

Vacuum gripping systems with foam / FGS-060 with fine pitch and calibrated holes



FGS-060-1000-F20-OT-06

- The FGS-060 series of vacuum gripping systems, in the version with foam, is a modular and versatile solution for handling different products with different sizes, shapes and porosity
- Integrated EJ-LARGE-HF-3 multistage cartridges for high suction flow rate and low energy consumption
- The version with calibrated holes is ideal in applications where objects with specific shapes and weights with a sealed surface (glass, sheet metal) need to be handled
- Suitable for working in any orientation (parallel or perpendicular to the gripping surface)



Technical features

| | |
|-------------------|---------------------|
| Max feed pressure | 0.6 MPa |
| Temperature range | 0 ÷ +50 °C |
| Weight | 3.5 kg |
| Material | Al, EPDM, NBR, PA12 |
| Noise level | 70 dB |

Suction flow rate

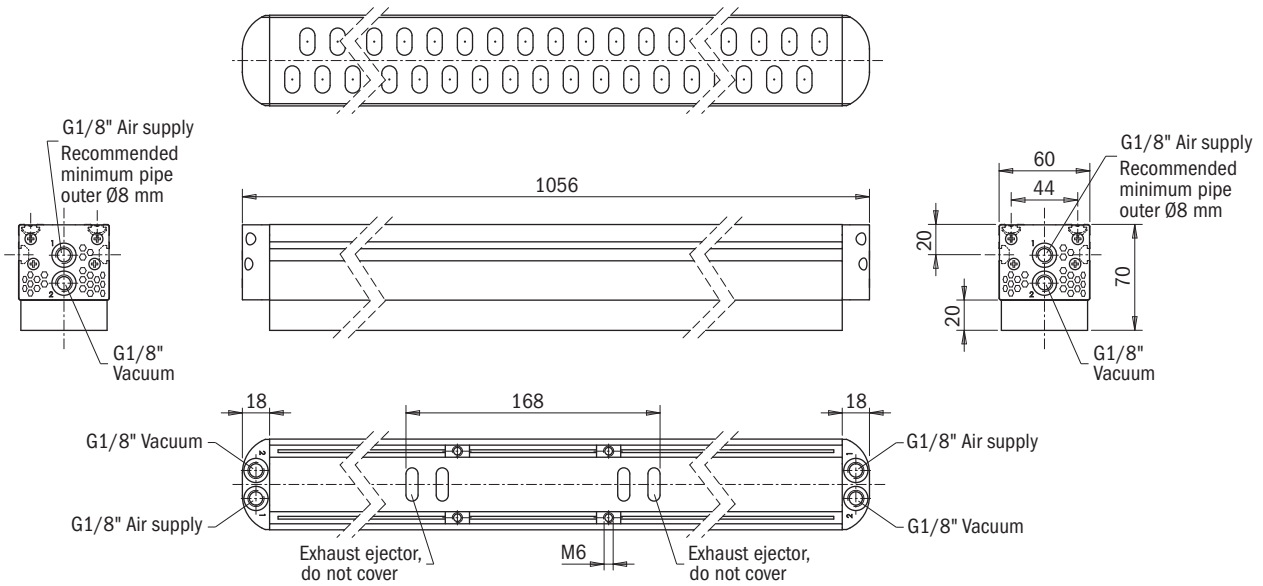
| Model | Feed pressure [MPa] | Air consumption [l/s] | Suction flow rate [l/s] at different vacuum levels [kPa] | | | | | | | | Max vacuum [kPa] |
|-------------------------------|------------------------|-----------------------------|--|-----|-----|-----|------|------|------|------|---------------------|
| | | | 0 | -10 | -20 | -30 | -40 | -50 | -60 | -70 | |
| FGS-060-1000-F20-OT-06-EJL4XX | 0.6 | 6.8 | 23.6 | 14 | 10 | 6.8 | 3.56 | 2.48 | 2.04 | 1.24 | -73 |

Gripping force

| Model | Gripping force [N] at different vacuum levels | | | | |
|------------------|---|---------|---------|---------|---------|
| | -30 kPa | -40 kPa | -50 kPa | -60 kPa | -70 kPa |
| FGS-060-1000-F20 | 472 | 629 | 783 | 940 | 1100 |

Theoretical gripping force on flat surface, with fully covered gripping surface, safety factor excluded
Standard foam thickness: 20 mm

| Identification codes | | |
|-------------------------------|--|------------|
| Alphanumeric code | Description | Order code |
| FGS-060-1000-F20-OT-06-EJL4XX | Vacuum gripping system with foam, 60x1000 mm, fine pitch, with 0.6 mm calibrated holes | 360061004 |



| Identification codes | | |
|----------------------|--|------------|
| Alphanumeric code | Spare parts | Order code |
| FGS-060-1000-F20-OT | Spare EPDM foam, 60x1000 mm, thickness 20 mm, fine pitch | 360012010 |

