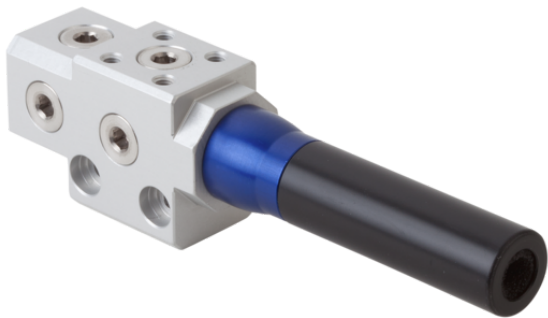
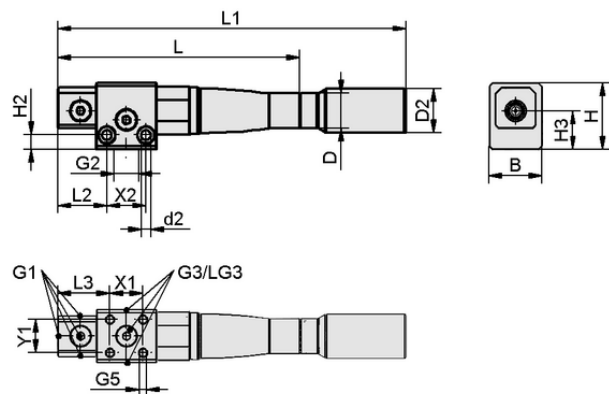


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SBP HV 2 07 13 S SD

The basic ejectors SBP-HV/HF is delivered as a ready-to-connect product.



Design data SBP HV 2 07 13 S SD

### Technical data

| Attribute                   | Value             |
|-----------------------------|-------------------|
| Nozzle diameter             | 0.7 mm            |
| Degree of evacuation        | 85.0 %            |
| Air consumption suction     | 23.5 l/min        |
| Suction rate (max.)         | 37.5 l/min        |
| Additional function ejector | Silencer          |
| Size                        | 13.00             |
| Optimal operating pressure  | 4.00 bar          |
| Number of stages            | 2                 |
| Shape compact ejectors      | With safety valve |
| Shape                       | High vacuum       |

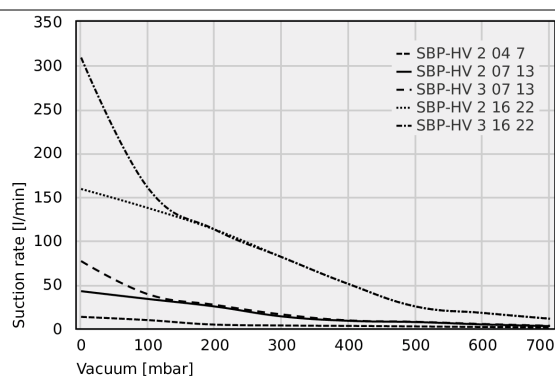
### Design data

| Attribute          | Value     |
|--------------------|-----------|
| Length L1          | 121.00 mm |
| Length L2          | 22.00 mm  |
| Length L           | 69.50 mm  |
| Width B            | 23.00 mm  |
| Height H2          | 8.50 mm   |
| Height H           | 33.00 mm  |
| Outside diameter D | 16.50 mm  |
| d2                 | 4.2 mm    |
| Thread G1          | G1/8"-F   |
| Thread G2          | G1/4"-F   |

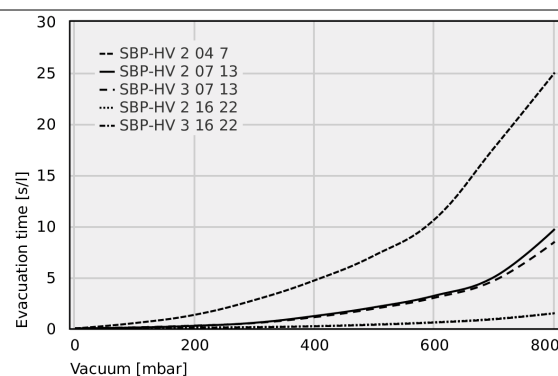
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**Technical data**

