

Art.-Nr.: 10.03.01.00999



GSPc 100 2xM12-5 24V-DC

The smart vacuum pump GSP is delivered without a cable or power supply.

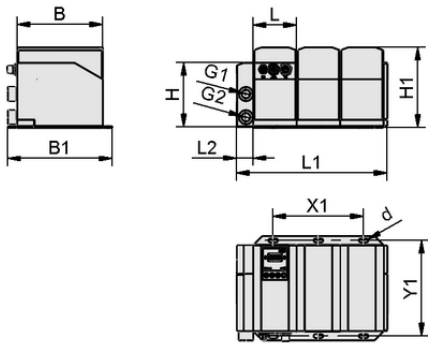
Available spare parts: silencer, wear part set

Available accessories: connection cable, filter, vibration dampers

## Technical data

| Attribute             | Value                  |
|-----------------------|------------------------|
| Electrical connection | 2xConnect M12, 2x5 pol |
| Protection type IP    | IP 54                  |
| Max. vacuum           | 800 mbar               |
| Suction rate (max.)   | 100.0 l/min            |
| Rated power           | 110.00 W               |
| Operating temperature | 0 ... 40 °C            |
| Voltage               | 24V - DC               |
| Rated current         | 4.6 A                  |
| Size                  | 100                    |

## Design data



| Attribute           | Value     |
|---------------------|-----------|
| Length L1           | 184.70 mm |
| Length L2           | 28.00 mm  |
| Length L            | 74.60 mm  |
| Width B1            | 180.00 mm |
| Width B             | 150.00 mm |
| Height H1           | 139.00 mm |
| Height H            | 111.00 mm |
| Internal diameter d | 6.40 mm   |
| Thread G1           | G3/8"-F   |
| Thread G2           | G3/8"-F   |
| Hole spacing Y1     | 165.0 mm  |
| Hole spacing X1     | 80.0 mm   |

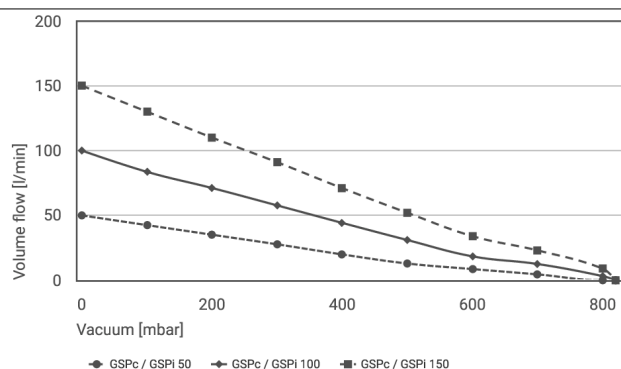
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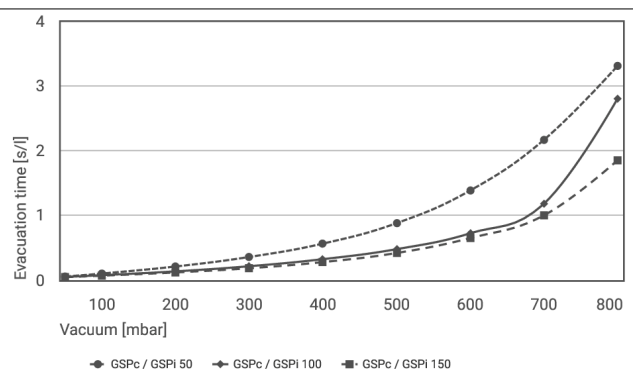
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**Technical data**

| Attribute             | Value                  |
|-----------------------|------------------------|
| Electrical connection | 2xConnect M12, 2x5 pol |
| Protection type IP    | IP 54                  |
| Max. vacuum           | 800 mbar               |
| Weight                | 4,020.00 g             |
| Suction rate (max.)   | 100.0 l/min            |
| Rated power           | 110.00 W               |
| Operating temperature | 0 ... 40 °C            |
| Voltage               | 24V - DC               |
| Rated current         | 4.6 A                  |

**Performance data**

Flow rate at various degrees of evacuation



Evacuation time for various vacuum ranges [s/l]

