

Basic ejector

SBPL 75 HF

Part no.:10.02.01.01650

<https://www.schmalz.com/10.02.01.01650>



Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Basic Ejectors > Basic Ejectors SBPL > SBPL 75 HF

Basic ejector with maximum suction capacity



Size: 75

Design: High Flow

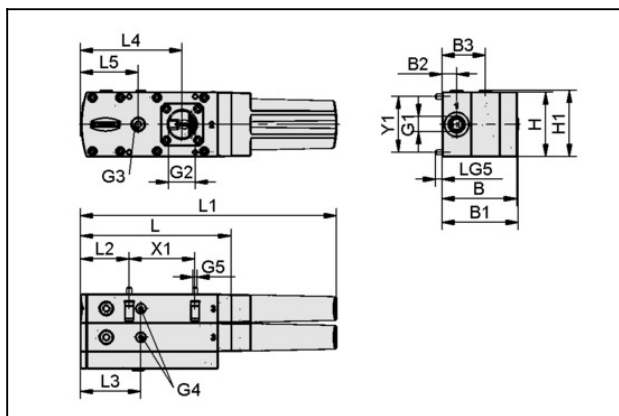
Suction rate (max): 710 l/min

Air consumption (during evac.):

230 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"-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
L1	285.3 mm

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

Technical Data

Attribute	Value
Size	75
Degree of evacuation	60 %
Max. vacuum	600 mbar
Suction rate (real)	710 l/min
Suction rate (theo)	975 l/min
Suction rate (real)	42.6 m³/h
Suction rate (theo)	58.5 m³/h
Air consumption suction	230 l/min
Air consumption suction	14 m³/h
Sound level free	67 dB(A)
Sound level suction	57 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

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Attribute	Value
Weight	1.1 kg
Operating temperature	0 ... 60 °C
Max. vacuum	17.718 inHg

Spare Parts



SEP HF 3 13 22

Part no.10.02.01.01348

Multistagenozzle as a cartridge

Design: High Flow

Number of stages: 3

Nozzle size: 1,3 mm

Hole diameter: 22 mm

Degree of evacuation: 61 %

Pressure range (operating pressure):

2.0 ... 6.0 bar

Pressure optimal: 4 bar

Suction rate (max): 297.6 l/min

Air consumption (during evac.):

74 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

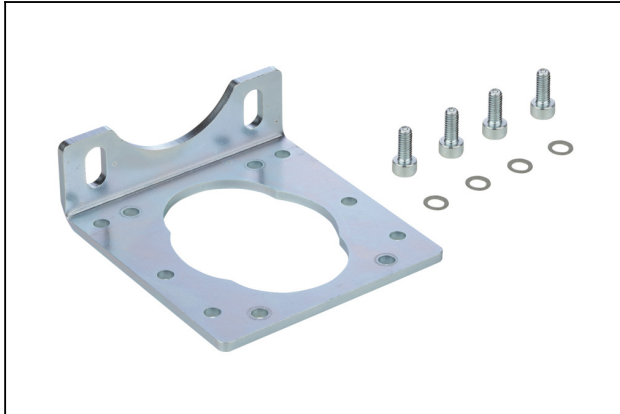
Accessories

Basic ejector

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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

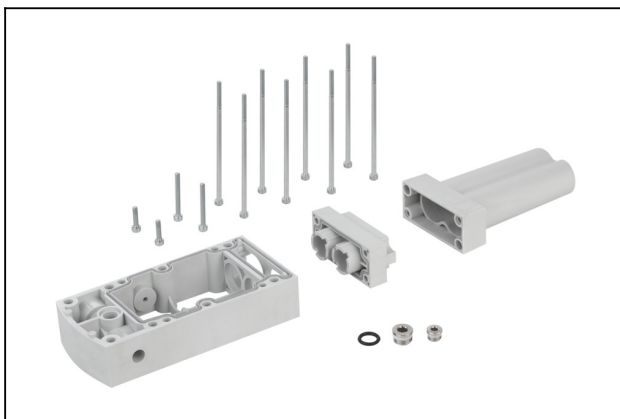
Function: 2/2-way valve

Control: Normally closed

Connecting thread: G1/4"-M

contains: Cable 2

Cable length: 3 m



SET SBPL 125/150

Part no.10.02.01.01686

Retrofit kit

for: Basic ejectors

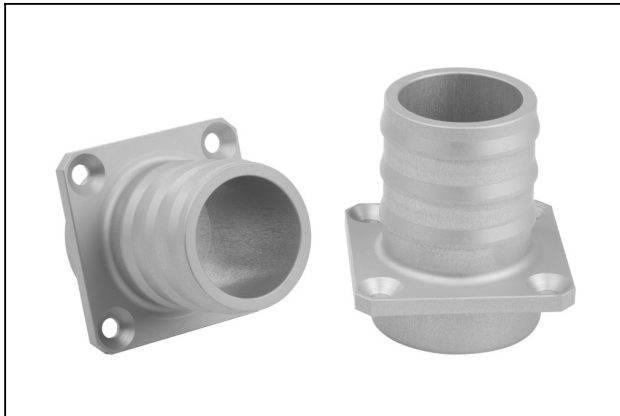
Size: 125/150

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ST 32 AL-EL

Part no.10.02.01.01681

Hose sleeve

Internal hose diameter: 32 mm

Material: Aluminium

Surface: anodized



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

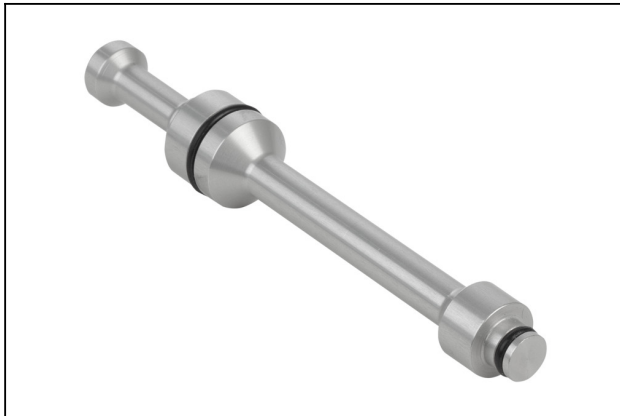
Vacuum connection: G1/8"-M

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VRS-ST 15x101.7 SBPL

Part no.10.02.01.01687

Sealing plug - pre-assembly

External diameter D: 15 mm

Length L: 101.7 mm

for: Basic ejectors



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



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

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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



VFT G3/4-IG 100

Part no.10.07.01.00129

Vacuum cup filter with transparent housing and replaceable filter

Connection: G3/4"-F

Shape: Long filter insert

Nominal flow rate: 46.2 m³/h

Filter pore size: 100 µm