| Attribute                                         | Value         |
|---------------------------------------------------|---------------|
| Nozzle diameter                                   | 0.7 mm        |
| Recommended hose internal diameter compressed air | 4.0 mm        |
| Recommended hose internal diameter vacuum         | 6.0 mm        |
| Degree of evacuation                              | 85.0 %        |
| Sound pressure level suction                      | 57.0 dB(A)    |
| Sound pressure level free                         | 68.0 dB(A)    |
| Weight                                            | 90.9 g        |
| Air consumption suction                           | 0.829 cfm     |
| Suction rate (max.)                               | 1.324 cfm     |
| Optimal operating pressure                        | 4.00 bar      |
| Number of stages                                  | 2             |
| Pressure range (operating pressure) [bar]         | 29.0 ... 87.0 |
| Operating temperature                             | 0 ... 60 °C   |
| Optimal pressure                                  | 58.0 psi      |
| Product family                                    | SBP-HV-HF     |

**Performance data**

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



Evacuation time for various vacuum ranges [s/l]



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

|                | 0     | 100   | 200   | 300  | 400  | 500 | 600  | 700  |
|----------------|-------|-------|-------|------|------|-----|------|------|
| SBP-HV 2 04 7  | 13.2  | 9.5   | 4.4   | 3.4  | 2.9  | 2.3 | 1.7  | 1.2  |
| SBP-HV 2 07 13 | 42.5  | 33.6  | 25.0  | 13.7 | 8.7  | 7.3 | 4.6  | 2.7  |
| SBP-HV 3 07 13 | 76.8  | 39    | 26.9  | 16   | 9.2  | 7.6 | 5.1  | 3.1  |
| SBP-HV 2 16 22 | 159.0 | 137.3 | 112.6 | 81.2 | 50.5 | 25  | 17.7 | 11.1 |
| SBP-HV 3 16 22 | 308.8 | 160   | 112.6 | 81.2 | 50.5 | 25  | 17.7 | 11.1 |

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

|                | 0 | 100  | 200  | 300  | 400  | 500  | 600   | 700   | 800  |
|----------------|---|------|------|------|------|------|-------|-------|------|
| SBP-HV 2 04 7  | - | 0.53 | 1.34 | 2.79 | 4.71 | 7.16 | 10.68 | 17.73 | 25   |
| SBP-HV 2 07 13 | - | 0.09 | 0.26 | 0.56 | 1.22 | 2.08 | 3.21  | 5.06  | 9.71 |
| SBP-HV 3 07 13 | - | 0.11 | 0.28 | 0.53 | 1.11 | 1.94 | 3.01  | 4.71  | 8.47 |
| SBP-HV 2 16 22 | - | 0.06 | 0.09 | 0.14 | 0.23 | 0.4  | 0.61  | 0.94  | 1.49 |
| SBP-HV 3 16 22 | - | 0.04 | 0.08 | 0.12 | 0.21 | 0.36 | 0.58  | 0.90  | 1.49 |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.02.01.01731](http://www.schmalz.com/10.02.01.01731)**Ordering Data Accessories 10.02.01.01731**

| Typ                 |                           | Item number    |
|---------------------|---------------------------|----------------|
| Mounting set        | SET SFE 13                | 10.02.01.01579 |
| Mounting bracket    | BEF-WIN 36x40x27 5 SFE-13 | 10.08.03.00314 |
| Quick release valve | SEV G1/8-IG G1/4-AG       | 10.02.01.01471 |

**Ordering Data Spare Parts 10.02.01.01731**

| Typ                      |                     | Item number    |
|--------------------------|---------------------|----------------|
| Ejector module           | SEP HV 2 07 13 S    | 10.02.01.01406 |
| Schmalz Fixation Element | SFE 13 AL           | 10.02.01.01419 |
| Schmalz Holder Cap       | SHC 2 13            | 10.02.01.01496 |
| Silencer (round)         | SD 16.5x51.5 SHC 13 | 10.02.01.01498 |

