

Art.-Nr.: 10.01.30.00469

**Technical data**

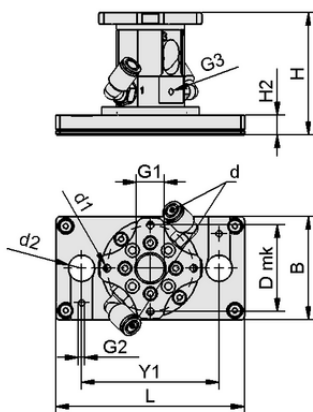
| Attribute              | Value               |
|------------------------|---------------------|
| Material               | Polyetheretherketon |
| Performance class      | E100                |
| Length L               | 100.00 mm           |
| Width B                | 55.00 mm            |
| Height H               | 65.00 mm            |
| Shape compact ejectors | Blow-off function   |
| Shape                  | Lateral exhaust air |
| Number of ejectors     | 1                   |

STGG S 100x55 1xE100 A PEEK

Thin glass gripper STGG is delivered assembled.

Gripper available in various dimensions with integrated vacuum generation (1xE100 or QCMV) or with connection for external vacuum generation (QCM)

Available accessories: exhaust air set, holder system, suction / damping module, floating suction cup module, flange plate

**Design data**

| Attribute            | Value     |
|----------------------|-----------|
| Length L             | 100.00 mm |
| Width B              | 55.00 mm  |
| Height H2            | 10.50 mm  |
| Height H             | 65.00 mm  |
| Internal diameter d1 | 4.0 mm    |
| d2                   | 14.0 mm   |
| Internal diameter d  | 6.00 mm   |
| Thread G1            | G3/8"-F   |
| Thread G2            | M4-F      |
| Dmk                  | 46.0 mm   |
| Hole spacing Y1      | 73.0 mm   |
| Thread G3            | M4-F      |

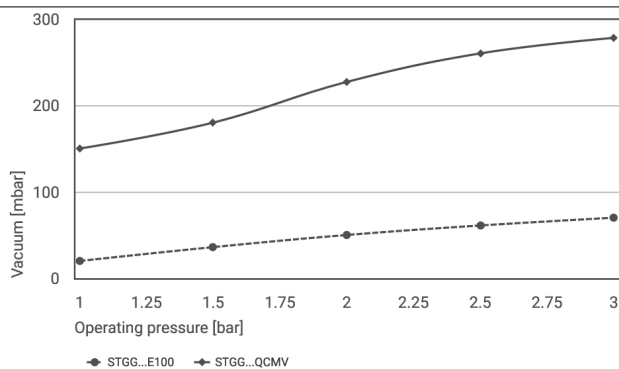
Design data STGG S 100x55 1xE100 A PEEK



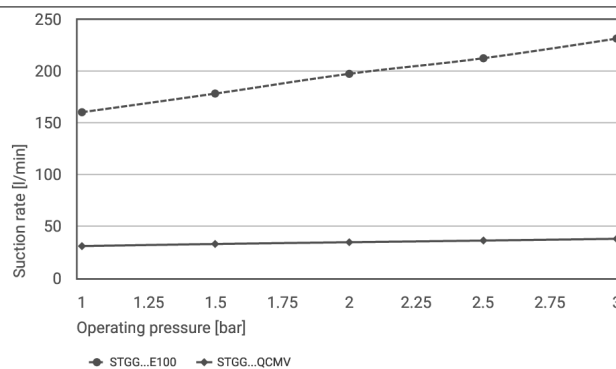
Art.-Nr.: 10.01.30.00469

**Technical data**

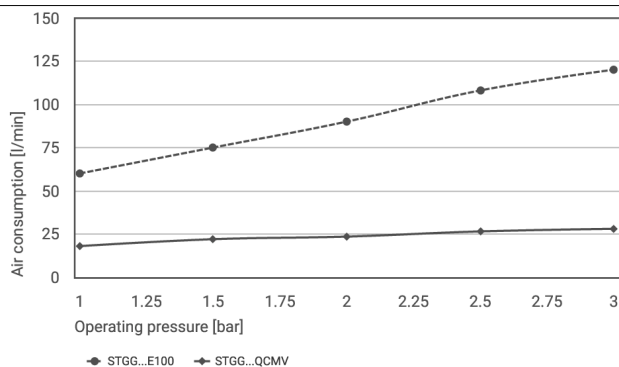
| Attribute                                 | Value             |
|-------------------------------------------|-------------------|
| Weight                                    | 215.00 g          |
| Pressure range (operating pressure) [bar] | 1.0 ... 3.0 bar   |
| Operating temperature                     | 5 ... 60 °C       |
| Air consumption                           | 60 ... 120 l/min  |
| Suction rate                              | 160 ... 235 l/min |
| Holding force                             | 4 ... 15 N        |
| Product family                            | STGG              |

