

# Basic Ejector

SBP-C 20 S03 VS-T

Part no...:10.02.01.00985

<https://www.schmalz.com/10.02.01.00985>



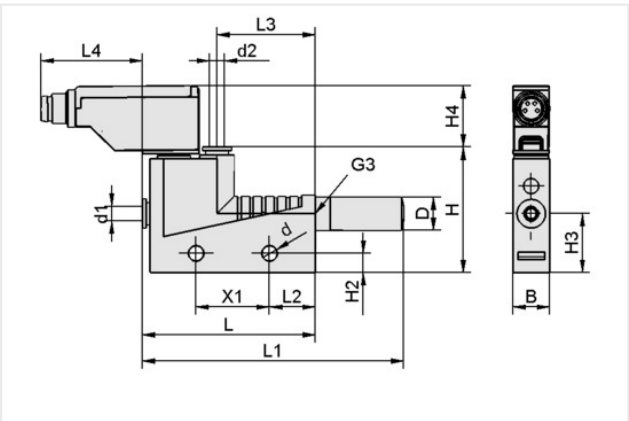
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## Basic ejector "BASE PUMP-controlled" with very light construction



|                                    |
|------------------------------------|
| Nozzle diameter: 2 mm              |
| Degree of evacuation: 85 %         |
| Connection: Hose D8(1)-D10(2)      |
| Pressure optimal: 4.5 bar          |
| Suction rate (max.): 123 l/min     |
| Air consumption suction: 208 l/min |
| Function: electronic vacuum switch |

## Design Data



| Attribute | Value    |
|-----------|----------|
| B         | 20 mm    |
| d         | 4.20 mm  |
| d1        | 8 mm     |
| d2        | 10 mm    |
| D         | 20 mm    |
| G3        | G3/8"-F  |
| H         | 62 mm    |
| H2        | 5.20 mm  |
| H3        | 18 mm    |
| H4        | 21 mm    |
| L         | 92 mm    |
| L1        | 168 mm   |
| L2        | 54 mm    |
| L3        | 62 mm    |
| L4        | 25.20 mm |
| X1        | 20 mm    |

## Technical Data

| Attribute            | Value |
|----------------------|-------|
| Nozzle diameter      | 2 mm  |
| Degree of evacuation | 85 %  |

## Contact Schmalz

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|                                               |                 |
|-----------------------------------------------|-----------------|
| Suction rate (max.)                           | 7.40 m³/h       |
| Suction rate (max.)                           | 123 l/min       |
| Air consumption suction                       | 12.50 m³/h      |
| Air consumption suction                       | 208 l/min       |
| Sound level free                              | 77 dB(A)        |
| Sound level suction                           | 68 dB(A)        |
| Pressure range (operating pressure)           | 3.0 ... 6.0 bar |
| Pressure optimal                              | 4.50 bar        |
| Recomm. internal hose diameter compressed air | 6 mm            |
| Recomm. internal hose diameter vacuum         | 7 mm            |
| Weight                                        | 145 g           |
| Operating temperature                         | 0 ... 50 °C     |
| Pressure range (operating pressure)           | 43.5 ... 87.0   |
| Pressure optimal                              | 65.20 psi       |
| Suction rate (max.)                           | 4.34 cfm        |
| Air consumption suction                       | 7.35 cfm        |
| Product family                                | SBP-C           |

Note: The supply voltage for vacuum switches and solenoid valves is 24 VDC Air consumption: On version with solenoid valves SBP-C 07 (24) / SBP-C 25 (320) and optimal operating pressure Hose diameter: For max. length 2 m

## Accessories



### BEF-PL 110x44.5x3 SBP

Part no.:10.02.01.00511

Length L: 110 mm

Width B: 44.5 mm

Height H: 3 mm

Construction use: Basic ejector SBP

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### SET SBP M4-IG

Part no...:10.02.01.00769

Length L: 50 mm

Width B: 14 mm

Construction use: Basic ejector SBP

Type: M4-IG



### ASK B-MIC10 3000 K-2P

Part no...:21.04.06.00086

Material hose: PUR cable

Electrical connection: Connect. 10mm



### ASK B-M8-4 5000 K-4P

Part no...:10.06.02.00031

Electrical connection: Fem connect M8, 4 pol

Cable length: 5,000 mm

Material hose: PUR cable

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### VFT G1/4-IG 100

Part no...:10.07.01.00120

Connection: G1/4"-F

Shape: Short filter insert

Nominal flow rate: 140 l/min

Nominal flow rate: 8.4 m³/h

Filter pore size: 100 µm

## Spare parts



### SD G3/8-AG 20x76 SBP

Part no...:10.02.01.00719

Thread G1: G3/8"-M

External diameter D: 20 mm

Length L: 76 mm

Construction use: Basic ejector SBP



### VS-V-AH-T-PNP M8-4 S

Part no...:10.06.02.00294

Measuring range: -1,0 ... 0,0 bar

Shape: Horizontal

Switching point adjustment: Teach function

Construction shape vacuum switch: PNP switching

Electrical connection: Male connect M8, 4 pole

Indication: LED

Protection type IP: IP 40

with: fixed hysteresis

Inputs/outputs: 2 digital

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