**Flow rate at various degrees of evacuation**

| Typ             | 0     | 100   | 200   | 300  | 400  | 500  | 600  | 700  | 800 | 820 |
|-----------------|-------|-------|-------|------|------|------|------|------|-----|-----|
| GSPc / GSPi 50  | 50.0  | 42.5  | 35.1  | 27.7 | 19.9 | 12.9 | 8.6  | 4.5  | 0.0 | 0.0 |
| GSPc / GSPi 100 | 100.0 | 83.6  | 71.1  | 57.7 | 44.2 | 31.0 | 18.4 | 12.5 | 3.2 | 0.0 |
| GSPc / GSPi 150 | 150.0 | 130.0 | 110.0 | 91.0 | 71.0 | 52.0 | 34.0 | 23.0 | 9.0 | 0.0 |



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

| Typ             | 50     | 100    | 200   | 300   | 400   | 500   | 600   | 700   | 800   |
|-----------------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| GSPc / GSPi 50  | 0.057  | 0.103  | 0.212 | 0.359 | 0.565 | 0.880 | 1.384 | 2.164 | 3.305 |
| GSPc / GSPi 100 | 0.051  | 0.078  | 0.137 | 0.216 | 0.325 | 0.479 | 0.724 | 1.180 | 2.800 |
| GSPc / GSPi 150 | 0.0480 | 0.0700 | 0.120 | 0.185 | 0.280 | 0.420 | 0.650 | 1.000 | 1.850 |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.03.01.00999](http://www.schmalz.com/10.03.01.00999)**Ordering Data Accessories 10.03.01.00999**

| Typ                  |                                | Item number    |
|----------------------|--------------------------------|----------------|
| Plug union, straight | STV-GE G3/8-AG 10              | 10.08.02.00252 |
| Plug union, straight | STV-GE G3/8-AG 12              | 10.08.02.00209 |
| Plug union, straight | STV-GE G3/8-AG 14              | 10.08.02.00211 |
| Vacuum hose (meter)  | VSL 10-7 PE MI-TR              | 10.07.09.00083 |
| Vacuum hose (meter)  | VSL 12-9 PU MI-TR              | 10.07.09.00037 |
| Vacuum hose (meter)  | VSL 14-11 PU MI-TR             | 10.07.09.00038 |
| Vacuum filter        | VF-10 G3/8-IG 50               | 10.07.01.00004 |
| Compact valve        | LQEI 8 24V-DC 3/2 IMP IOL-B    | 10.05.11.00014 |
| Vacuum cup filter    | VFT G1/4-IG 100                | 10.07.01.00120 |
| Accessories          | ZUB GCPi GUMMI-PUFF            | 10.03.01.00809 |
| Accessories          | ZUB GCPi GUMMI-PUFF            | 10.03.01.00810 |
| Power cable          | P-LEIT-LK S-M12-5 1.5m B-M12-5 | 21.04.05.00606 |
| Power cable          | P-LEIT-LK S-M12-5 3m B-M12-5   | 21.04.05.00607 |
| Power cable          | P-LEIT-LK B-M12-5 1.5m OK      | 21.04.05.00351 |
| Power cable          | P-LEIT-LK B-M12-5 5m OK        | 21.04.05.00352 |
| 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 G3/8-AG 20x56 SEG           | 10.02.01.00905 |

**Ordering Data Spare Parts 10.03.01.00999**

| Typ                           |                               | Item number    |
|-------------------------------|-------------------------------|----------------|
| Silencer insert (cube-shaped) | SD-EINS 120.5x21x20 GSP       | 10.03.01.00927 |
| Silencer insert (cube-shaped) | SD-EINS 120.5x21x30 GSP       | 10.07.01.00546 |
| Filter insert (round)         | FILT-EINS 50 28x51 PAP VF-3/8 | 10.07.01.00014 |



Smart Pump

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### Ordering Data Wear Parts 10.03.01.00999

| Typ                               |                         | Item number    |
|-----------------------------------|-------------------------|----------------|
| Set of parts subject to wear pump | VST GSP-100             | 10.03.01.01041 |
| Sieve, round                      | SIEB 14x2 A2 0.415/0.22 | 10.02.02.03377 |



[WWW.SCHMALZ.COM/10.03.01.00999](http://WWW.SCHMALZ.COM/10.03.01.00999)