

Art.-Nr.: 10.02.02.03786



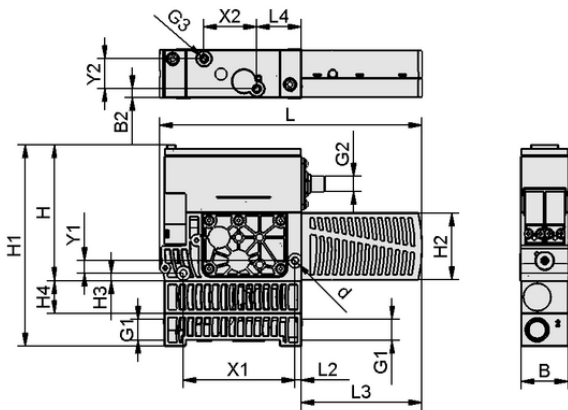
SXPi 25 NC H 2xM12-5

### Technical data

| Attribute                                 | Value                  |
|-------------------------------------------|------------------------|
| Nozzle diameter                           | 2.5 mm                 |
| Electrical connection                     | 2xConnect M12, 5+5 pol |
| Protection type IP                        | IP 65                  |
| Max. vacuum                               | 850 mbar               |
| Sound pressure level free                 | 67.0 dB(A)             |
| Air consumption suction                   | 290.0 l/min            |
| Suction rate (max.)                       | 185.0 l/min            |
| Communication                             | IO-Link (Class A)      |
| Pressure range (operating pressure) [bar] | 3.0 ... 6.0 bar        |
| Control valve                             | Normally closed        |

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

Available spare parts: connection cable, base plate, ejector tester



Design data SXPi 25 NC H 2xM12-5

### Design data

| Attribute           | Value     |
|---------------------|-----------|
| Length L2           | 5.00 mm   |
| Length L            | 210.00 mm |
| Width B2            | 6.80 mm   |
| Width B             | 39.00 mm  |
| Height H1           | 134.00 mm |
| Height H2           | 54.00 mm  |
| Height H            | 108.00 mm |
| Internal diameter d | 5.50 mm   |
| Thread G1           | G3/8"-F   |
| Thread G2           | M12x1-M   |

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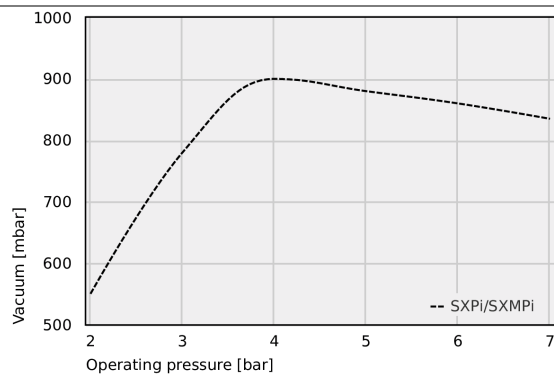
**Technical data**

| Attribute                                         | Value           |
|---------------------------------------------------|-----------------|
| Nozzle diameter                                   | 2.5 mm          |
| Recommended hose internal diameter compressed air | 8.0 mm          |
| Recommended hose internal diameter vacuum         | 9.0 mm          |
| Degree of evacuation                              | 85.0 %          |
| Sound pressure level free                         | 67.0 dB(A)      |
| Weight                                            | 0.770 kg        |
| Max. air consumption blow-off                     | 200.0 l/min     |
| Air consumption blow-off                          | 7.062 cfm       |
| Air consumption suction                           | 10.241 cfm      |
| Suction rate (max.)                               | 6.533 cfm       |
| Pressure range (operating pressure) [bar]         | 43.5 ... 87.0   |
| Operating temperature                             | 0 ... 50 °C     |
| Product family                                    | SXPi            |
| Control valve                                     | Normally closed |

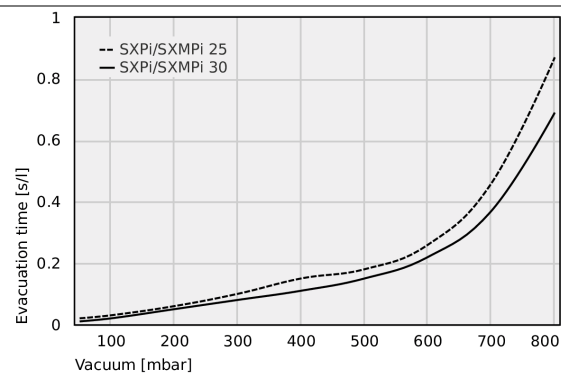
Note: The supply voltage for vacuum switches and solenoid valves is 24V DC Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m



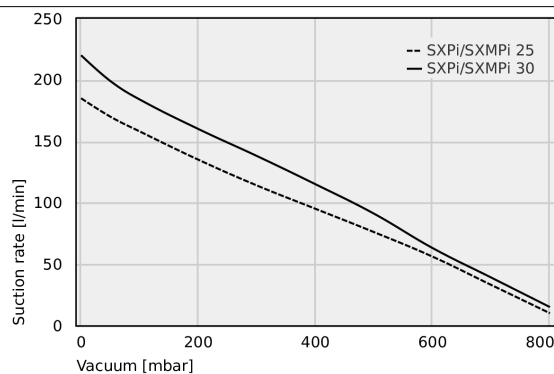
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**Performance data**

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      | 7      |
|------------|--------|--------|--------|--------|--------|--------|
| SXPi/SXMPi | 550.00 | 780.00 | 900.00 | 880.00 | 860.00 | 835.00 |

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

|               | 50   | 100  | 200  | 300  | 400  | 500  | 600  | 700  | 800  |
|---------------|------|------|------|------|------|------|------|------|------|
| SXPi/SXMPi 25 | 0.02 | 0.03 | 0.06 | 0.10 | 0.15 | 0.18 | 0.26 | 0.46 | 0.87 |
| SXPi/SXMPi 30 | 0.01 | 0.02 | 0.05 | 0.08 | 0.11 | 0.15 | 0.22 | 0.37 | 0.69 |



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

|               | 0      | 50     | 100    | 200    | 300    | 400    | 500   | 600   | 700   | 800   |
|---------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| SXPi/SXMPi 25 | 185.00 | 170.00 | 158.00 | 135.00 | 114.00 | 95.00  | 76.00 | 56.00 | 33.00 | 10.00 |
| SXPi/SXMPi 30 | 220.00 | 199.00 | 184.00 | 160.00 | 138.00 | 115.00 | 91.00 | 63.00 | 39.00 | 15.00 |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.02.02.03786](http://www.schmalz.com/10.02.02.03786)**Ordering Data Accessories 10.02.02.03786**

| Typ              | Item number                          |
|------------------|--------------------------------------|
| Connection cable | ASK B-M12-5 5000 K-5P 21.04.05.00080 |

**Ordering Data Spare Parts 10.02.02.03786**

| Typ                    | Item number                           |
|------------------------|---------------------------------------|
| Silencer (cube-shaped) | SD 96x54x40 SXPi/SXMPi 10.02.02.02124 |

**Ordering Data Wear Parts 10.02.02.03786**

| Typ                                  | Item number                      |
|--------------------------------------|----------------------------------|
| Set of parts subject to wear ejector | VST SXPi-15-30-SD 10.02.02.04283 |

