

Art.-Nr.: 10.02.02.07516



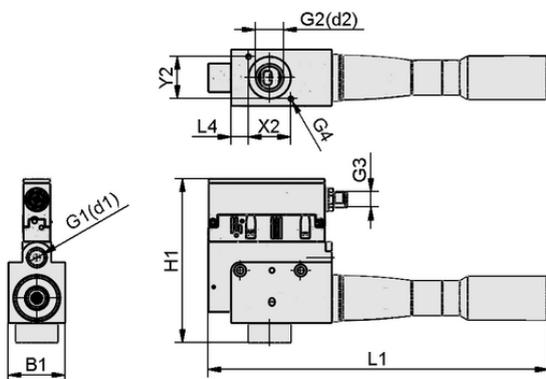
SCPSc-L HV 3-16 NC M12-5 PNP

Technical data

| | |
|---|-------------------|
| Construction vacuum switch | PNP switching |
| Electrical connection | M12-5 |
| Protection type IP | IP 65 (with plug) |
| Nozzle size | 3-16 |
| Sound pressure level free | 80.0 dB(A) |
| Air consumption suction | 102.0 l/min |
| Suction rate (max.) | 227.0 l/min |
| Connection | G1/4" |
| Pressure range (operating pressure) [bar] | 4.0 ... 6.0 bar |
| Shape | High vacuum |
| Control valve | Normally closed |

Compact ejector SCPSc-L / SCPSc-L / SCPSc-L is delivered as a ready-to-connect product (without connection cable).

Available accessories: connection cable, ejector module, silencer, filter



Design data SCPSc-L HV 3-16 NC M12-5 PNP

Design data

| | |
|-----------------|-----------|
| Length L1 | 230.00 mm |
| Width B1 | 37.50 mm |
| Height H1 | 109.00 mm |
| Thread G1 | G1/4"-F |
| Thread G2 | G1/2"-F |
| Length L4 | 11.50 mm |
| Hole spacing Y2 | 28.0 mm |
| Hole spacing X2 | 28.0 mm |
| Thread G4 | M4-F |
| Thread G3 | M12x1-M |

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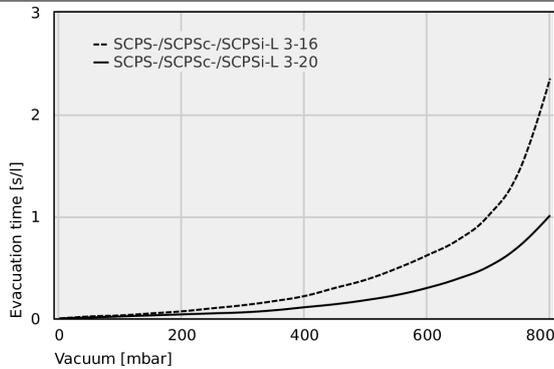
| | |
|---|-------------------------|
| Nozzle diameter | 1.6 mm |
| Construction vacuum switch | PNP switching |
| Electrical connection | Male connect M12, 5 pol |
| Protection type IP | IP 65 (with plug) |
| Recommended hose internal diameter compressed air | 6.0 mm |
| Recommended hose internal diameter vacuum | 12.0 mm |
| Degree of evacuation | 90.0 % |
| Weight | 460.00 g |
| Max. air consumption blow-off | 257.0 l/min |
| Air consumption suction | 6.100 m ³ /h |
| Suction rate (max.) | 227.0 l/min |
| Pressure range (operating pressure) [bar] | 4.0 ... 6.0 bar |
| Operating temperature | 0 ... 50 °C |
| Product family | SCPSc-L |
| Nozzle size | 3-16 |
| Control valve | Normally closed |



