

Basic Ejector

SBP-C 05 G01 VS-T



Art.-Nr.: 10.02.01.00997



Technical data

Nozzle diameter	0.5 mm
Degree of evacuation	85.0 %
Air consumption suction	14.0 l/min
Suction rate (max.)	7.0 l/min
Optimal operating pressure	4.50 bar
Connection	M5(1)-M5(2)
Functionality of the ejector	electronic vacuum switch

SBP-C 05 G01 VS-T

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

Available spare parts: silencer

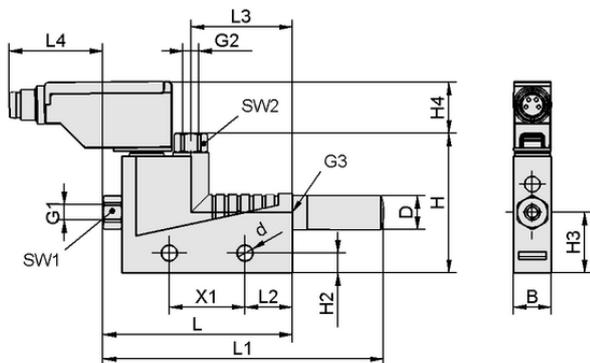
Available accessories: mounting plate, mounting set, connection cable



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**Design data**

Length L1	74.00 mm
Length L2	12.50 mm
Length L	50.00 mm
Width B	10.00 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
Thread G2	M5-F
Key width SW1	8.0 mm
Spanner size SW2	8.0 mm
Length L3	27.00 mm
Length L4	24.80 mm
Height H3	16.00 mm
Height H4	14.80 mm
Hole spacing X1	20.0 mm
Thread G3	M5-F

Design data SBP-C 05 G01 VS-T

**Technical data**

Nozzle diameter	0.5 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	53.0 dB(A)
Sound pressure level free	58.0 dB(A)
Weight	86.50 g
Air consumption suction	0.494 cfm
Suction rate (max.)	0.247 cfm
Optimal operating pressure	4.50 bar
Pressure range (operating pressure) [bar]	3.0 ... 6.0 bar
Operating temperature	0 ... 50 °C
Pressure range (operating pressure) [psi]	43.5 ... 87.0
Optimal pressure	65.2 psi
Product family	SBP-C

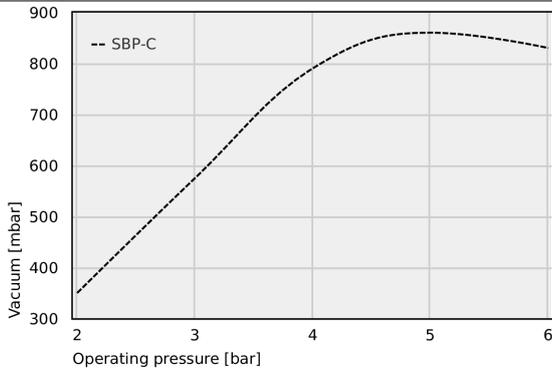
Note: The supply voltage for vacuum switches and solenoid valves is 24 VDC Air consumption: On version with solenoid valves SBP-C 07 (24) / SBP-C 25 (320) and optimal operating pressure Hose diameter: For max. length 2 m



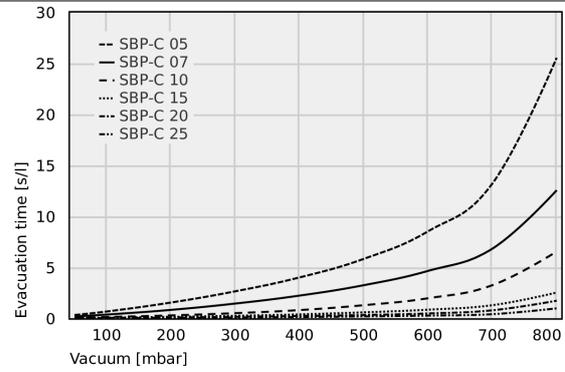
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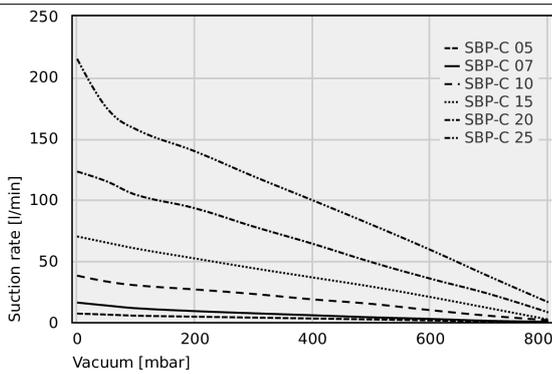
Performance data



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

**Ordering Data Accessories 10.02.01.00997**

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
Connection cable	ASK B-M8-4 5000 K-4P	10.06.02.00031
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 10.02.01.00997**

Typ		Item number
Silencer (round)	SD M5-AG 9x24	10.02.01.00539
Vacuum/pressure switch teachfunction	VS-V-AH-T-PNP M8-4 S	10.06.02.00294

