

Basic Ejector

SBPL 100 HV

Part no.:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Basic Ejectors > Basic Ejectors SBPL > SBPL 100 HV

Basic ejector with maximum suction capacity



Size: 100

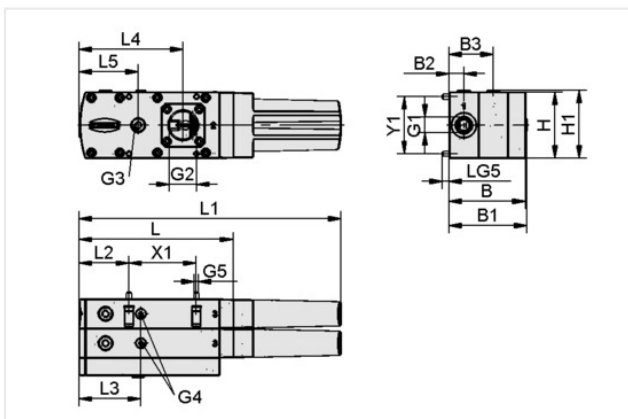
Shape: High Vacuum

Suction rate (max.): 870 l/min

Air consumption suction: 395 l/min

Weight: 1.1 kg

Design Data



Attribute	Value
B	83 mm
B1	85 mm
B2	16 mm
B3	48 mm
G1	G3/8"-F
G2	G1"-F
G3	G1/4"-F
G4	G1/8"-F
G5	M5-M
H	72 mm
H1	74 mm
L	167.50 mm
L1	285.30 mm
L2	54 mm
L3	67 mm
L4	113 mm
L5	64 mm
LG5	8.50 mm
X1	73.50 mm
Y1	62 mm

Contact Schmalz

Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no.:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>

Technical Data

Attribute	Value
Size	100
Degree of evacuation	90 %
Max. vacuum	900 mbar
Suction rate (real)	870 l/min
Suction rate (theo)	1320 l/min
Suction rate (real)	52.20 m³/h
Suction rate (theo)	79.20 m³/h
Air consumption suction	395 l/min
Air consumption suction	24.50 m³/h
Sound level free	70 dB(A)
Sound level suction	64 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	9 mm
Recomm. internal hose diameter vacuum	32 mm
Weight	1.10 kg
Operating temperature	0 ... 60 °C
Max. vacuum	26.58 inHg
Product family	SBPL

Accessories



BEF-WIN 72x25x77 SBPL/SCPL

Part no.:10.02.01.01705

Length L: 72 mm

Width B: 25 mm

Height H: 77 mm

Contact Schmalz

Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no...:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



VAM-D 30x30 VP10 G1/8-AG

Part no...:10.07.02.00055

Length L: 30 mm

Width B: 30 mm

Measuring range: -1,0 ... 10,0 bar

Vacuum connection: G1/8"-M



VAM 40 V DR BAR

Part no...:10.07.02.00035

External diameter D: 40 mm

Measuring range: -1,00 ... 0,00 bar

Construction shape manometers: With sealing ring

Vacuum connection: G1/8"-M



VSi V D M8-4

Part no...:10.06.02.00577

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

Construction shape vacuum switch: with display

Electrical connection: Male connect M8, 4 pole

Indication: 2xLED

Protection type IP: IP 65

Contact Schmalz

Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no...:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



