Compact ejector

SCPSi 2-14 G02 NC M12-5

Part no..:10.02.02.04370

https://www.schmalz.com/10.02.02.04370

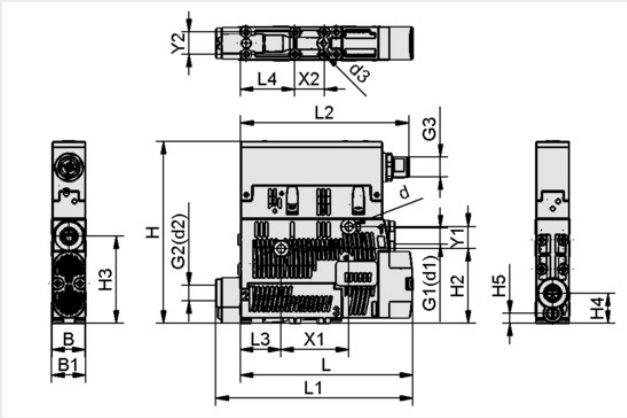
Home > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Compact Ejectors > Compact Ejectors SCPS / SCPSi > SCPSi 2-14 G02 NC M12-5

Compact ejector with integrated air- saving control in slim design and IO-Link functionality



- Nozzle size: 2-14
- Connection: G1/8"(1)-G1/8"(2)
- Electrical connection: Male connect M12, 5 pol
- Suction rate (max.): 71.5 l/min
- Air consumption suction: 82 l/min
- Pressure range (operating pressure): 3.0 ... 6.0 bar
- Protection type IP: IP 65 (with plug)
- Max. vacuum: -850 mbar
- Control valve: Normally closed
- Function: Digital air-saving function

Design Data



Attribute	Value
B	18 mm
B1	18.60 mm
d	4.40 mm
d3	2.60 mm
G1	G1/8"-F
G2	G1/8"-F
G3	M12x1-M
H	99 mm
H2	40.80 mm
H3	47.50 mm
H4	16.50 mm
H5	5.50 mm
L	92.50 mm
L1	106 mm
L2	91.50 mm
L3	22 mm
L4	29.50 mm
X1	36.90 mm
X2	16 mm
Y1	12 mm
Y2	12 mm

Compact ejector

SCPSi 2-14 G02 NC M12-5

Part no..:10.02.02.04370

https://www.schmalz.com/10.02.02.04370

Technical Data

Attribute	Value
Nozzle size	2-14
Degree of evacuation	85 %
Suction rate (max.)	4.40 m³/h
Suction rate (max.)	71.50 l/min
Air consumption suction	5.04 m³/h
Air consumption suction	82 l/min
Air consumption blow off	7.20 m³/h
Max. air consumption blow off	120 l/min
Sound level free	75 dB(A)
Sound level suction	70 dB(A)
Pressure range (operating pressure)	3.0 ... 6.0 bar
Recomm. internal hose diameter compressed air	4 mm
Recomm. internal hose diameter vacuum	6 mm
Weight	0.20 kg
Operating temperature	0 ... 50 °C
Pressure range (operating pressure)	43.5 ... 87.0
Suction rate (max.)	2.52 cfm
Air consumption suction	2.90 cfm
Air consumption blow off	4.24 cfm
Max. vacuum	-25.10 inHg
Control valve	Normally closed
Product family	SCPSi

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

Compact ejector

SCPSi 2-14 G02 NC M12-5

Part no..:10.02.02.04370

https://www.schmalz.com/10.02.02.04370



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



VFI CN6/4 50

Part no..:10.07.01.00241

Connection: Hose 6/4 with Cap nut

Filter pore size: 50 µm



VFI CN8/6 50

Part no..:10.07.01.00245

Connection: Hose 8/6 with Cap nut

Filter pore size: 50 µm

Compact ejector

SCPSi 2-14 G02 NC M12-5

Part no..:10.02.02.04370

https://www.schmalz.com/10.02.02.04370



SET SCPS

Part no..:10.02.02.04343

Length L: 113 mm
Width B: 70 mm
Height H: 73 mm
Construction use: Compact ejectors SCPS/SCPSi



ABL-SET SCPS zweistufig

Part no..:10.02.02.04667

Construction use: Compact ejectors SCPS/SCPSi
Size: zweistufig
Length L: 14 mm
Width B: 18 mm
Weight: 16.3 g



ASK B-M12-5 1000 S-M12-5

Part no..:21.04.05.00158

Pressure range (operating pressure): bar
Electrical connection: Fem connect M12, 5 pol
Cable length: 1,000 mm
Material hose: PUR cable



