

Art.-Nr.: 10.02.02.05295



SXMPi 25 NC Q PC M12-5

The compact ejector SXMPi Class B is supplied as a product ready for connection (without connection cable).

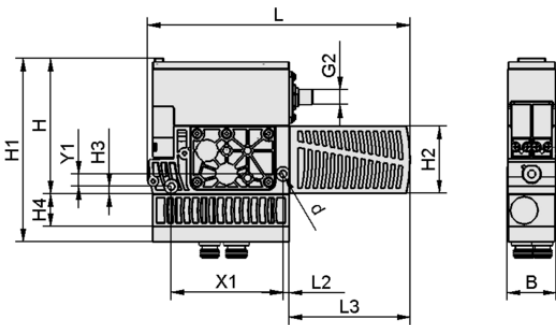
Available accessories: connection cable, base plate, ejector tester

## Technical data

| Attribute                                 | Value                   |
|-------------------------------------------|-------------------------|
| Nozzle diameter                           | 2.5 mm                  |
| Electrical connection                     | Male connect M12, 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 B)       |
| Pressure range (operating pressure) [bar] | 3.0 ... 6.0 bar         |
| Control valve                             | Normally closed         |

## Design data

| Attribute           | Value     |
|---------------------|-----------|
| Length L2           | 5.00 mm   |
| Length L            | 210.00 mm |
| Width B             | 39.00 mm  |
| Height H1           | 146.00 mm |
| Height H2           | 54.00 mm  |
| Height H            | 108.00 mm |
| Internal diameter d | 5.50 mm   |
| Thread G2           | M12x1-M   |
| Length L3           | 97.00 mm  |
| Height H3           | 6.00 mm   |



Design data SXMPi 25 NC Q PC M12-5



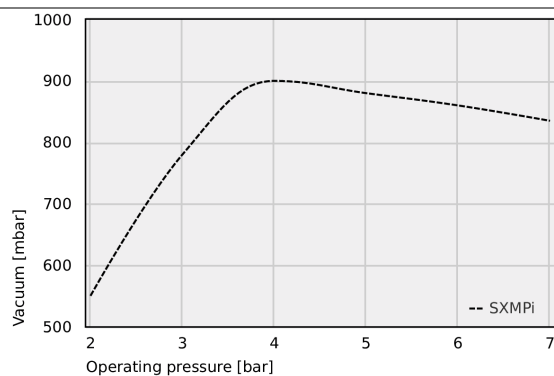
Art.-Nr.: 10.02.02.05295

**Technical data**

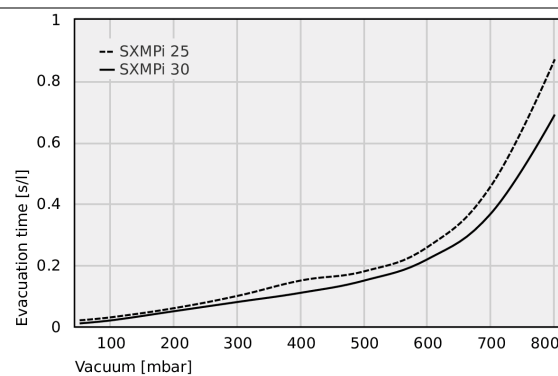
| Attribute                                         | Value           |
|---------------------------------------------------|-----------------|
| Nozzle diameter                                   | 2.5 mm          |
| Recommended hose internal diameter compressed air | 8.0 mm          |
| Recommended hose internal diameter vacuum         | 9.0 mm          |
| Degree of evacuation                              | 85.0 %          |
| Sound pressure level free                         | 67.0 dB(A)      |
| Weight                                            | 0.960 kg        |
| Max. air consumption blow-off                     | 320.0 l/min     |
| Air consumption blow-off                          | 11.300 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                                    | SXMPi           |
| Control valve                                     | Normally closed |



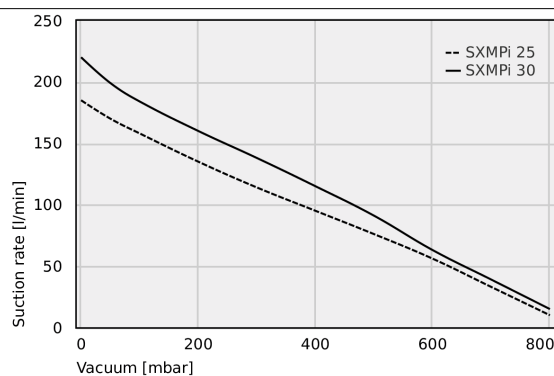
Art.-Nr.: 10.02.02.05295

**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      |
|-------|--------|--------|--------|--------|--------|--------|
| 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  |
|----------|------|------|------|------|------|------|------|------|------|
| SXMPi 25 | 0.02 | 0.03 | 0.06 | 0.10 | 0.15 | 0.18 | 0.26 | 0.46 | 0.87 |
| SXMPi 30 | 0.01 | 0.02 | 0.05 | 0.08 | 0.11 | 0.15 | 0.22 | 0.37 | 0.69 |



Art.-Nr.: 10.02.02.05295

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

|          | 0   | 50  | 100 | 200 | 300 | 400 | 500 | 600 | 700 | 800 |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| SXMPi 25 | 185 | 170 | 158 | 135 | 114 | 95  | 76  | 56  | 33  | 10  |
| SXMPi 30 | 220 | 199 | 184 | 160 | 138 | 115 | 91  | 63  | 39  | 15  |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.02.02.05295](http://www.schmalz.com/10.02.02.05295)**Ordering Data Accessories 10.02.02.05295**

| Typ              |                          | Item number    |
|------------------|--------------------------|----------------|
| Connection cable | ASK B-M12-5 5000 S-M12-5 | 21.04.05.00266 |
| Connection cable | ASK B-M12-5 2000 S-M12-5 | 21.04.05.00211 |
| Connection cable | ASK B-M12-5 5000 K-5P    | 21.04.05.00080 |

