

## Compact ejector

SMPi 20 IMP VD M12-5

Part no.:10.02.02.03350

<https://www.schmalz.com/10.02.02.03350>

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### Compact ejector "MEGA PUMP" with power blow-off function



Nozzle diameter: 2 mm

Suction rate (max.): 135 l/min

Air consumption suction: 180 l/min

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

Max. vacuum: -850 mbar

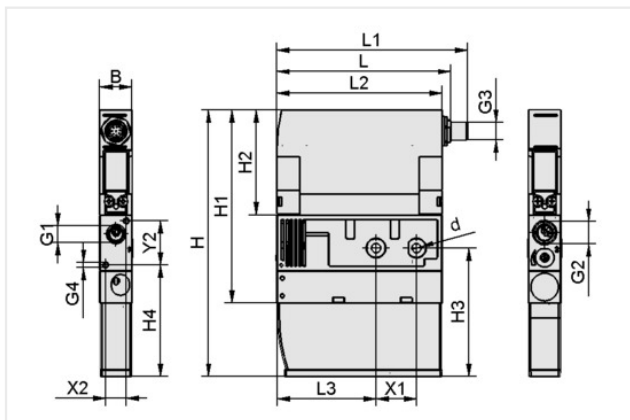
Control valve: Double pilot valve

Function: digital vacuum switch

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

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| Attribute                                     | Value              |
|-----------------------------------------------|--------------------|
| Degree of evacuation                          | 85 %               |
| Suction rate (max.)                           | 8.10 m³/h          |
| Suction rate (max.)                           | 135 l/min          |
| Air consumption suction                       | 10.80 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                                 | 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.)                           | 4.77 cfm           |
| Air consumption suction                       | 6.36 cfm           |
| Max. vacuum                                   | -25.10 inHg        |
| Product family                                | SMPi               |

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

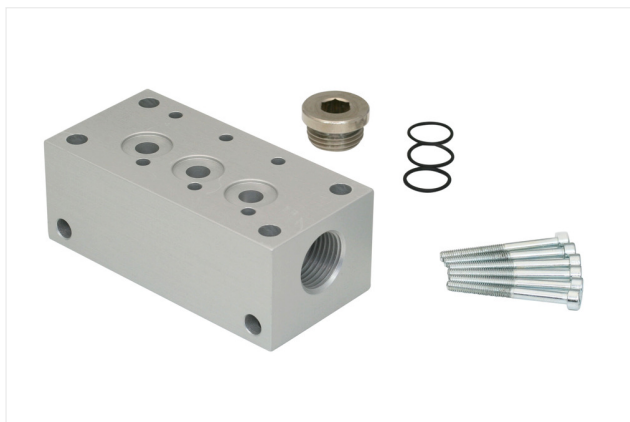
Internal diameter d: 7 mm

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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

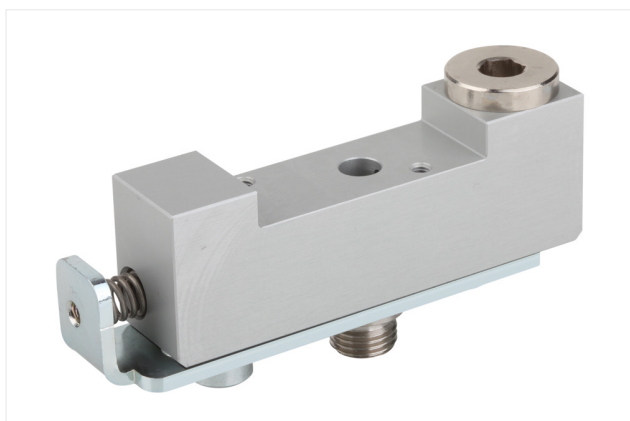
Pressure range (operating pressure): bar

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

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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 m<sup>3</sup>/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