

Compact ejector SCPSi-L HV 3-20 NC M12-5

Part no.:10.02.02.05827

<https://www.schmalz.com/10.02.02.05827>



Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Compact Ejectors > Compact Ejectors SCPS-
/ SCPSi-L > SCPSi-L HV 3-20 NC M12-5

Compact ejector with multi-stage nozzle and IO-Link function with highest suction rate



Design: High vacuum

Nozzle size: 2,0 (three-stage) mm

Suction rate (max): 323 l/min

Air consumption (during evac.):
172 l/min

Noise level (free): 81 dB
at operating press.: 4.0 ... 6.0 bar

Control: Normally closed

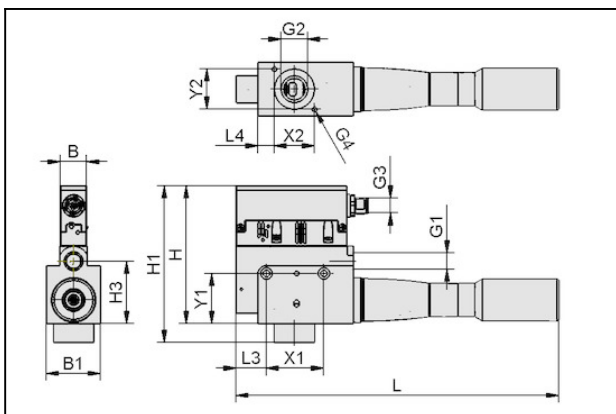
Electrical connection:

Male connect M12, 5 pol

Connection: M12-5

Protection: IP 65 (with plug)

Design Data



Attribute	Value
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B	18 mm
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d	4.5 mm
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G1	G1/4"-F
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G2	G1/2"-F
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G3	M12x1-M
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H	95.75 mm
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H1	109 mm
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H3	56.5 mm
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L	230 mm
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L3	21 mm
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Contact to Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Straße, 72293 Glatten, Deutschland | +49 7443 2403-102 |
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Attribute	Value
X1	40 mm

Technical Data

Attribute	Value
Degree of evacuation	90 %
Suction rate (max.)	323 l/min
Nozzle size	3-20
Nozzle diameter	2 mm
Control valve	Normally closed
Electrical connection	M12 plug 5-pin
Recomm. internal hose diameter compressed air	6 mm
Recomm. internal hose diameter vacuum	14 mm
Pressure range (operating pressure)	4.0 ... 6.0 bar
Operating temperature	5 ... 50 °C
Protection type IP	IP 65 (with plug)
Product family	SCPSi-L

Spare Parts

Contact to Schmalz

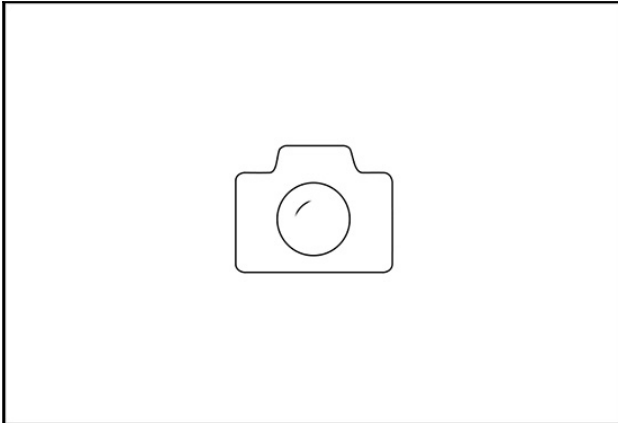
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SHC 3 22

