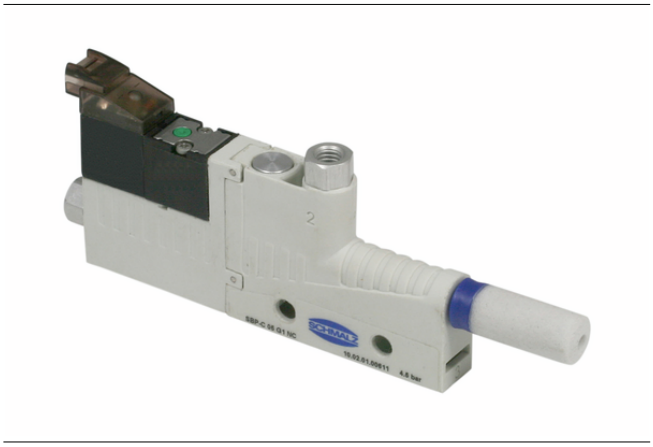
Basic Ejector

SBP-C 07 G01 NC

Art.-Nr.: 10.02.01.00612



SBP-C 07 G01 NC

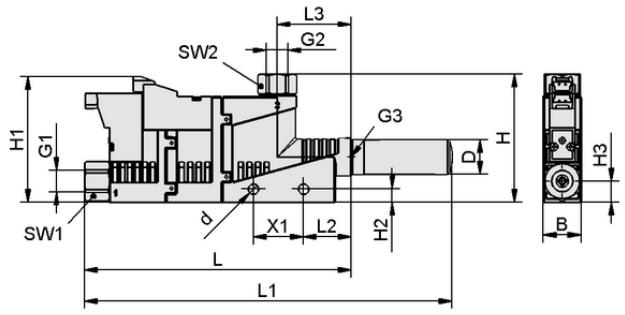
Technical data

Attribute	Value
Nozzle diameter	0.7 mm
Degree of evacuation	85.0 %
Air consumption suction	24.0 l/min
Suction rate (max.)	16.0 l/min
Optimal operating pressure	5.40 bar
Connection	M5(1)-M5(2)
Control valve	Normally closed

The basic ejector SBP-C is delivered as a ready-to-connect product (without connection cable).

Available spare parts: silencer

Available accessories: mounting plate, mounting set, connection cable



Design data SBP-C 07 G01 NC

Design data

Attribute	Value
Length L1	105.00 mm
Length L2	12.50 mm
Length L	81.00 mm
Width B	10.00 mm
Height H1	39.00 mm
Height H2	5.20 mm
Height H	37.00 mm
Outside diameter D	9.00 mm
Internal diameter d	4.20 mm
Thread G1	M5-F

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Technical data

Attribute	Value
Nozzle diameter	0.7 mm
Recommended hose internal diameter compressed air	2.0 mm
Recommended hose internal diameter vacuum	2.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	59.0 dB(A)
Sound pressure level free	65.0 dB(A)
Weight	27.5 g
Air consumption suction	0.847 cfm
Suction rate (max.)	0.565 cfm
Optimal operating pressure	5.40 bar
Pressure range (operating pressure) [bar]	43.5 ... 87.0
Operating temperature	0 ... 50 °C
Optimal pressure	78.3 psi
Product family	SBP-C

Note: The supply voltage for vacuum switches and solenoid valves is 24 VDC Air consumption: On version with solenoid valves SBP-C 07 (24) / SBP-C 25 (320) and optimal operating pressure Hose diameter: For max. length 2 m

