

## Compact ejector SCPi 20 NO VD M12-5

Part no.:10.02.02.03354

<https://www.schmalz.com/10.02.02.03354>



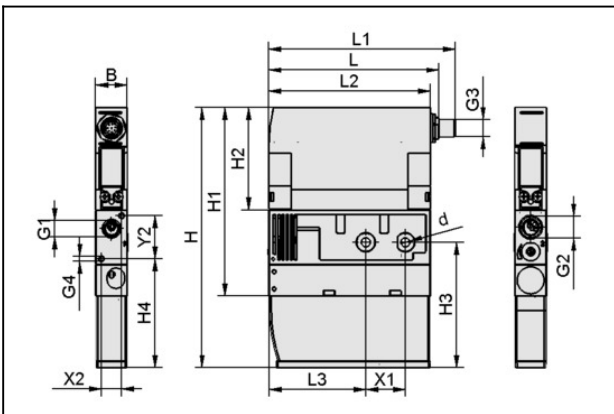
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Compact ejectors > Compact Ejectors SCPi /  
SMPI > SCPi 20 NO VD M12-5

## Compact ejector



Nozzle size: 2,0 mm  
Suction rate (max): 140 l/min  
Air consumption (during evac.):  
180 l/min  
Noise level (free): 75 dB  
at operating press.: 4.0 ... 7.0 bar  
Vacuum (max): -850 mbar  
Control: Normally open  
with: digital vacuum switch  
Electrical connection:  
Male connect M12, 5 pol  
Protection: IP 65

## Design Data



### Attribute Value

|    |          |
|----|----------|
| B  | 22 mm    |
| d  | 6.6 mm   |
| G1 | G1/4"-IG |
| G2 | G3/8"-F  |
| G3 | M12x1-M  |
| G4 | M4-F     |
| H  | 181.5 mm |
| H1 | 131.5 mm |
| H2 | 71.5 mm  |
| H3 | 87.5 mm  |
| H4 | 76 mm    |

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| Attribute | Value    |
|-----------|----------|
| L         | 118.5 mm |
| L1        | 129.7 mm |
| L2        | 112.5 mm |
| L3        | 67.5 mm  |
| X1        | 27.5 mm  |
| X2        | 14 mm    |
| Y2        | 30 mm    |

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## Technical Data

| Attribute                                     | Value           |
|-----------------------------------------------|-----------------|
| Degree of evacuation                          | 85 %            |
| Suction rate (max.)                           | 8.4 m³/h        |
| Suction rate (max.)                           | 140 l/min       |
| Air consumption suction                       | 11.7 m³/h       |
| Air consumption suction                       | 180 l/min       |
| Max. air consumption blow off                 | 200 l/min       |
| Sound level free                              | 75 dB(A)        |
| Pressure range (operating pressure)           | 4.0 ... 7.0 bar |
| Recomm. internal hose diameter compressed air | 6 mm            |
| Recomm. internal hose diameter vacuum         | 8 mm            |
| Control valve                                 | Stromlos offen  |
| Nozzle diameter                               | 2 mm            |
| Weight                                        | 0.56 kg         |
| Operating temperature                         | 0 ... 50 °C     |
| Pressure range (operating pressure)           | 58.0...101.5    |

## Contact to Schmalz

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| Attribute               | Value      |
|-------------------------|------------|
| Suction rate (max.)     | 4.943 cfm  |
| Air consumption suction | 6.356 cfm  |
| Max. vacuum             | -25.1 inHg |

Note: The supply voltage for vacuum switches and solenoid valves is 24V DC Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m

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### Spare Parts



#### **SD 111x21x45 SMPi/SCPi**

Part no.10.02.02.03381

Silencer for vacuum generators

Length L: 111 mm

Width B: 21 mm

Height H: 45 mm

for: Compact ejectors SMPi/SCPi

### 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

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### **ASV SMPI/SCPI 3xS-M12-4**

Part no.10.02.02.03372

Connection distributor

for: Ejector SMPI/SCPI

Interface Connection cable:

Fem connect M12, 5 pol

Interface Connection cable:

