

## Compact ejector

SCPi 20 IMP RD M12-5

Part no.: 10.02.02.03359

<https://www.schmalz.co.jp/10.02.02.03359>

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SCPi / SMPi > SCPi 20 IMP RD M12-5

### Compact ejector with fully integrated functionality



Nozzle diameter: 2 mm

Suction rate (max.): 140 l/min

Air consumption suction: 180 l/min

Pressure range (operating pressure): 4.0 ... 7.0 bar

Max. vacuum: -850 mbar

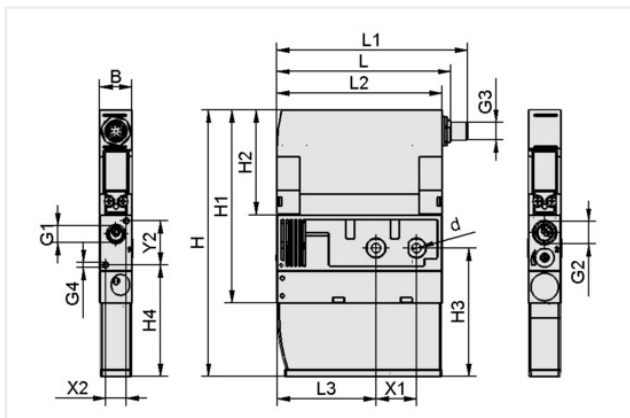
Control valve: Double pilot valve

Function: Digital air-saving function

Electrical connection: Male connect M12, 5 pol

Protection type IP: IP 65

### Design Data



| Attribute | Value     |
|-----------|-----------|
| B         | 22 mm     |
| d         | 6.60 mm   |
| G1        | G1/4"-F   |
| G2        | G3/8"-F   |
| G3        | M12x1-M   |
| G4        | M4-F      |
| H         | 181.50 mm |
| H1        | 131.50 mm |
| H2        | 71.50 mm  |
| H3        | 87.50 mm  |
| H4        | 76 mm     |
| L         | 118.50 mm |
| L1        | 129.70 mm |
| L2        | 112.50 mm |
| L3        | 67.50 mm  |
| X1        | 27.50 mm  |
| X2        | 14 mm     |
| Y2        | 30 mm     |

### Technical Data

#### Contact Schmalz

Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | [schmalz@schmalz.co.jp](mailto:schmalz@schmalz.co.jp)

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| Attribute                                     | Value                   |
|-----------------------------------------------|-------------------------|
| Degree of evacuation                          | 85 %                    |
| Suction rate (max.)                           | 8.40 m <sup>3</sup> /h  |
| Suction rate (max.)                           | 140 l/min               |
| Air consumption suction                       | 11.70 m <sup>3</sup> /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                                 | Double pilot valve      |
| Nozzle diameter                               | 2 mm                    |
| Weight                                        | 0.56 kg                 |
| Operating temperature                         | 0 ... 50 ° C            |
| Pressure range (operating pressure)           | 58.0 ... 101.5          |
| Suction rate (max.)                           | 4.94 cfm                |
| Air consumption suction                       | 6.36 cfm                |
| Max. vacuum                                   | -25.10 inHg             |
| Product family                                | SCPi                    |

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

## Accessories



ASK B-M12-5 5000 K-5P

Part no.: 21.04.05.00080

Electrical connection: Fem connect M12, 5 pol

Cable length: 5,000 mm

Material hose: PUR cable

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ASV SM/CPI B-M12-5 3xS-M12-4

Part no.: 10.02.02.03372

Pressure range (operating pressure): bar

Length L: 1,075 mm



ASV SM/CPI B-M12-5 2xS-M12-4

Part no.: 10.02.02.03490

Pressure range (operating pressure): bar

Length L: 1,050 mm



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

Part no.: 10.02.02.00917

Pressure range (operating pressure): bar

Number of connections: 2

Length L: 78 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm

### Contact Schmalz

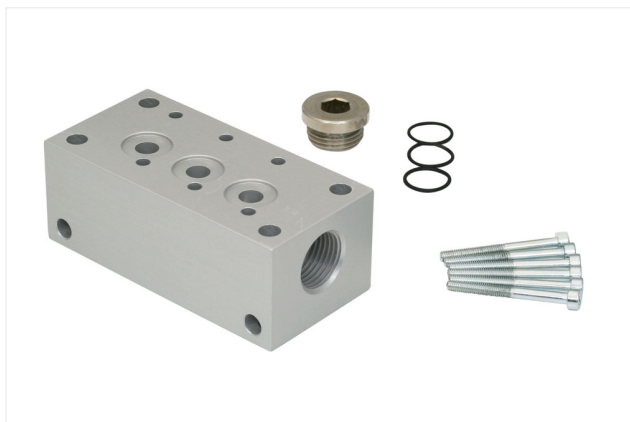
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**GP 3 SMP 15..25/SCP 20..25**

Part no.: 10.02.02.00918

Pressure range (operating pressure): bar

Number of connections: 3

Length L: 101 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm



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

Part no.: 10.02.02.00919

Pressure range (operating pressure): bar

Number of connections: 4

Length L: 124 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm



**GP 5 SMP 15**

Part no.: 10.02.02.00920

Pressure range (operating pressure): bar

Number of connections: 5

Length L: 147 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm

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### GP 6 SMP 15

Part no.: 10.02.02.00921

Pressure range (operating pressure): bar

Number of connections: 6

Length L: 170 mm

Width B: 38 mm

Height H: 49.5 mm

Internal diameter d: 7 mm



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

Part no.: 10.02.02.00728

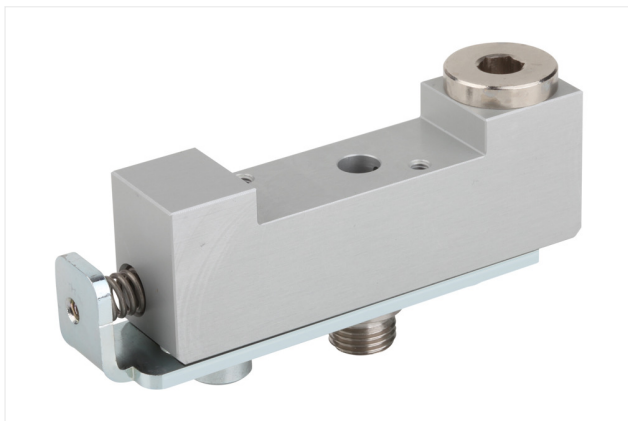
Pressure range (operating pressure): bar

Length L: 38 mm

Width B: 22 mm

Height H: 8 mm

Construction use: Compact ejectors SMP/SCP



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

Part no.: 10.02.02.03463

Pressure range (operating pressure): bar

Number of connections: 1

Length L: 90.5 mm

Width B: 22 mm

Height H: 29.7 mm

Construction use: Compact ejectors SMPi/SCPi

Internal diameter d: 8 mm

## Contact Schmalz

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### EJEK-TEST SMPi/SCPi

Part no.: 10.02.02.03588

Construction use: Compact ejectors SMPi/SCPi



### VFT G1/4-IG 100

Part no.: 10.07.01.00120

Connection: G1/4"-F

Shape: Short filter insert

Nominal flow rate: 140 l/min

Nominal flow rate: 8.4 m³/h

Filter pore size: 100 µm

## Spare parts



### SD 111x21x45 SMPi/SCPi

Part no.: 10.02.02.03381

Length L: 111 mm

Width B: 21 mm

Height H: 45 mm

Construction use: Compact ejectors SMPi/SCPi

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