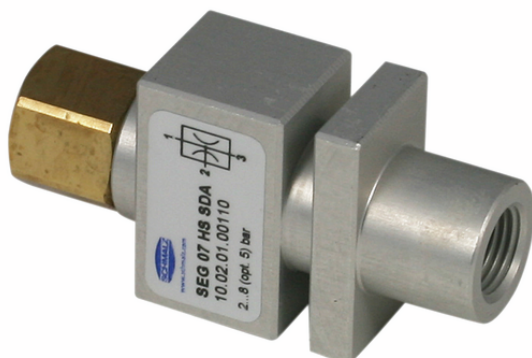


# Basic Ejector

## SEG 07 HS



Art.-Nr.: 10.02.01.00255



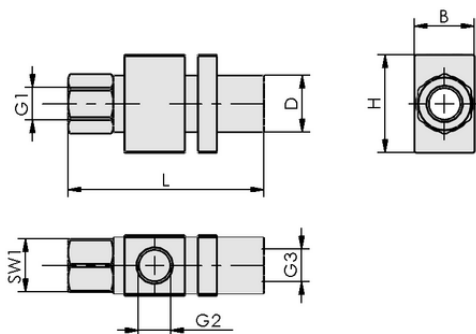
### Technical data

| Attribute               | Value           |
|-------------------------|-----------------|
| Nozzle diameter         | 0.7 mm          |
| Air consumption suction | 21.0 l/min      |
| Suction rate (max.)     | 14.0 l/min      |
| Shape                   | For high vacuum |

SEG 07 HS

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

Available spare parts: silencer



### Design data

| Attribute          | Value    |
|--------------------|----------|
| Length L           | 52.00 mm |
| Width B            | 16.00 mm |
| Height H           | 26.00 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



[WWW.SCHMALZ.COM/10.02.01.00255](http://WWW.SCHMALZ.COM/10.02.01.00255)

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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 %        |
| Weight                                            | 41.00 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           |

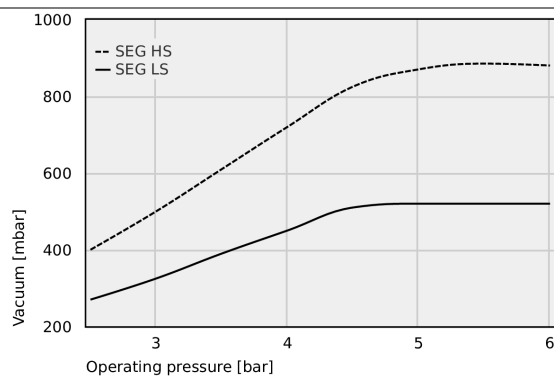
Note: Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m



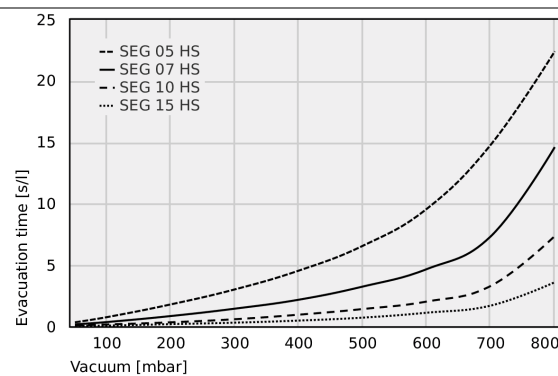
Art.-Nr.: 10.02.01.00255



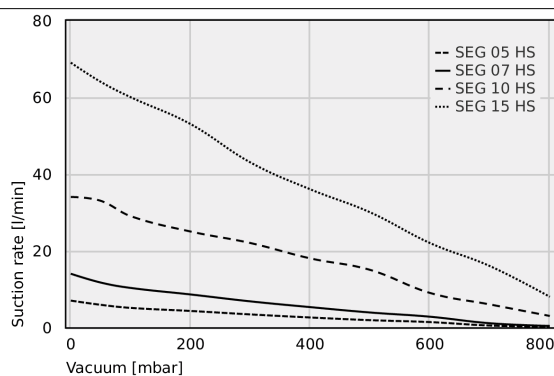
## Performance data



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/10.02.01.00255](http://www.schmalz.com/10.02.01.00255)**Ordering Data Accessories 10.02.01.00255**

| 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 |

