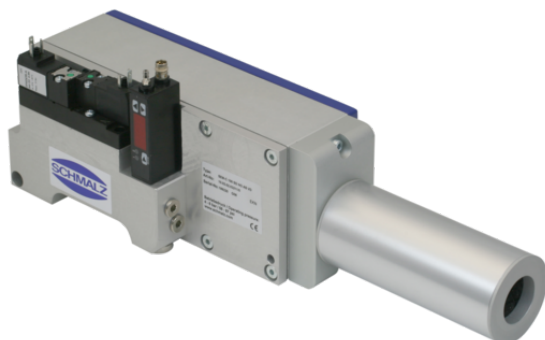


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**Technical data**

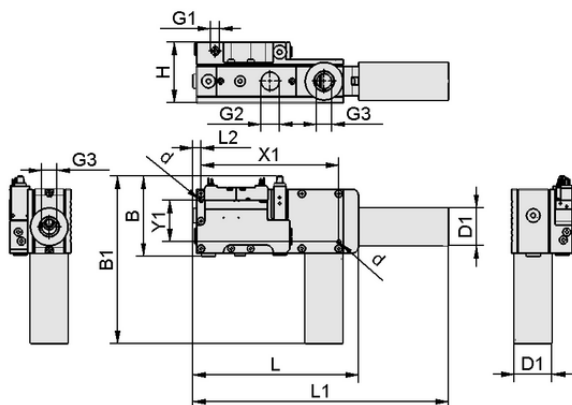
Attribute	Value
Max. vacuum	-800 mbar
Air consumption suction	246.0 l/min
Suction rate (max.)	673.0 l/min
Additional function ejector	Silencer axial
Size	100.00
Shape compact ejectors	With blow-off system
Control valve	Normally closed

SEM-C 100 SDA NC AS VD

Compact ejector SEM-C is delivered as a ready-to-connect product (without connection cable).

Available spare parts: silencer

Available accessories: connection cable, distributor



Design data SEM-C 100 SDA NC AS VD

Design data

Attribute	Value
Length L1	339.50 mm
Length L2	10.50 mm
Length L	219.50 mm
Width B1	232.00 mm
Width B	116.50 mm
Height H	90.00 mm
Outside diameter D1	50.0 mm
Internal diameter d	5.50 mm
Thread G1	G1/4"-F
Thread G2	G1"-F

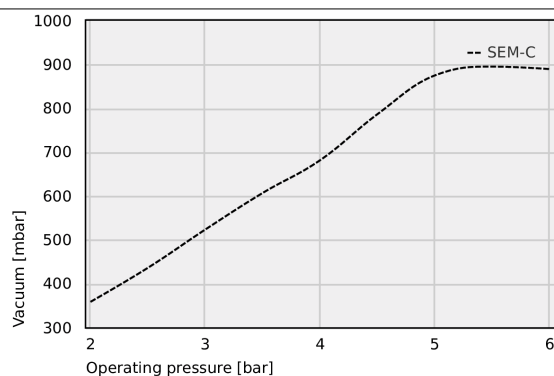


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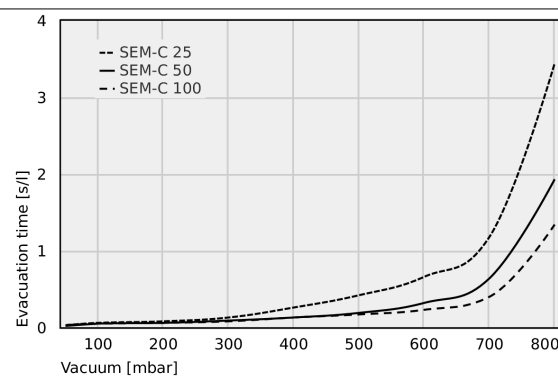
**Technical data**

Attribute	Value
Degree of evacuation	81.0 %
Weight	2.190 kg
Air consumption suction	246.0 l/min
Suction rate (max.)	673.0 l/min
Size	100.00
Operating temperature	0 ... 50 °C
Product family	SEM-C
Control valve	Normally closed

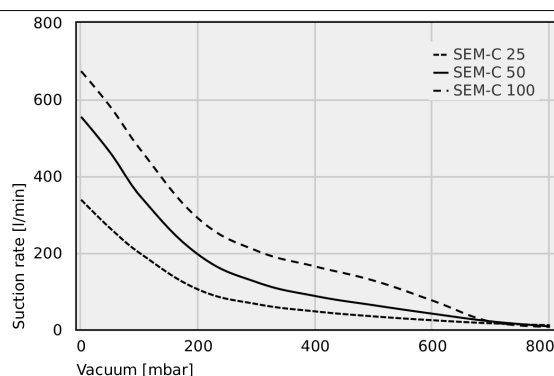
Note: Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m

**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]



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**Achievable vacuum at various operating pressures**

	2.00	2.50	3.00	3.50	4.00	4.50	5.00	5.50	6.00
SEM-C	358.46	436.12	523.46	606.88	681.59	786.74	874.91	894.79	889.12

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

	50	100	200	300	400	500	600	700	800
SEM-C 25	0.03	0.06	0.08	0.13	0.26	0.42	0.66	1.18	3.44
SEM-C 50	0.02	0.05	0.06	0.09	0.13	0.19	0.32	0.64	1.93
SEM-C 100	0.03	0.05	0.06	0.08	0.13	0.17	0.23	0.40	1.34

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

	0	50	100	200	300	400	500	600	700	800
SEM-C 25	338.00	263.00	199.00	104.00	66.00	47.00	34.00	24.00	16.00	11.00
SEM-C 50	554.00	460.00	349.00	195.00	123.00	87.00	63.00	41.00	21.00	8.00
SEM-C 100	673.00	580.00	471.00	289.00	205.00	164.00	127.00	75.00	20.00	7.00

**Further documentation**CAD data and other documents relating to the article can be found at: www.schmalz.com/10.02.02.03210**Ordering Data Accessories 10.02.02.03210**

Typ		Item number
Connection cable	ASK B-Form-C 5000 K-3P	21.04.06.00084
Connection cable	ASK B-M8-4 5000 K-4P	10.06.02.00031
Connection cable	ASK WB-M8-4 5000 K-4P	10.06.02.00032
Distributor	ASV SMP/SCP-20-30-NC 2xC/M8 K	10.02.02.01287

**Ordering Data Spare Parts 10.02.02.03210**

Typ		Item number
Silencer (round)	SD G3/4-AG 50x120 SEM	10.02.01.00312