3xConnect M12, 4 pol

Length L: 1075 mm



### **ASV SMPI/SCPI 2xS-M12-4**

Part no.10.02.02.03490

Connection distributor

for: Ejector SMPI/SCPI

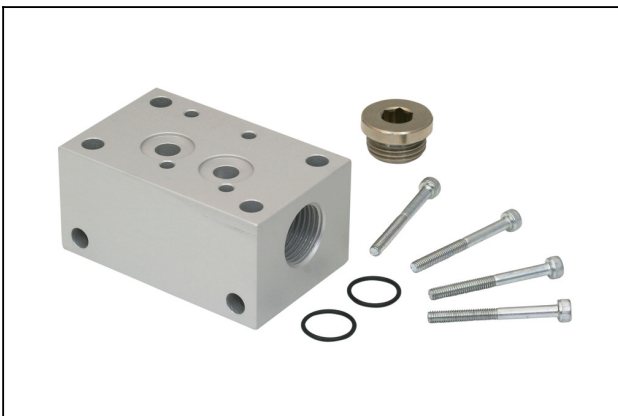
Interface Connection cable:

Fem connect M12, 5 pol

Interface Connection cable:

2xConnect M12, 4 pol

Length L: 1050 mm



### **GP 2 SMP 15..30/SCP 20..30**

Part no.10.02.02.00917

Compressed air distributor for use as a manifold and for building ejector blocks

Number of connections: 2

Length L: 78 mm

Width B: 38 mm

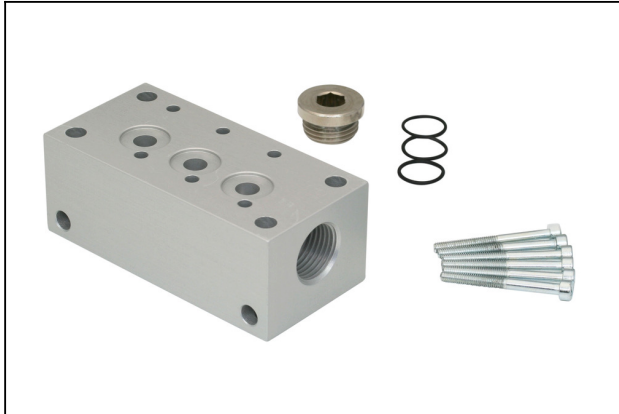
Height H: 49.5 mm

for: SMP 15..30/SCP 20..30

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### GP 3 SMP 15..25/SCP 20..25

