

Art.-Nr.: 10.02.02.03342



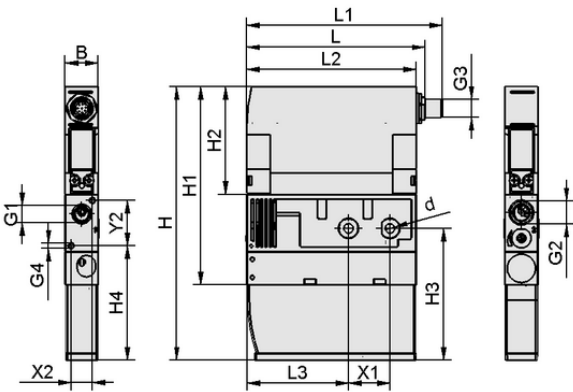
SCPi 15 NO VD M12-5

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

Available accessories: connection cable, connection distributor, compressed air connection plate, ejector blanking plate, quick change Connection (Adapter Quick Change), ejector tester

## Technical data

| Attribute                                 | Value                   |
|-------------------------------------------|-------------------------|
| Nozzle diameter                           | 1.5 mm                  |
| Electrical connection                     | Male connect M12, 5 pol |
| Protection type IP                        | IP 65                   |
| Max. vacuum                               | -850 mbar               |
| Air consumption suction                   | 115.0 l/min             |
| Suction rate (max.)                       | 75.0 l/min              |
| Pressure range (operating pressure) [bar] | 4.0 ... 7.0 bar         |
| Control valve                             | Normally open           |
| Functionality of the ejector              | digital vacuum switch   |



Design data SCPi 15 NO VD M12-5

## Design data

| Attribute           | Value     |
|---------------------|-----------|
| Length L1           | 129.70 mm |
| Length L2           | 112.50 mm |
| Length L            | 118.50 mm |
| Width B             | 22.00 mm  |
| Height H1           | 131.50 mm |
| Height H2           | 71.50 mm  |
| Height H            | 181.50 mm |
| Internal diameter d | 6.60 mm   |
| Thread G1           | G1/4"-F   |
| Thread G2           | G3/8"-F   |

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**Technical data**

| Attribute                                         | Value          |
|---------------------------------------------------|----------------|
| Nozzle diameter                                   | 1.5 mm         |
| Recommended hose internal diameter compressed air | 6.0 mm         |
| Recommended hose internal diameter vacuum         | 6.0 mm         |
| Degree of evacuation                              | 85.0 %         |
| Sound pressure level free                         | 75.0 dB(A)     |
| Weight                                            | 0.560 kg       |
| Max. air consumption blow-off                     | 200.0 l/min    |
| Air consumption suction                           | 4.061 cfm      |
| Suction rate (max.)                               | 2.648 cfm      |
| Pressure range (operating pressure) [bar]         | 58.0 ... 101.5 |
| Operating temperature                             | 0 ... 50 °C    |
| Max. vacuum                                       | -25.100 inHg   |
| Product family                                    | SCPi           |
| Control valve                                     | Normally open  |

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



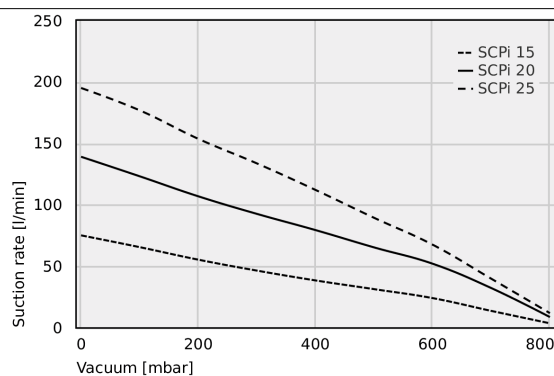
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**Performance data**

Achievable vacuum at various operating pressures



Evacuation time for various vacuum ranges [s/l]