**Performance data**

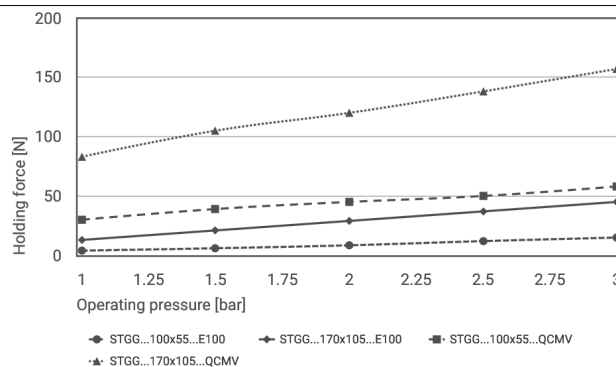
Achievable vacuum at various operating pressures



Suction rate at various degrees of evacuation



Air consumption



Holding force



Art.-Nr.: 10.01.30.00469

**Achievable vacuum at various operating pressures**

| Typ         | 1      | 1.5   | 2     | 2.5   | 3     |
|-------------|--------|-------|-------|-------|-------|
| STGG...E100 | 20.00  | 36.00 | 50.00 | 61.00 | 70.00 |
| STGG...QCMV | 150.00 | 180   | 227   | 260   | 278   |

**Suction rate at various degrees of evacuation**

| Typ         | 1      | 1.5    | 2      | 2.5    | 3      |
|-------------|--------|--------|--------|--------|--------|
| STGG...E100 | 160.00 | 178.00 | 197.00 | 212.00 | 231.00 |
| STGG...QCMV | 31     | 33     | 34.7   | 36.3   | 38     |

**Air consumption**

| Typ         | 1     | 1.5   | 2     | 2.5    | 3      |
|-------------|-------|-------|-------|--------|--------|
| STGG...E100 | 60.00 | 75.00 | 90.00 | 108.00 | 120.00 |
| STGG...QCMV | 18    | 22    | 23.5  | 26.5   | 28     |

**Holding force**

| Typ                   | 1     | 1.5   | 2     | 2.5   | 3     |
|-----------------------|-------|-------|-------|-------|-------|
| STGG...100x55...E100  | 4.00  | 6.00  | 8.50  | 12.00 | 15.00 |
| STGG...170x105...E100 | 13.00 | 21.00 | 29.00 | 37.00 | 45.00 |
| STGG...100x55...QCMV  | 30    | 39    | 45    | 50    | 58    |
| STGG...170x105...QCMV | 83    | 105   | 120   | 138   | 157   |

**Further documentation**CAD data and other documents relating to the article can be found at: [www.schmalz.com/10.01.30.00469](http://www.schmalz.com/10.01.30.00469)

Art.-Nr.: 10.01.30.00469

**Ordering Data Accessories 10.01.30.00469**

| Typ                         |                             | Item number    |
|-----------------------------|-----------------------------|----------------|
| Exhaust air set             | ABL-SET 14 SWG/SCG          | 10.01.30.00059 |
| Solenoid valve pressure     | EMV 1.5 24V-DC 3/2 NC K-2P  | 10.05.01.00288 |
| Solenoid valve pressure     | EMV 2.5 24V-DC 3/2 NC K-2P  | 10.05.01.00289 |
| Flange plate (round)        | FLAN-PL 55x7.5-AB1          | 10.01.30.00015 |
| Flange plate (round)        | FLAN-PL 55x7.5-EL1          | 10.01.30.00208 |
| Flange plate (round)        | FLAN-PL 55x9.5-JP1          | 10.01.30.00194 |
| Flange plate (round)        | FLAN-PL 63x10.5-AD1         | 10.01.30.00016 |
| Flange plate (round)        | FLAN-PL 63x11.5-UNI         | 10.01.30.00017 |
| Flange plate (round)        | FLAN-PL 80x12-ST1           | 10.01.30.00167 |
| Holder system               | HTR M12x1-IG SWGm           | 10.01.30.00119 |
| Holder system               | HTR M8x1-IG SWGm            | 10.01.30.00118 |
| Holder system               | HTR-UNI SWGm                | 10.01.30.00117 |
| Floating suction cup module | SB5m 14 90-3 4/2 90         | 10.01.01.13171 |
| Suction-/ Absorption module | SD-MOD 4 32x15x35 FG 9 SWGm | 10.01.30.00121 |

