

## Basic ejector

### SBPL 125 HV

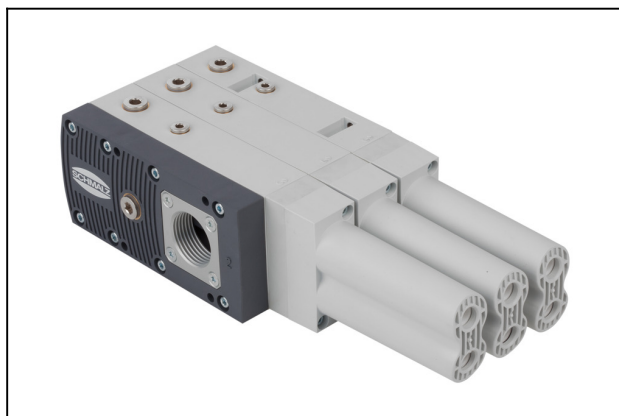
Part no.:10.02.01.01651

<https://www.schmalz.com/10.02.01.01651>



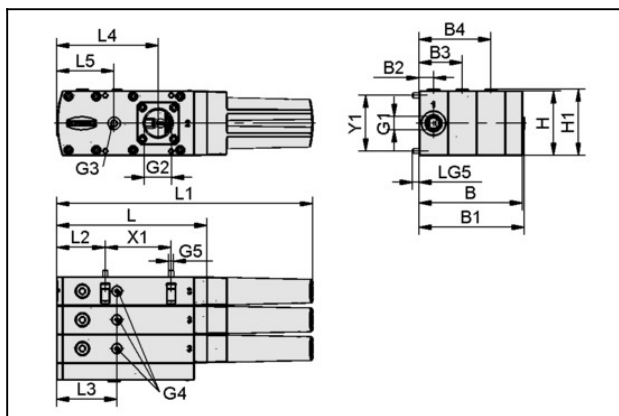
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Basic Ejectors > Basic Ejectors SBPL > SBPL 125 HV

### Basic ejector with maximum suction capacity



Size: 125  
Design: High vacuum  
Suction rate (max): 1010 l/min  
Air consumption (during evac.):  
470 l/min  
Weight: 1.5 kg

### Design Data



| Attribute | Value |
|-----------|-------|
|-----------|-------|

|   |        |
|---|--------|
| B | 115 mm |
|---|--------|

|    |        |
|----|--------|
| B1 | 117 mm |
|----|--------|

|    |       |
|----|-------|
| B2 | 16 mm |
|----|-------|

|    |       |
|----|-------|
| B3 | 48 mm |
|----|-------|

|    |       |
|----|-------|
| B4 | 80 mm |
|----|-------|

|    |          |
|----|----------|
| G1 | G3/8"-IG |
|----|----------|

|    |       |
|----|-------|
| G2 | G1"-F |
|----|-------|

|    |         |
|----|---------|
| G3 | G1/4"-F |
|----|---------|

|    |         |
|----|---------|
| G4 | G1/8"-F |
|----|---------|

|    |      |
|----|------|
| G5 | M5-M |
|----|------|

|   |       |
|---|-------|
| H | 72 mm |
|---|-------|

|    |       |
|----|-------|
| H1 | 74 mm |
|----|-------|

|   |          |
|---|----------|
| L | 167.5 mm |
|---|----------|

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| Attribute | Value    |
|-----------|----------|
| L1        | 285.3 mm |
| L2        | 54 mm    |
| L3        | 67 mm    |
| L4        | 113 mm   |
| L5        | 64 mm    |
| LG5       | 8.5 mm   |
| X1        | 73.5 mm  |
| Y1        | 62 mm    |

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## Technical Data

| Attribute                                     | Value           |
|-----------------------------------------------|-----------------|
| Size                                          | 125             |
| Degree of evacuation                          | 90 %            |
| Max. vacuum                                   | 900 mbar        |
| Suction rate (real)                           | 1,010 l/min     |
| Suction rate (theo)                           | 1,650 l/min     |
| Suction rate (real)                           | 60.6 m³/h       |
| Suction rate (theo)                           | 99 m³/h         |
| Air consumption suction                       | 470 l/min       |
| Air consumption suction                       | 29 m³/h         |
| Sound level free                              | 72 dB(A)        |
| Sound level suction                           | 65 dB(A)        |
| Pressure range (operating pressure)           | 2.0 ... 6.0 bar |
| Pressure range (operating pressure)           | 29.0...87.0     |
| Recomm. internal hose diameter compressed air | 11 mm           |

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| Attribute                             | Value       |
|---------------------------------------|-------------|
| Recomm. internal hose diameter vacuum | 32 mm       |
| Weight                                | 1.5 kg      |
| Operating temperature                 | 0 ... 60 °C |
| Max. vacuum                           | 26.577 inHg |

## Spare Parts



### SEP HV 3 16 22

Part no.10.02.01.01397

Multistagenozzle as a cartridge

Design: High vacuum

Number of stages: 3

Nozzle size: 1,6 mm

Hole diameter: 22 mm

Degree of evacuation: 90 %

Pressure range (operating pressure):

2.0 ... 6.0 bar

Pressure optimal: 4 bar

Suction rate (max): 308.8 l/min

Air consumption (during evac.):

