (max.)	550.0 l/min
Size	50.00
Thread G1	G3/8"-F
Shape compact ejectors	Flange version with axial exhaust air
Shape	High flow
Control valve	Normally open

The compact ejector SCPLb / SCPLc / SCPLi, available in various configurations, is delivered as a ready-to-connect product.

Available spare parts: silencer, SEP nozzle, filter screen

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

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Design data

Attribute	Value
Length L1	297.00 mm
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
Shape compact ejectors	Flange version with axial exhaust air
Length L4	113.50 mm
Width B3	34.00 mm
Hole spacing Y1	62.0 mm
Hole spacing Y2	60.0 mm
Hole spacing X1	73.5 mm
Hole spacing X2	124.5 mm
Length L5	13.50 mm
Thread G3	M4-F
Thread G5	M12x1-M

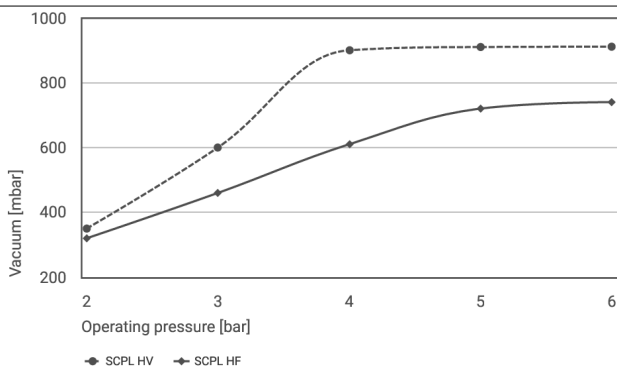
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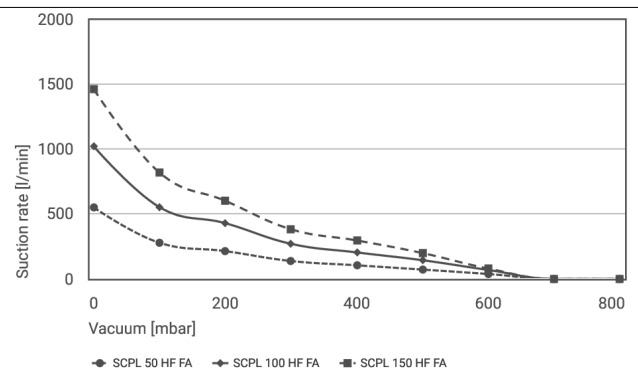
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**Technical data**

Attribute	Value
Construction vacuum switch	NPN switching
Electrical connection	Male connect M12, 5 pol
Protection type IP	IP 54
Nozzle size	1.6 mm (three-stage)
Recommended hose internal diameter compressed air	6.0 mm
Recommended hose internal diameter vacuum	25.0 mm
Degree of evacuation	70.0 %
Max. vacuum	700 mbar
Sound pressure level suction	59.0 dB(A)
Sound pressure level free	66.0 dB(A)
Weight	1,026.00 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.)	33.000 m ³ /h
Optimal operating pressure	4.50 bar
Pressure range (operating pressure) [bar]	3.0 - 6.0 bar
Operating temperature	0 ... 55 °C
Control valve	Normally open

**Performance data**

Achievable vacuum at various operating pressures



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**Achievable vacuum at various operating pressures**

	2	3	4	5	6
SCPL HV	350.00	600.00	900.00	910.00	911.00
SCPL HF	320.00	460.00	610.00	720.00	740.00



	0	100	200	300	400	500	600	700	800
SCPL 50 HF FA	550.00	278.00	214.00	138.00	105.00	72.00	38.00	-	-
SCPL 100 HF FA	1020.00	552.00	429.00	270.00	204.00	144.00	69.00	-	-
SCPL 150 HF FA	1460.00	818.00	601.00	382.00	296.00	199.00	80.00	-	-

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.07692**Ordering Data Accessories 10.02.02.07692**

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
Retrofitting kit	SET SBPL/SCPL 75/100	10.02.01.01685



Compact ejector

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Ordering Data Spare Parts 10.02.02.07692

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



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