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

Part no...:10.05.01.00366

Internal diameter d: 6 mm

Length L: 64.5 mm



SEV G1/8-IG G1/4-AG

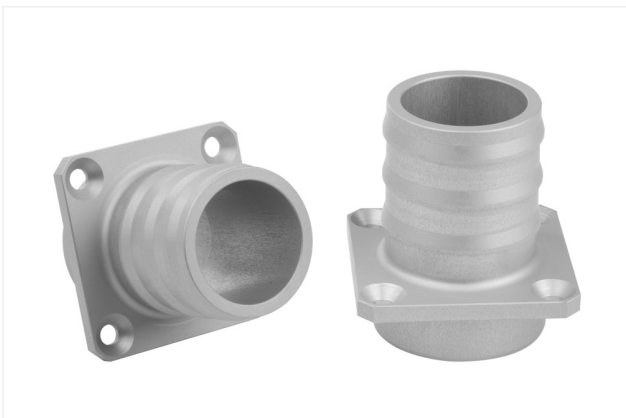
Part no...:10.02.01.01471

External diameter D: 19 mm

Length L: 37 mm

Thread G1: G1/8"-F

Thread G2: G1/4"-M



ST 32 AL-EL

Part no...:10.02.01.01681

Material: Aluminum

Construction use: Basic ejector

External diameter D: 32 mm

Length L: 4 mm

Width B: 46 mm

Contact Schmalz

Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no.: 10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



VSL 27-20 PU-DS-AS TR

Part no.: 10.07.09.00047

External diameter D: 27 mm

Internal diameter d: 20 mm

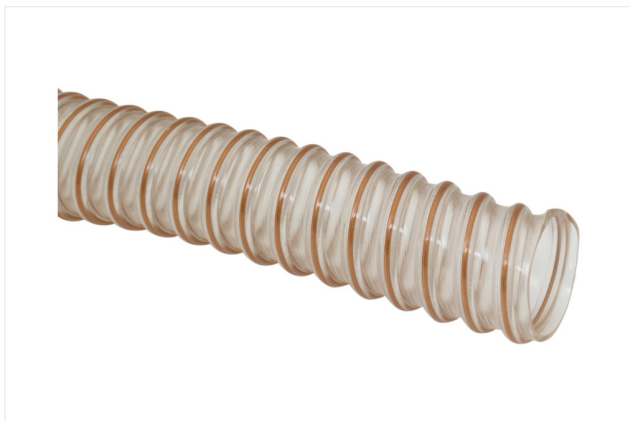
Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 17 mm

Pressure range (operating pressure): -1.00 ... 4.72 bar

Operating temperature: -40 ... 90 °C



VSL 32-25 PU-DS-AS TR

Part no.: 10.07.09.00051

External diameter D: 32 mm

Internal diameter d: 25 mm

Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 20 mm

Pressure range (operating pressure): -1.00 ... 3.86 bar

Operating temperature: -40 ... 90 °C



VSL 42-32 PU-DS-AS TR

Part no.: 10.07.09.00036

External diameter D: 42 mm

Internal diameter d: 32 mm

Length max.: 20 m

Material hose: PU, wire spiral, antistatic

Bending radius min.: 25 mm

Pressure range (operating pressure): -1.00 ... 3.77 bar

Operating temperature: -40 ... 90 °C

Contact Schmalz

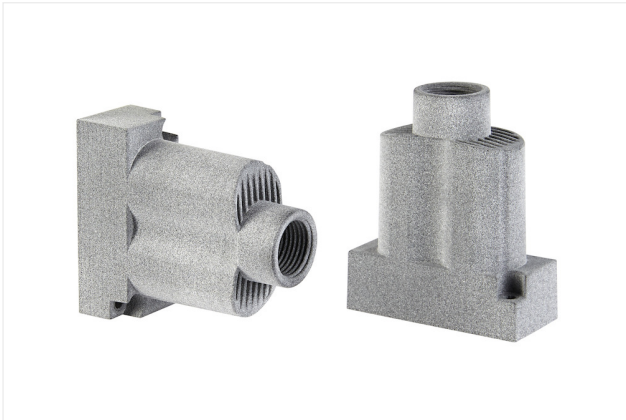
Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no...:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



