

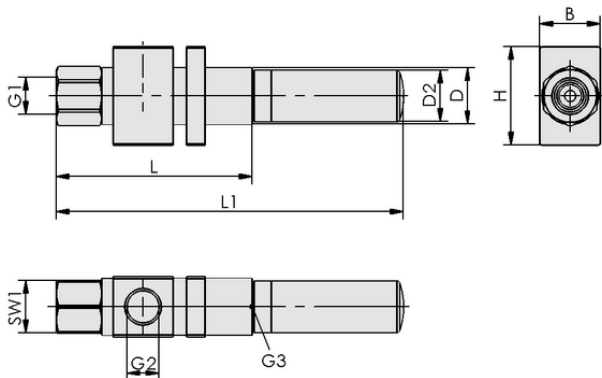
Technical data

Attribute	Value
Nozzle diameter	0.7 mm
Air consumption suction	21.0 l/min
Suction rate (max.)	14.0 l/min
Additional function ejector	Silencer axial
Shape	For high vacuum

SEG 07 HS SDA

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

Available spare parts: silencer



Design data

Attribute	Value
Length L1	92.00 mm
Length L	52.00 mm
Width B	16.00 mm
Height H	26.00 mm
Outside diameter D2	15.0 mm
Outside diameter D	15.00 mm
Thread G1	G1/8"-F
Thread G2	G1/8"-F
Key width SW1	14.0 mm
Thread G3	G1/8"-F

Design data SEG 07 HS SDA

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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	4.0 mm
Degree of evacuation	85.0 %
Sound pressure level suction	68.0 dB(A)
Sound pressure level free	75.0 dB(A)
Weight	45.0 g
Air consumption suction	0.741 cfm
Suction rate (max.)	0.494 cfm
Optimal operating pressure	5.00 bar
Pressure range (operating pressure) [bar]	43.5 ... 87.0
Operating temperature	-10 ... 80 °C
Optimal pressure	72.5 psi
Product family	SEG

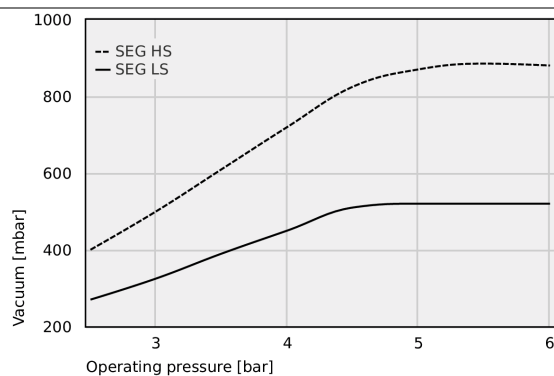
Note: Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m



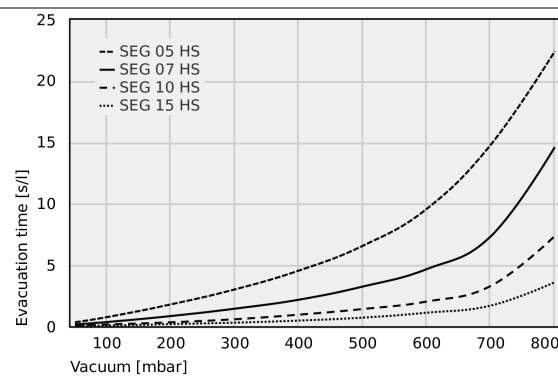
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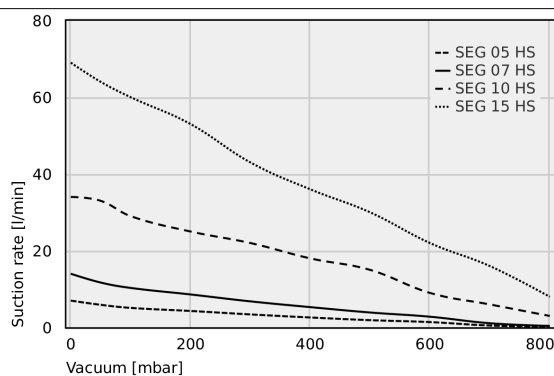
Performance data



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

	2.5	3	3.5	4	4.5	5	5.5	6
SEG HS	400.00	500.00	610.00	720.00	825.00	870.00	885.00	880.00
SEG LS	270.00	325.00	390.00	450.00	510.00	520	520	520



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

	50	100	200	300	400	500	600	700	800
SEG 05 HS	0.34	0.76	1.80	3.02	4.55	6.57	9.58	14.80	22.40
SEG 07 HS	0.17	0.36	0.85	1.45	2.18	3.25	4.67	7.34	14.60
SEG 10 HS	0.09	0.16	0.34	0.59	0.96	1.42	2.03	3.30	7.36
SEG 15 HS	0.05	0.07	0.19	0.31	0.48	0.72	1.12	1.70	3.60

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

	0	50	100	200	300	400	500	600	700	800
SEG 05 HS	7	5.9	5.1	4.3	3.4	2.6	1.9	1.4	0.5	0.2
SEG 07 HS	14	11.7	10.3	8.6	6.8	5.3	3.9	2.8	1.1	0.4
SEG 10 HS	34	33	29	25	22	18	15	9	6	3
SEG 15 HS	69	64	60	53	43	36	30	22	16	8

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.01.00110**Ordering Data Accessories 10.02.01.00110**

Typ		Item number
Vacuum filter (inline)	VFI CN6/4 50	10.07.01.00241
Vacuum filter (inline)	VFI 4/2 50	10.07.01.00329
Vacuum filter (inline)	VFI CN8/6 50	10.07.01.00245
Vacuum filter (inline)	VFI 6/4 50	10.07.01.00328
Vacuum/pressure switch cube shape	VS-V-W-D PNP K 3C-D	10.06.02.00678
Vacuum/pressure switch cube shape	VS-P10-W-D PNP K 3C-D	10.06.02.00680

**Ordering Data Spare Parts 10.02.01.00110**

Typ		Item number
Silencer (round)	SD G1/8-AG 14x40	10.02.01.00540

