

# Compact ejector

## SCPi 20 NO VD M12-5

Part no.: 10.02.02.03354

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



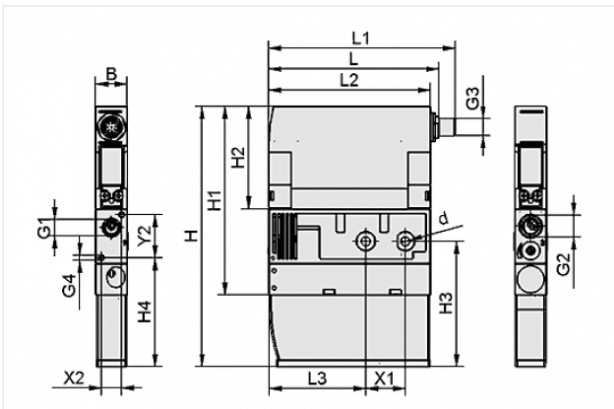
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## Compact ejector



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"-F |
|----|---------|

|    |         |
|----|---------|
| 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 |
|----|-------|

## Contact to Schmalz

J. Schmalz GmbH | Johannes-Schmalz-Straße, 72293 Glatten, Deutschland | +49 7443 2403-102 | [customercenter@schmalz.de](mailto:customercenter@schmalz.de)

| 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    |

## Technical Data

| Attribute                               | Value         |
|-----------------------------------------|---------------|
| Nozzle diameter                         | 2 mm          |
| Degree of evacuation                    | 85 %          |
| Suction rate (max)                      | 8.4 m³/h      |
| Suction rate (max)                      | 140 l/min     |
| Air consumption (during evac.)          | 11.7 m³/h     |
| Air consumption (during evac.)          | 180 l/min     |
| Air consumption (blow off) (max)        | 200 l/min     |
| Noise level (free)                      | 75 dB         |
| Int. hose diameter (recom.) comp.-air   | 6 mm          |
| Int. hose diameter (recom.) vacuum side | 8 mm          |
| Control                                 | Normally open |
| Weight                                  | 0.56 kg       |
| Product family                          | SCPi          |

### Note:

- The supply voltage for vacuum switches and solenoid valves is 24V DC
- Air consumption: At optimal operating pressure

### Contact to Schmalz

- Hose diameter: For max. length 2 m

## Spare Parts



### **SD 111x21x45 SMPI/SCPI**

Part no. 10.02.02.03904

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**

Part no. 21.04.05.00080

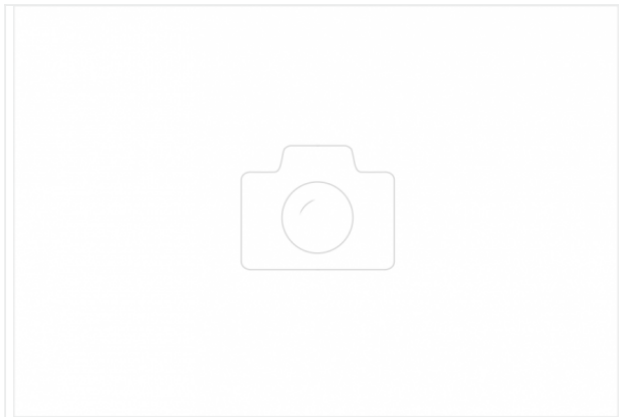
Connection cable

Interface Connection cable:

Fem connect M12, 5 pol

Cable length: 5000 mm

Material: PUR-Cable



#### **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



#### **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



#### **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

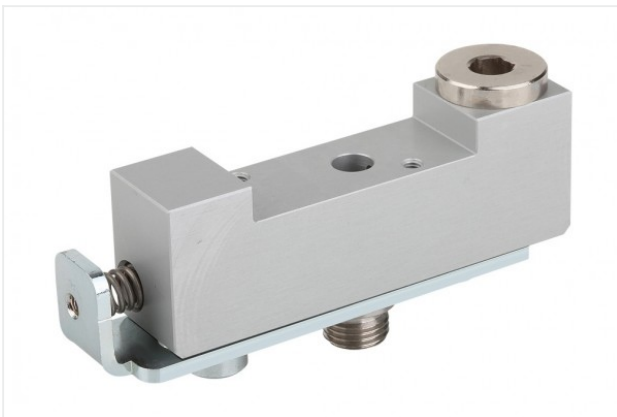
Ejector blanking plate

Length: 38 mm

Width: 22 mm

Height: 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



#### **EJEK-TEST SMPI/SCPi**

Part no. 10.02.02.03588

Ejector tester

for: Compact ejectors SMPI/SCPi