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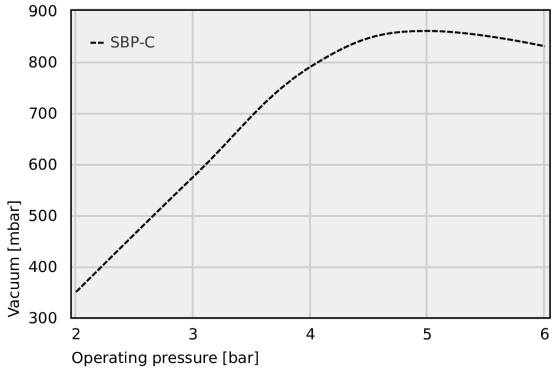
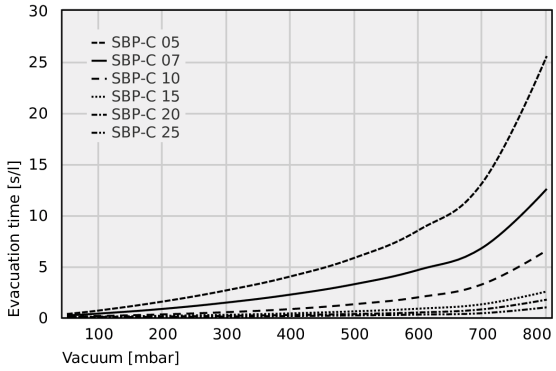
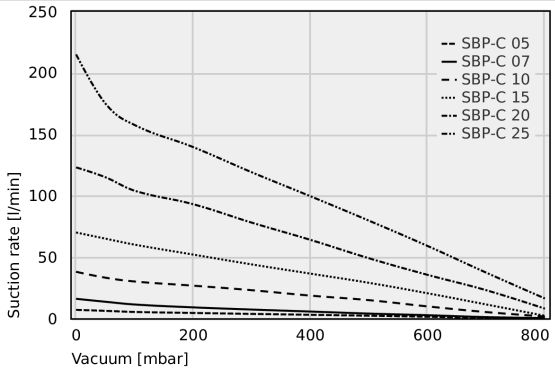
Performance data



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
SBP-C	350.00	575.00	790.00	860.00	830.00

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Evacuation time for various vacuum ranges [s/l]

	50	100	200	300	400	500	600	700	800
SBP-C 05	0.34	0.68	1.56	2.66	4.02	5.84	8.54	13.22	25.54
SBP-C 07	0.20	0.38	0.84	1.46	2.24	3.26	4.66	6.84	12.56
SBP-C 10	0.06	0.14	0.30	0.52	0.82	1.30	1.98	3.26	6.56
SBP-C 15	0.05	0.08	0.16	0.26	0.40	0.60	0.86	1.30	2.54
SBP-C 20	0.03	0.05	0.09	0.16	0.24	0.34	0.49	0.80	1.74
SBP-C 25	0.02	0.03	0.06	0.09	0.14	0.20	0.28	0.42	0.99

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

	0	50	100	200	300	400	500	600	700	800
SBP-C 05	7.00	6.20	5.30	4.50	3.70	3.00	2.20	1.40	0.40	0.10
SBP-C 07	16.00	13.60	11.37	9.03	7.25	5.63	3.97	2.65	1.10	0.30
SBP-C 10	38.00	33.20	30.10	26.70	23.00	18.60	14.90	9.80	5.20	1.61
SBP-C 15	70.00	65.00	60.10	52.00	44.00	36.50	29.00	20.50	11.40	2.18
SBP-C 20	123.00	115.00	104.00	93.00	78.00	64.00	49.00	35.50	23.00	8.00
SBP-C 25	215.00	175.00	157.50	139.50	119.00	99.50	79.60	59.00	37.30	16.30

Further documentation

CAD data and other documents relating to the article can be found at: **www.schmalz.com/10.02.01.00612**

Ordering Data Accessories 10.02.01.00612

Typ		Item number
Mounting plate	BEF-PL 110x44.5x3 SBP	10.02.01.00511
Mounting set	SET SBP M4-IG	10.02.01.00769
Connection cable	ASK B-MIC10 3000 K-2P	21.04.06.00086
Vacuum filter (inline)	VFI CN6/4 50	10.07.01.00241
Vacuum filter (inline)	VFI 4/2 50	10.07.01.00329

Ordering Data Spare Parts 10.02.01.00612

Typ		Item number
Silencer (round)	SD M5-AG 9x24	10.02.01.00539

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