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

**Achievable vacuum at various operating pressures**

|             | 2   | 3   | 4   | 5   | 6   |
|-------------|-----|-----|-----|-----|-----|
| SCPi / SMPi | 350 | 610 | 800 | 890 | 850 |



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**Evacuation time for various vacuum ranges [s/l]**

|              | 0    | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  |
|--------------|------|------|------|------|------|------|------|------|------|
| SCPi/SMPi 15 | 0.03 | 0.07 | 0.16 | 0.27 | 0.42 | 0.63 | 0.91 | 1.37 | 2.60 |
| SCPi/SMPi 20 | 0.02 | 0.04 | 0.08 | 0.14 | 0.22 | 0.31 | 0.44 | 0.66 | 1.54 |
| SCPi/SMPi 25 | 0.01 | 0.02 | 0.05 | 0.09 | 0.14 | 0.20 | 0.28 | 0.42 | 0.86 |

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

|         | 0     | 100   | 200   | 300   | 400   | 500  | 600  | 700  | 800  |
|---------|-------|-------|-------|-------|-------|------|------|------|------|
| SCPi 15 | 75.0  | 65.4  | 55.2  | 46.3  | 38.3  | 31.2 | 23.9 | 13.5 | 3.4  |
| SCPi 20 | 139.0 | 123.1 | 106.8 | 92.5  | 79.3  | 65.2 | 51.9 | 32.1 | 8.5  |
| SCPi 25 | 195.0 | 176.8 | 153.6 | 133.6 | 112.0 | 89.3 | 67.4 | 39.7 | 11.7 |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.02.02.03342](http://www.schmalz.com/10.02.02.03342)**Ordering Data Accessories 10.02.02.03342**

| Typ                             |                                   | Item number    |
|---------------------------------|-----------------------------------|----------------|
| Connection cable                | ASK B-M12-5 5000 K-5P             | 21.04.05.00080 |
| Distributor                     | ASV SM/CPi B-M12-5 3xS-M12-4      | 10.02.02.03372 |
| Distributor                     | ASV SM/CPi B-M12-5 2xS-M12-4      | 10.02.02.03490 |
| Compressed-air connection plate | GP 2 SMP 15..30/SCP 20..30        | 10.02.02.00917 |
| Compressed-air connection plate | GP 3 SMP 15..25/SCP 20..25        | 10.02.02.00918 |
| Compressed-air connection plate | GP 4 SMP 15..20/SCP 20            | 10.02.02.00919 |
| Compressed-air connection plate | GP 5 SMP 15                       | 10.02.02.00920 |
| Compressed-air connection plate | GP 6 SMP 15                       | 10.02.02.00921 |
| Ejector blanking plate          | EJEK-PL SMP(i)15..30/SCP(i)20..30 | 10.02.02.00728 |
| Adapter Quick Change            | ADP-Q 90.5x22x29.7 SMPi/SCPi      | 10.02.02.03463 |
| Ejector tester                  | EJEK-TEST SMPi/SCPi               | 10.02.02.03588 |
| Vacuum cup filter               | VFT G1/4-IG 80                    | 10.07.01.00119 |

**Ordering Data Spare Parts 10.02.02.03342**

| Typ                    |                        | Item number    |
|------------------------|------------------------|----------------|
| Silencer (cube-shaped) | SD 111x21x45 SMPi/SCPi | 10.02.02.03381 |



Compact ejector

## SCPi 15 NO VD M12-5



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**Ordering Data Wear Parts 10.02.02.03342**

| Typ                                  |               | Item number    |
|--------------------------------------|---------------|----------------|
| Set of parts subject to wear ejector | VST SMPI/SCPI | 10.02.02.99965 |
| Set of wearing parts ejector         | VST SCPI-ERW  | 10.02.02.99963 |



[WWW.SCHMALZ.COM/10.02.02.03342](http://WWW.SCHMALZ.COM/10.02.02.03342)