Part no.10.02.02.00918

Compressed air distributor for use as a manifold and for building ejector blocks

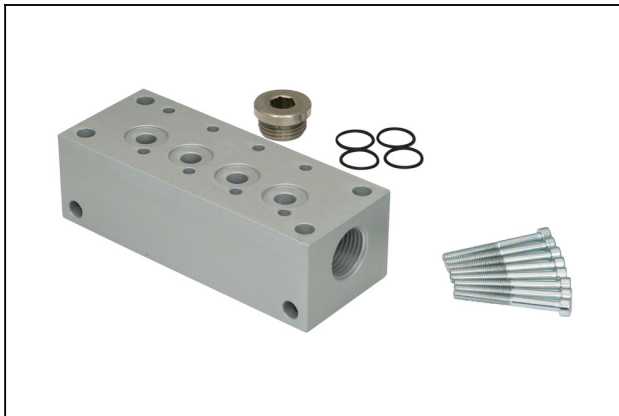
Number of connections: 3

Length L: 101 mm

Width B: 38 mm

Height H: 49.5 mm

for: SMP 15..25/SCP 20..25



### GP 4 SMP 15..20/SCP 20

Part no.10.02.02.00919

Compressed air distributor for use as a manifold and for building ejector blocks

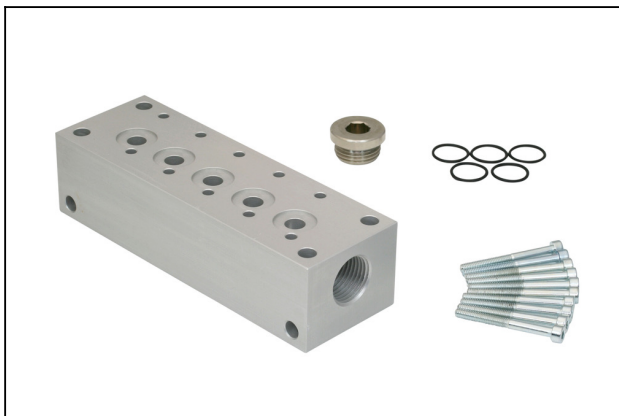
Number of connections: 4

Length L: 124 mm

Width B: 38 mm

Height H: 49.5 mm

for: SMP 15..20/SCP 20



### GP 5 SMP 15

Part no.10.02.02.00920

Compressed air distributor for use as a manifold and for building ejector blocks

Number of connections: 5

Length L: 147 mm

Width B: 38 mm

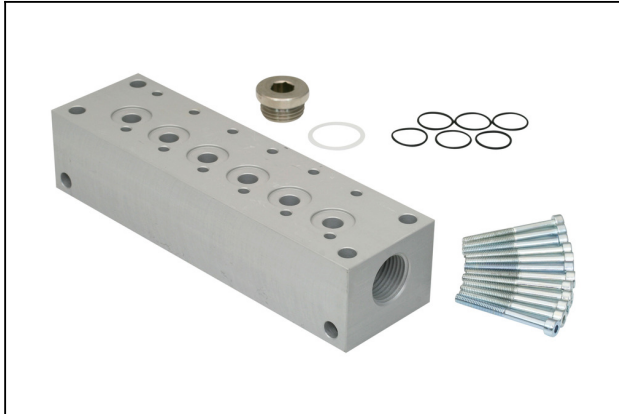
Height H: 49.5 mm

for: SMP 15

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### GP 6 SMP 15

Part no.10.02.02.00921

Compressed air distributor for use as a manifold and for building ejector blocks

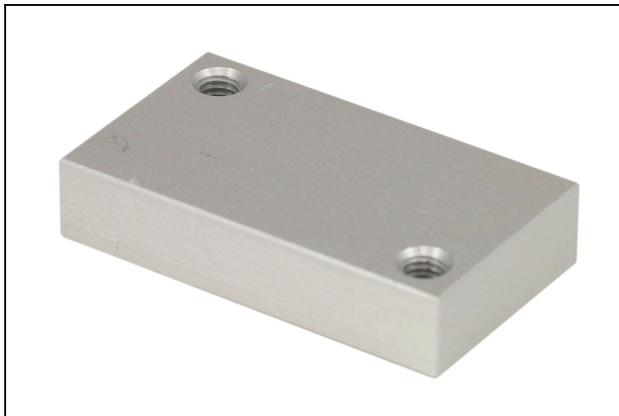
Number of connections: 6

Length L: 170 mm

Width B: 38 mm

Height H: 49.5 mm

for: SMP 15



### EJEK-PL SMP(i)15..30/SCP(i)20..30

Part no.10.02.02.00728

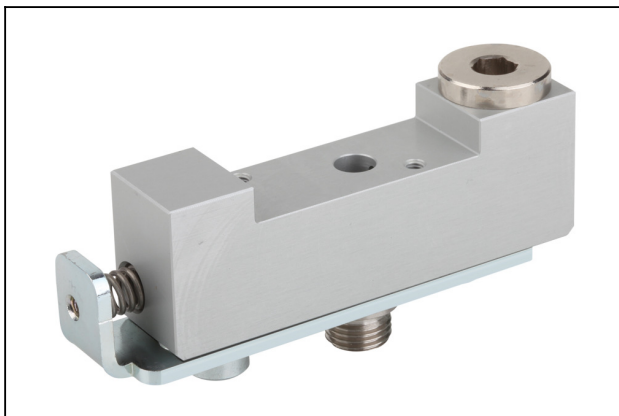
Ejector blanking plate

Length L: 38 mm

Width B: 22 mm

Height H: 8 mm

for: SMP(i) 15..30/SCP(i) 20..30



### ADP-Q 90.5x22x29.7 SMPi/SCPi

Part no.10.02.02.03463

Baseplate for the construction of ejector blocks

Length L: 90.5 mm

Width B: 22 mm

Height H: 29.7 mm

Number of connections: 1

for: Compact ejectors SMPi/SCPi

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### EJEK-TEST SMPi/SCPi

Part no.10.02.02.03588

Ejector tester

for: Compact ejectors SMPi/SCPi



### VFT G1/4-IG 100

Part no.10.07.01.00120

Vacuum cup filter with transparent housing and  
replaceable filter

Connection: G1/4"-F

Shape: Short filter insert

Nominal flow rate: 8.4 m<sup>3</sup>/h

Filter pore size: 100 µm