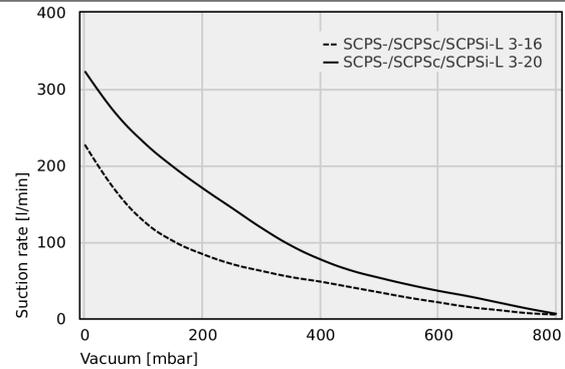
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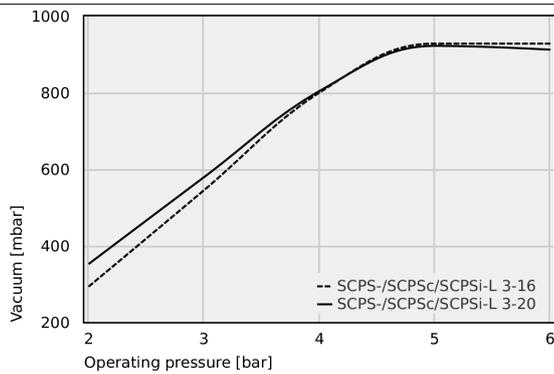
Performance data



Evacuation time for various vacuum ranges [s/l]



Suction rate at various degrees of evacuation [l/min]



Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]

| | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| SCPSc-/SCPSc-/SCPSc-L 3-16 | 0.00 | 0.02 | 0.03 | 0.05 | 0.07 | 0.10 | 0.13 | 0.17 | 0.22 | 0.30 | 0.38 | 0.49 | 0.62 | 0.77 | 1.01 | 1.45 | 2.35 |
| SCPSc-/SCPSc-/SCPSc-L 3-20 | 0.00 | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.08 | 0.11 | 0.14 | 0.18 | 0.23 | 0.30 | 0.39 | 0.51 | 0.71 | 1.01 |



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**Suction rate at various degrees of evacuation [l/min]**

| | 0 | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 | 500 | 550 | 600 | 650 | 700 | 750 | 800 |
|--------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SCPSc-/ SCPSc/ SCPSc-L 3-16 | 227 | 169 | 127 | 101 | 84 | 71 | 62 | 54 | 48 | 41 | 34 | 27 | 21 | 15 | 11 | 7 | 5 |
| SCPSc-/ SCPSc/ SCPSc-L 3-20 | 323 | 270 | 230 | 198 | 170 | 144 | 118 | 95 | 77 | 63 | 53 | 44 | 36 | 29 | 21 | 13 | 6 |

**Achievable vacuum at various operating pressures**

| | 2 | 3 | 4 | 5 | 6 |
|---------------------------|-----|-----|-----|-----|-----|
| SCPSc-/SCPSc/SCPSc-L 3-16 | 293 | 545 | 800 | 928 | 928 |
| SCPSc-/SCPSc/SCPSc-L 3-20 | 352 | 579 | 804 | 922 | 912 |

**Ordering Data Accessories 10.02.02.07516**

| Typ | | Item number |
|----------------------|--------------------------|----------------|
| Connection cable | ASK B-M12-5 5000 K-5P | 21.04.05.00080 |
| Connection cable | ASK B-M12-5 2000 S-M12-5 | 21.04.05.00211 |
| Silencer (round) | SD 29x70 SHC 22 | 10.02.01.01517 |
| Silencer (round) | SD 29x121.5 SHC 22 | 10.02.01.01831 |
| Plug union, straight | STV-GE G1/2-AG 14 | 10.08.02.00300 |
| Vacuum cup filter | VFT G1/2-IG 100 | 10.07.01.00126 |

**Ordering Data Spare Parts 10.02.02.07516**

| Typ | | Item number |
|--------------------|--------------------|----------------|
| Ejector module | SEP HV 3 16 22 | 10.02.01.01397 |
| Schmalz Holder Cap | SHC 3 22 | 10.02.01.01514 |
| Silencer (round) | SD 29x70 SHC 22 | 10.02.01.01517 |
| Silencer (round) | SD 29x121.5 SHC 22 | 10.02.01.01831 |