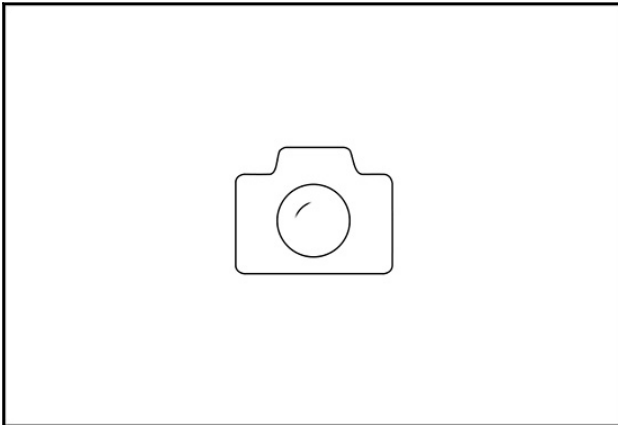
Part no.10.02.01.01810

Schmalz Holder Cap

Number of stages: 3

Hole diameter: 22 mm

SO: High performance



SEP HV 3 20 22

Part no.10.02.01.01631

Multistagenozzle as a cartridge

Design: High vacuum

Number of stages: 3

Nozzle size: 2,0 mm

Hole diameter: 22 mm



SD 29x70 SHC 22

Part no.10.02.01.01517

Silencer for vacuum generators

External diameter D: 29 mm

Length L: 70 mm

for: Schmalz Holder Cap

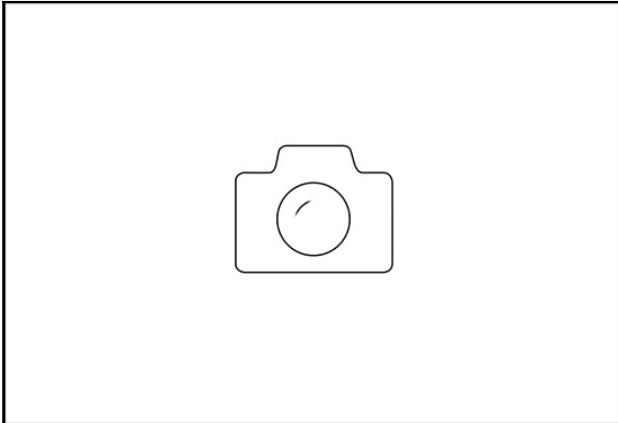
Size: 22

Compact ejector

SCPSi-L HV 3-20 NC M12-5

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SD 29x121.5 SHC

Part no.10.02.01.01831

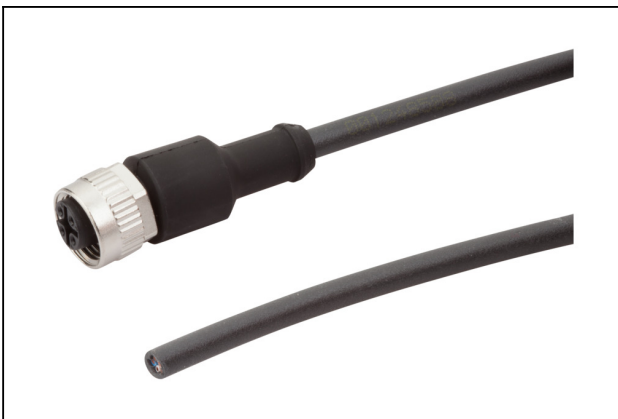
Silencer for vacuum generators

External diameter D: 29 mm

Length L: 121.5 mm

for: Schmalz Holder Cap

Accessories



ASK B-M12-5 5000 K-5P

Part no.21.04.05.00080

Connection cable

Interface Connection 1:

Fem connect M12, 5 pol

Cable length: 5000 mm

Interface Connection 2: Cable 5

Material: PUR-Cable

Shape: Straight



ASK B-M12-5 2000 S-M12-5

Part no.21.04.05.00211

Connection cable

Interface Connection 1:

Fem connect M12, 5 pol

Cable length: 2000 mm

Interface Connection 2:

Male connect M12, 5 pol

Material: PUR-Cable

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SD 29x70 SHC 22

Part no.10.02.01.01517

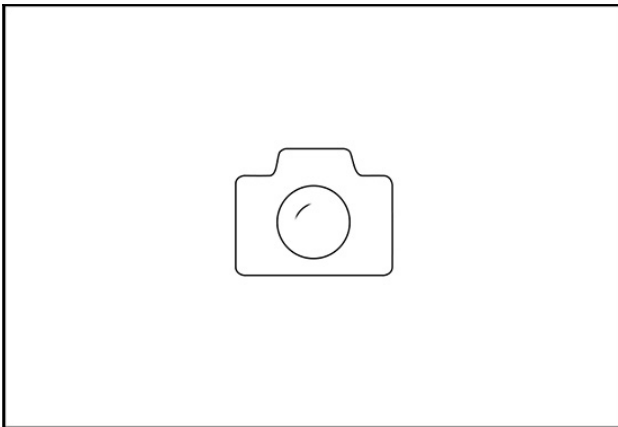
Silencer for vacuum generators

External diameter D: 29 mm

Length L: 70 mm

for: Schmalz Holder Cap

Size: 22



SD 29x121.5 SHC

Part no.10.02.01.01831

Silencer for vacuum generators

External diameter D: 29 mm

Length L: 121.5 mm

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