ASK B-M12-5 2000 S-M12-5

Part no..:21.04.05.00211

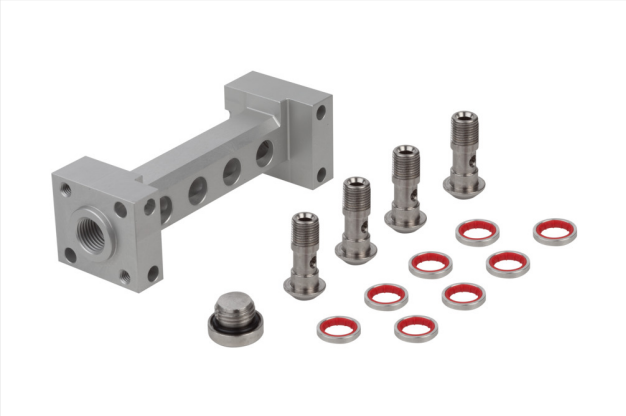
Pressure range (operating pressure): bar
Electrical connection: Fem connect M12, 5 pol
Cable length: 2,000 mm
Material hose: PUR cable



GP 3 SCPS 07..15 G2

Part no..:10.02.02.04884

Number of connections: 3
Length L: 89.4 mm
Width B: 38 mm
Height H: 34 mm
Weight: 177 g



GP 4 SCPS 07..15 G2

Part no..:10.02.02.04338

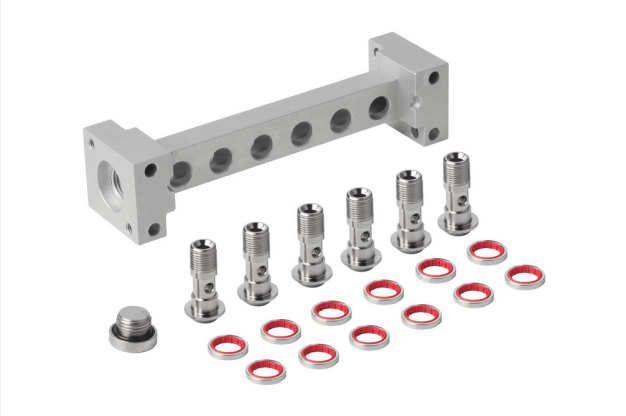
Number of connections: 4
Length L: 108 mm
Width B: 38 mm
Height H: 34 mm
Weight: 200.3 g



GP 5 SCPS 07..15 G2

Part no..:10.02.02.04858

Number of connections: 5
Length L: 126.6 mm
Width B: 38 mm
Height H: 34 mm
Weight: 194.3 g



GP 6 SCPS 07..15 G2

Part no..:10.02.02.04837

Number of connections: 6
Length L: 145.2 mm
Width B: 38 mm
Height H: 34 mm
Weight: 245.9 g



GP 8 SCPS 07..15 G2

Part no..:10.02.02.04937

Number of connections: 8
Length L: 182.4 mm
Width B: 38 mm
Height H: 34 mm

Compact ejector

SCPSi 2-14 G02 NC M12-5

Part no..:10.02.02.04370

https://www.schmalz.com/10.02.02.04370



HUT-SN-KL 75x18x9 SCPS

Part no..:10.02.02.04149

Length L: 75 mm
Width B: 18 mm
Height H: 9 mm
Construction use: Compact ejectors SCPS/SCPSi

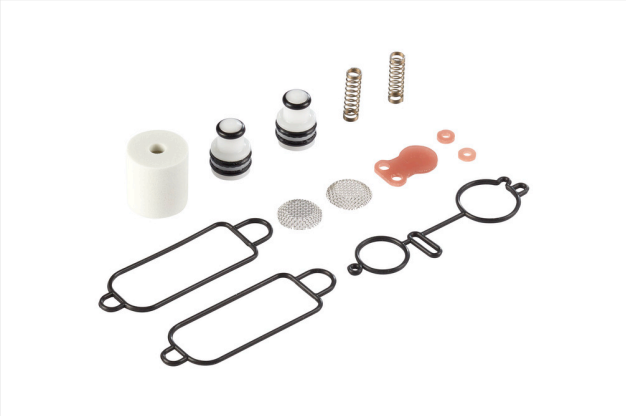


VFT G1/4-IG 80

Part no..:10.07.01.00119

Connection: G1/4"-F
Shape: Short filter insert
Nominal flow rate: 110 l/min
Nominal flow rate: 6.6 m³/h
Filter pore size: 80 µm

Spare parts



VST SCPS-zw-stuf-SD

Part no..:10.02.02.04738

Construction use: Compact ejectors SCPS/SCPSi
Size: zw-stuf-SD