

Art.-Nr.: 10.02.02.04024



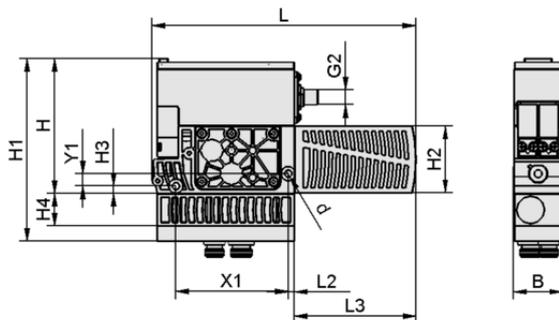
SXMPi 25 NC Q PC 2xM12-5

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

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

Technical data

| | |
|---|------------------------|
| 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 |
| Functionality of the ejector | Pressure Control |



Design data SXMPi 25 NC Q PC 2xM12-5

Design data

| | |
|---------------------|-----------|
| 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 |
| Height H4 | 26.00 mm |
| Hole spacing Y1 | 10.0 mm |
| Hole spacing X1 | 89.0 mm |



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**Technical data**

| | |
|---|-----------------|
| 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] | 3.0 ... 6.0 bar |
| Operating temperature | 0 ... 50 °C |
| Pressure range (operating pressure) [psi] | 43.5 ... 87.0 |
| Product family | SXMPi |
| Control valve | Normally closed |

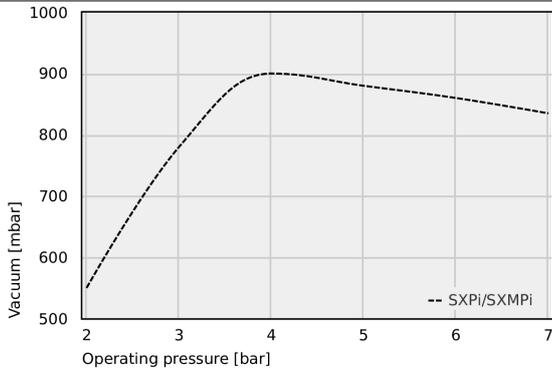
Note: The supply voltage for vacuum switches and solenoid valves is 24V DC Air consumption: At optimal operating pressure Hose diameter: For max. length 2 m



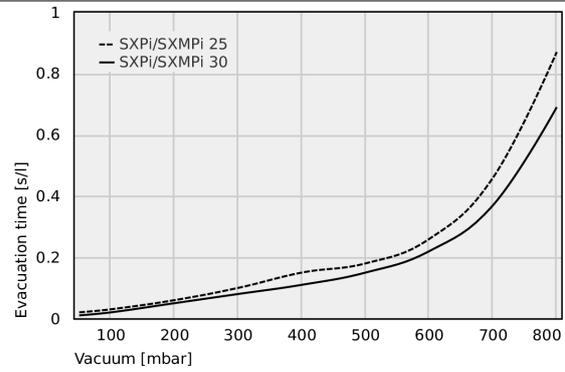
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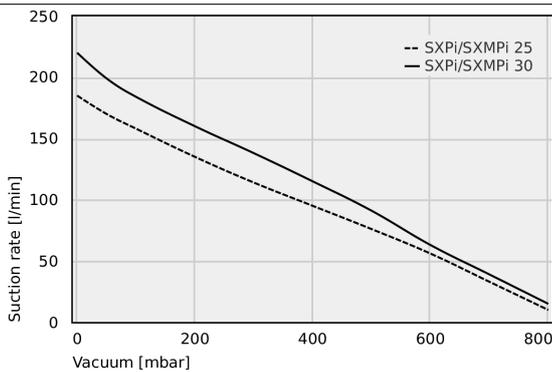
Performance data



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 |
|-------------------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| SXMPi/SXMPi 25 | 185.00 | 170.00 | 158.00 | 135.00 | 114.00 | 95.00 | 76.00 | 56.00 | 33.00 | 10.00 |
| SXMPi/SXMPi 30 | 220.00 | 199.00 | 184.00 | 160.00 | 138.00 | 115.00 | 91.00 | 63.00 | 39.00 | 15.00 |

**Ordering Data Accessories 10.02.02.04024**

| Typ | | Item number |
|------------------|----------------------------|----------------|
| Connection cable | ASK B-M12-5 5000 K-5P | 21.04.05.00080 |
| Basic plate | GPQ1 122x46x43 SXMPi/SXMPi | 10.02.02.02473 |
| Basic plate | GPQ2 122x87x48 SXMPi/SXMPi | 10.02.02.02154 |

**Ordering Data Wear Parts 10.02.02.04024**

| Typ | | Item number |
|------------------------------|--------------------|----------------|
| Set of wearing parts ejector | VST SXMPi-15-30-SD | 10.02.02.04543 |