103 l/min



### ERS-SET SEP-22 6xRUE-KLAP

Part no.10.02.01.01450

Set of spare parts

for: Ejector module

Size: 22

contains: 6x Non-return flap

## Accessories

### Contact to Schmalz

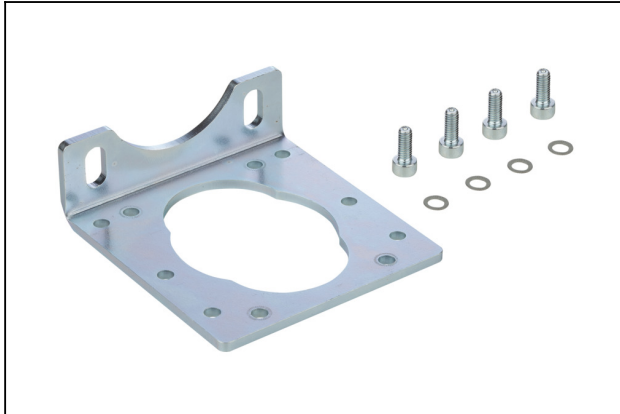
Schmalz Sp.z.o.o. | Kobaltowa 4, 62-002 Złotniki, Polen | +48 22 460 49 70 | [schmalz@schmalz.pl](mailto:schmalz@schmalz.pl)

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#### **BEF-WIN 72x25x77 SBPL**

Part no.10.02.01.01705

Mouting bracket (inst.)

Length L: 72 mm

Width B: 25 mm

Height H: 77 mm

for: Basic ejectors



#### **EMV 3 24V-DC 2/2 NC K-2P**

Part no.10.05.01.00366

Solenoid valve EMV for direct control of compressed air

Nominal size: 3 mm

Voltage: 24V - DC

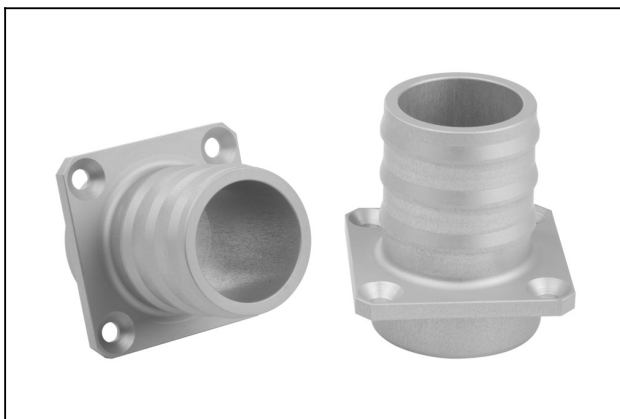
Function: 2/2-way valve

Control: Normally closed

Connecting thread: G1/4"-M

contains: Cable 2

Cable length: 3 m



#### **ST 32 AL-EL**

Part no.10.02.01.01681

Hose sleeve

Internal hose diameter: 32 mm

Material: Aluminium

Surface: anodized

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#### **VAM 40 V DR**

Part no.10.07.02.00035

Vacuum gauge (manometer) for analogue measurement and monitoring of the vacuum

External diameter D: 40 mm

Measuring range: -1.00 ... 0.00 bar

Shape: With sealing ring

Vacuum connection: G1/8"-M



#### **VAM-D 30x30 VP10 G1/8-AG**

Part no.10.07.02.00055

Vacuum gauge (manometer) for measurement and monitoring of the vacuum

Length L: 30 mm

Width B: 30 mm

Measuring range: -1.0 ... 10.0 bar

Vacuum connection: G1/8"-M



#### **VSi V D M12-4**

Part no.10.06.02.00580

Vacuum and pressure switch with two digital output signals and IO-Link function

Measuring range: -1...0 bar

Type: with display

Electrical connection:

Male connect M12, 4 pol

Indication: 2xLED

Protection: IP 65

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#### **VSi V M12-4**

Part no.10.06.02.00570

Vacuum and pressure switch with two digital output signals and IO-Link function

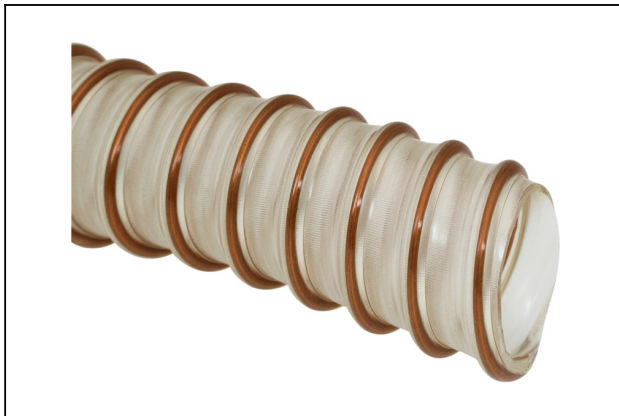
Measuring range: -1...0 bar

Electrical connection:

Male connect M12, 4 pol

Indication: LED

Protection: IP 65



#### **VSL 42-32 PU-DS-AS**

Part no.10.07.09.00036

Hose for vacuum and compressed-air systems

External diameter D: 42 mm

Internal diameter d: 32 mm

Length (max): 20 m

Material: PU, wire spiral, antistat

Installation radius (min): 25 mm

Colour: Transparent

Pressure range (operating pressure):

-1.00 ... 3.77 bar

Ambient temperature: -40 ... 90 °C