ABL-SET SBPL/SCPL M

Part no...:10.02.01.01939

Size: M

Length L: 71 mm

Width B: 31 mm

Height H: 82.5 mm



ABL-SET SBPL/SCPL L

Part no...:10.02.01.01940

Size: L

Length L: 71 mm

Width B: 31 mm

Height H: 97 mm



STF G1-1/4-IG N

Part no...:10.07.01.00008

Connection: G1-1/4"-F

Shape: Steel housing

Nominal flow rate: 96 m³/h

Filter pore size: 3 µm

Contact Schmalz

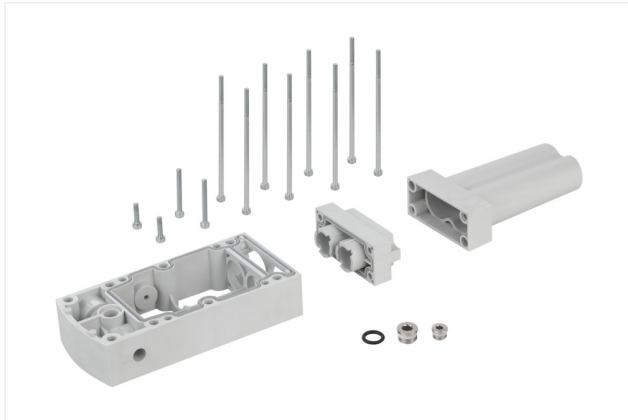
Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no.:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



SET SBPL 125/150

Part no.:10.02.01.01686

Construction use: Basic ejector

Size: 125/150

Spare parts



SEP HV 3 16 22

Part no.:10.02.01.01397

Shape: 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 suction: 103 l/min



SD 102x71x33 SBPL/SCPL

Part no.:10.02.01.01585

Length L: 102 mm

Width B: 71 mm

Height H: 33 mm

Contact Schmalz

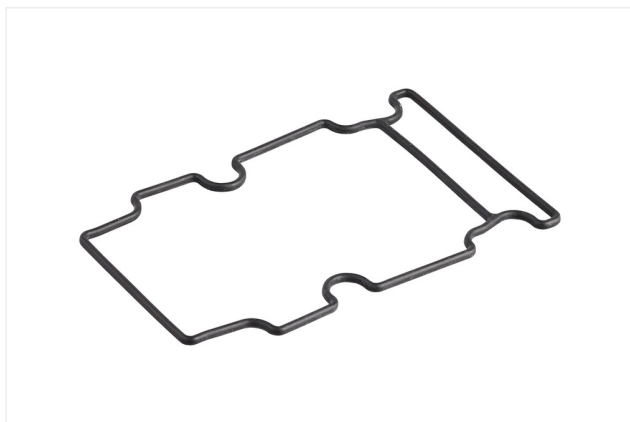
Schmalz GmbH | Commerz Park West 1, 4061 Pasching, Austria | +43 7229 24 24 4 | schmalz@schmalz.at

Basic Ejector

SBPL 100 HV

Part no...:10.02.01.01591

<https://www.schmalz.com/10.02.01.01591>



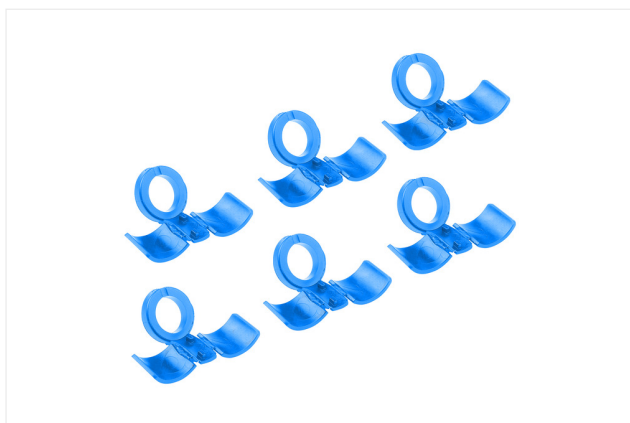
DI-RA 112.5x34.8 NBR-55 SBPL/SCPL

Part no...:10.02.01.01541

Length L: 112.5 mm

Width B: 34.8 mm

Height H: 2.8 mm



ERS SEP-22 6xRUE-KLAP

Part no...:10.02.01.01450

Construction use: Ejector module

Size: 22

contains: 6x flap



O-RING 10x2.5 NBR-70

Part no...:10.07.08.00002

Material: Nitrile rubber NBR

Internal diameter d: 10 mm