

**Technical data**

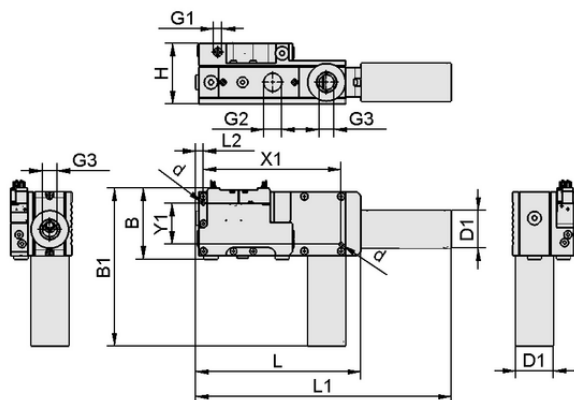
| Attribute                   | Value                |
|-----------------------------|----------------------|
| Max. vacuum                 | -850 mbar            |
| Air consumption suction     | 190.0 l/min          |
| Suction rate (max.)         | 554.0 l/min          |
| Additional function ejector | Silencer axial       |
| Size                        | 50.00                |
| Shape compact ejectors      | With blow-off system |
| Control valve               | Normally closed      |

SEM-C 50 SDA NC AS

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**

| Attribute           | Value     |
|---------------------|-----------|
| Length L1           | 339.50 mm |
| Length L2           | 10.50 mm  |
| Length L            | 219.50 mm |
| Width B1            | 210.00 mm |
| Width B             | 94.50 mm  |
| Height H            | 80.00 mm  |
| Outside diameter D1 | 50.0 mm   |
| Internal diameter d | 5.50 mm   |
| Thread G1           | G1/4"-F   |
| Thread G2           | G3/4"-F   |

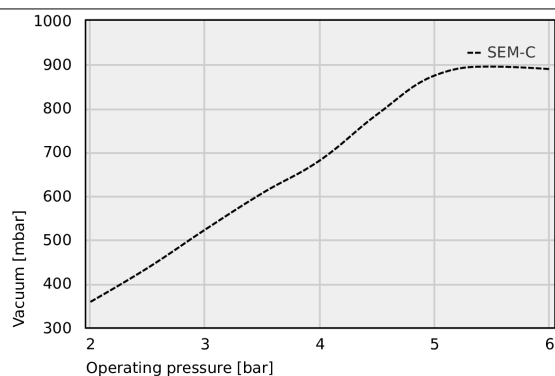
Design data SEM-C 50 SDA NC AS

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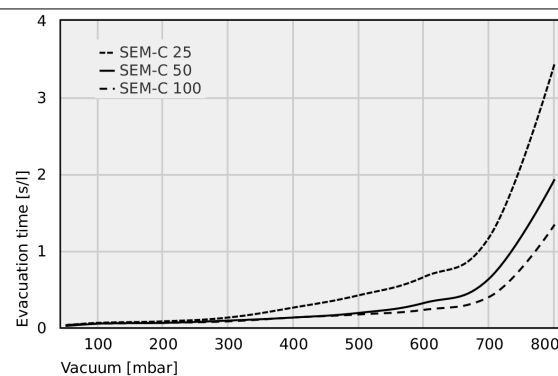
**Technical data**

| Attribute               | Value           |
|-------------------------|-----------------|
| Degree of evacuation    | 86.0 %          |
| Weight                  | 1.920 kg        |
| Air consumption suction | 190.0 l/min     |
| Suction rate (max.)     | 554.0 l/min     |
| Size                    | 50.00           |
| Operating temperature   | 0 ... 50 °C     |
| Product family          | SEM-C           |
| Control valve           | Normally closed |

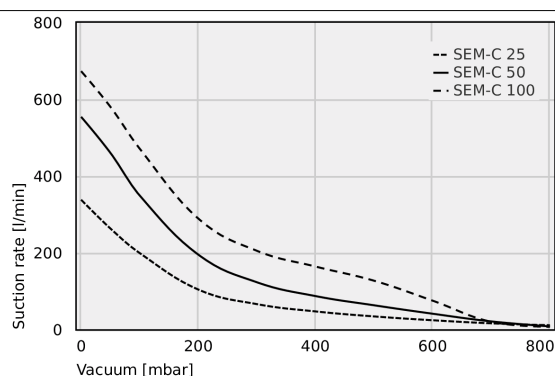
Note: Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m

**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/10.02.02.03207](http://www.schmalz.com/10.02.02.03207)**Ordering Data Accessories 10.02.02.03207**

| Typ              | Item number                              |
|------------------|------------------------------------------|
| Connection cable | ASK B-Form-C 5000 K-3P<br>21.04.06.00084 |

**Ordering Data Spare Parts 10.02.02.03207**

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

