

Art.-Nr.: 10.02.01.00599

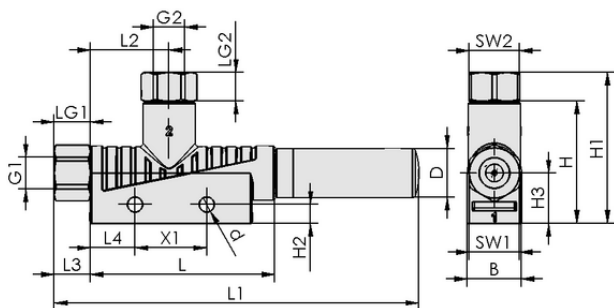


SBP 05 G01 SDA

The basic ejector SBP is delivered as a ready-to-connect product.

Available spare parts: silencer

Available accessories: mounting plate, mounting set



Design data SBP 05 G01 SDA

Technical data

Attribute	Value
Nozzle diameter	0.5 mm
Degree of evacuation	85.0 %
Air consumption suction	13.5 l/min
Suction rate (max.)	8.0 l/min
Additional function ejector	Silencer axial
Optimal operating pressure	4.50 bar
Connection	M5(1)-M5(2)

Design data

Attribute	Value
Length L1	74.00 mm
Length L2	18.00 mm
Length L	45.00 mm
Width B	10.00 mm
Height H1	31.00 mm
Height H2	5.20 mm
Height H	26.00 mm
Outside diameter D	9.00 mm
Internal diameter d	4.20 mm
Thread G1	M5-F

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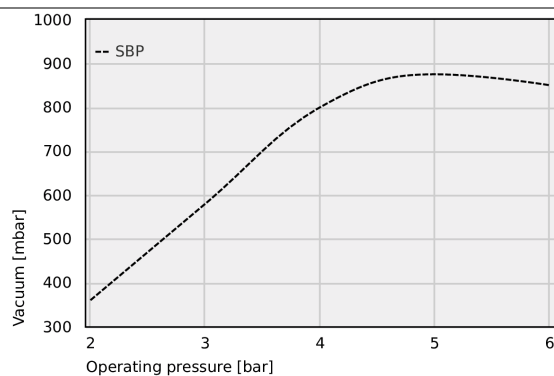
**Technical data**

Attribute	Value
Nozzle diameter	0.5 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	7.5 g
Air consumption suction	0.476 cfm
Suction rate (max.)	0.282 cfm
Optimal operating pressure	4.50 bar
Pressure range (operating pressure) [bar]	43.5 ... 87.0
Operating temperature	0 ... 60 °C
Product family	SBP

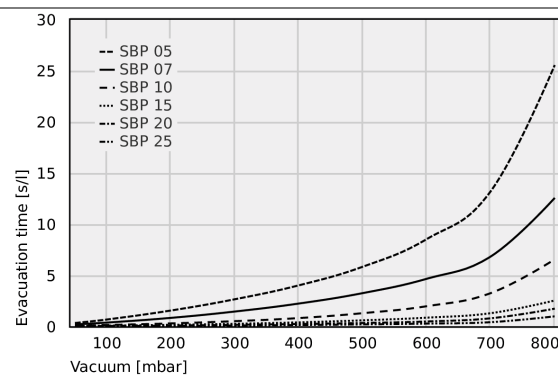
Note: Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m



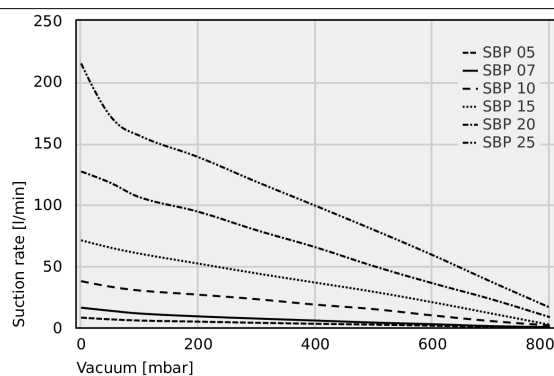
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**Performance data**

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	360.00	580.00	800.00	875.00	850.00



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

	50	100	200	300	400	500	600	700	800
SBP 05	0.34	0.68	1.56	2.66	4.02	5.84	8.54	13.22	25.54
SBP 07	0.20	0.38	0.84	1.46	2.24	3.26	4.66	6.84	12.56
SBP 10	0.06	0.14	0.30	0.52	0.82	1.30	1.98	3.26	6.56
SBP 15	0.05	0.08	0.16	0.26	0.40	0.60	0.86	1.30	2.54
SBP 20	0.03	0.05	0.09	0.16	0.24	0.34	0.49	0.80	1.74
SBP 25	0.03	0.04	0.07	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 05	8.00	6.62	5.64	4.74	3.81	3.01	2.28	1.42	0.40	0.10
SBP 07	16.10	13.60	11.37	9.03	7.25	5.63	3.97	2.65	1.10	0.30
SBP 10	37.70	33.20	30.10	26.70	23.00	18.60	14.90	9.80	5.20	1.61
SBP 15	71.00	65.00	60.10	52.00	44.00	36.50	29.00	20.50	11.40	2.18
SBP 20	127.00	117.80	106.00	94.20	79.10	65.30	49.87	35.99	23.00	8.36
SBP 25	215.00	172.00	156.10	138.70	118.50	99.10	79.36	58.90	37.24	16.24

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.00599**Ordering Data Accessories 10.02.01.00599**

Typ		Item number
Mounting plate	BEF-PL 110x44.5x3 SBP	10.02.01.00511
Mounting set	SET SBP M4-IG	10.02.01.00769
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 10.02.01.00599**

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

WWW.SCHMALZ.COM/10.02.01.00599