

# Compact ejector SMP 20 NC AS VE

<https://www.schmalz.com/10.02.02.00576>



Part no.: 10.02.02.00576

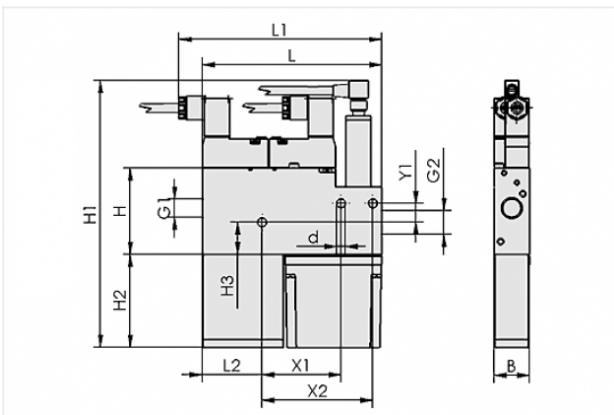
Homepage > Vacuum Technology for Automation > Vacuum Components > Vacuum Generators > Compact Ejectors > Compact Ejectors SCP / SMP > SMP 20 NC AS VE

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



Nozzle size: 2,0 mm  
 Suction rate (max): 116 l/min  
 Air consumption (during evac.):  
 190 l/min  
 Control: Normally closed  
 Shape: With blow-off system  
 with: electronic vacuum switch

### Design Data



Attribute	Value
B	22 mm
d	5.5 mm
G1	G1/4"-F
G2	G3/8"-F
H	54 mm
H1	167 mm
H2	58.5 mm
H3	20.1 mm
L	112.5 mm
L1	129 mm
L2	37.5 mm
X1	49.5 mm
X2	69.5 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
Y1	12 mm

## Technical Data

Attribute	Value
Nozzle diameter	2 mm
Degree of evacuation	85 %
Suction rate (max)	116 l/min
Suction rate (max)	7 m <sup>3</sup> /h
Air consumption (during evac.)	190 l/min
Air consumption (during evac.)	11.4 m <sup>3</sup> /h
Air consumption (blow off) (max)	220 l/min
Noise level (workp. gripped)	76 dB
Noise level (free)	78 dB
Pressure range (operating pressure)	5.0 ... 6.0 bar
Int. hose diameter (recom.) comp.-air	4 mm
Int. hose diameter (recom.) vacuum side	9 mm
Ambient temperature	0 ... 45 °C
Control	Normally closed
Pressure range (operating pressure)	72.5 ... 87.0 psi
Suction rate (max)	4.096 cfm
Air consumption (during evac.)	6.709 cfm
Air consumption (blow off)	7.769 cfm
Product family	SMP

### 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 50.5x21x53.5 SMP15/20**

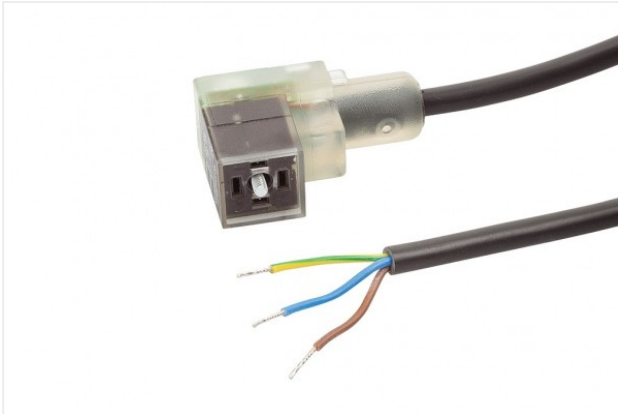
Part no. 10.02.02.00651  
Silencer for vacuum generators  
Length L: 50.5 mm  
Width B: 21 mm  
Height H: 53.5 mm  
for: Compact ejectors SMP



### **FILT-EINS 14x49 PE-POR SCP-SMP**

Part no. 10.02.02.00654  
Filter insert (round)  
External diameter D: 14 mm  
Length L: 49 mm  
Filter material: Polyethylene  
for: Compact ejectors

## Accessories



**ASK B-Form-C 5000 K-3P**

Part no. 21.04.06.00084

Connection cable

Interface Connection 1:

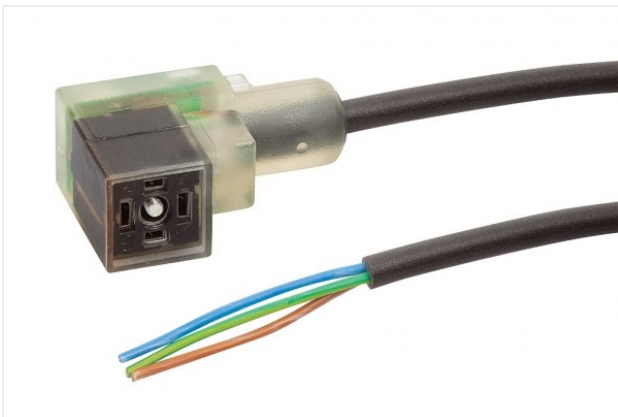
Fem connect Form C

Cable length: 5000 mm

Interface Connection 2: Cable 3

Material: PVC-Cable

Shape: LED display



**ASK 10000 K-3P**

Part no. 21.04.06.00118

Connection cable

Cable length: 10000 mm

Interface Connection 2: Cable 3

Material: PUR-Cable

Shape: LED display



**ASS B-C SK**

Part no. 21.04.06.00085

Connection plug

Interface Connection 1:

Socket DIN 175301-803A

Electrical connection: Screw contact



**ASK B-M8-4 5000 K-4P**

Part no. 10.06.02.00031

Connection cable

Interface Connection cable:

Fem connect M8, 4 pol

Cable length: 5000 mm

Interface Connection cable: Cable 4

Material: PUR-Cable



**ASK WB-M8-4 5000 K-4P**

Part no. 10.06.02.00032

Connection cable

Interface Connection cable:

Elbow fem con M8, 4 pol

Cable length: 5000 mm

Interface Connection cable: Cable 4

Material: PUR-Cable