

Compact ejector

SCPi 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>

Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Compact Ejectors > Compact Ejectors
SCPi / SMPi > SCPi 20 NC 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

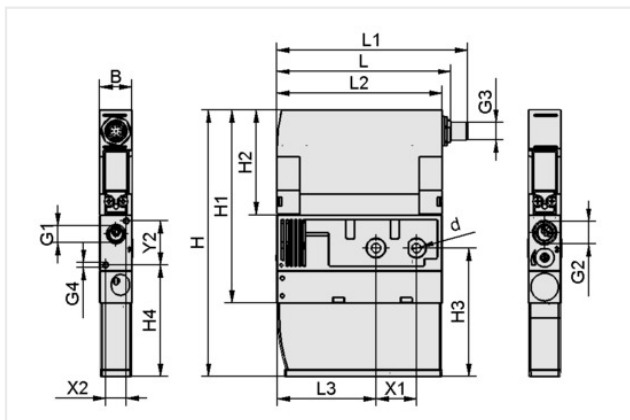
Control valve: Normally closed

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

Compact ejector

SCP*i* 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>

Attribute	Value
Degree of evacuation	85 %
Suction rate (max.)	8.40 m ³ /h
Suction rate (max.)	140 l/min
Air consumption suction	11.70 m ³ /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	Normally closed
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	SCP <i>i</i>

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

Contact Schmalz

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

Compact ejector

SCPi 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>



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

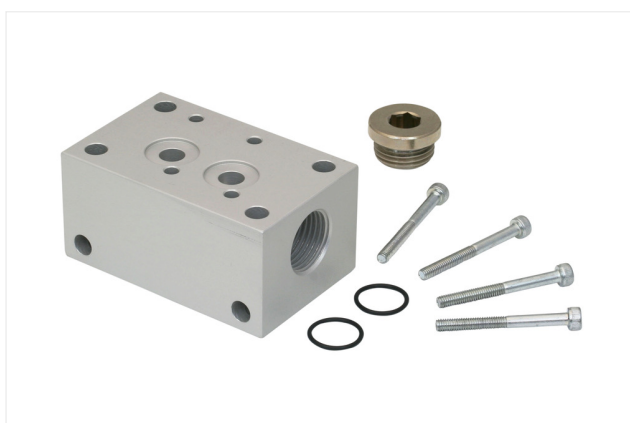


ASV SM/CPI B-M12-5 2xS-M12-4

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

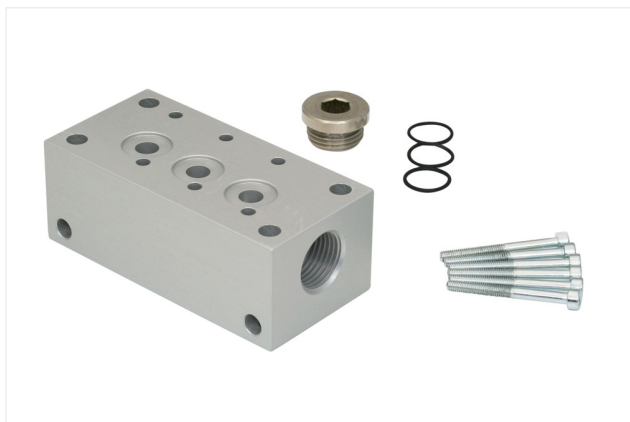
Schmalz K.K. | 3001-7 Odana-cho, Tsuzuki-ku, 224-0027 Yokohama, Japan | +81 45 565 5150 | schmalz@schmalz.co.jp

Compact ejector

SCPi 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>



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

Contact Schmalz

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

Compact ejector

SCPi 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>



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

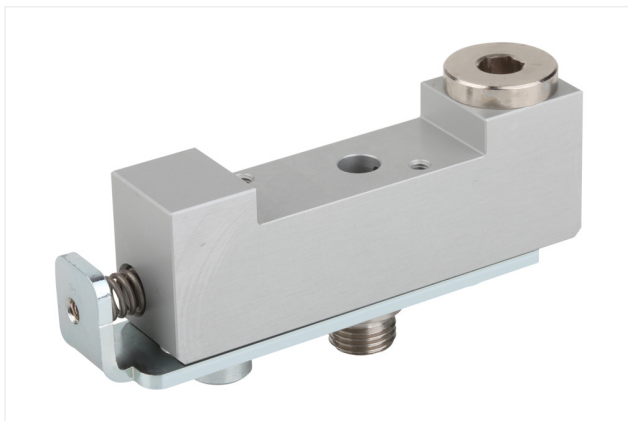
Pressure range (operating pressure): bar

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

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

Compact ejector

SCPi 20 NC RD M12-5

Part no.: 10.02.02.03358

<https://www.schmalz.co.jp/10.02.02.03358>



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

Contact Schmalz

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