

# Foam Gripper / FGS with fine pitch and calibrated holes



## FGS-120-1000

- The FGS-120 series of VACUUM FOAM GRIPPERS represents 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	7.41 kg
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

### Suction flow rate

Model	Feed pressure [MPa]	Air consumption [NI/s]	Suction flow rate [NI/s] at different vacuum levels [kPa]								Max vacuum [kPa]
			0	-10	-20	-30	-40	-50	-60	-70	
FGS-120-1000-F20-0T-06-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73

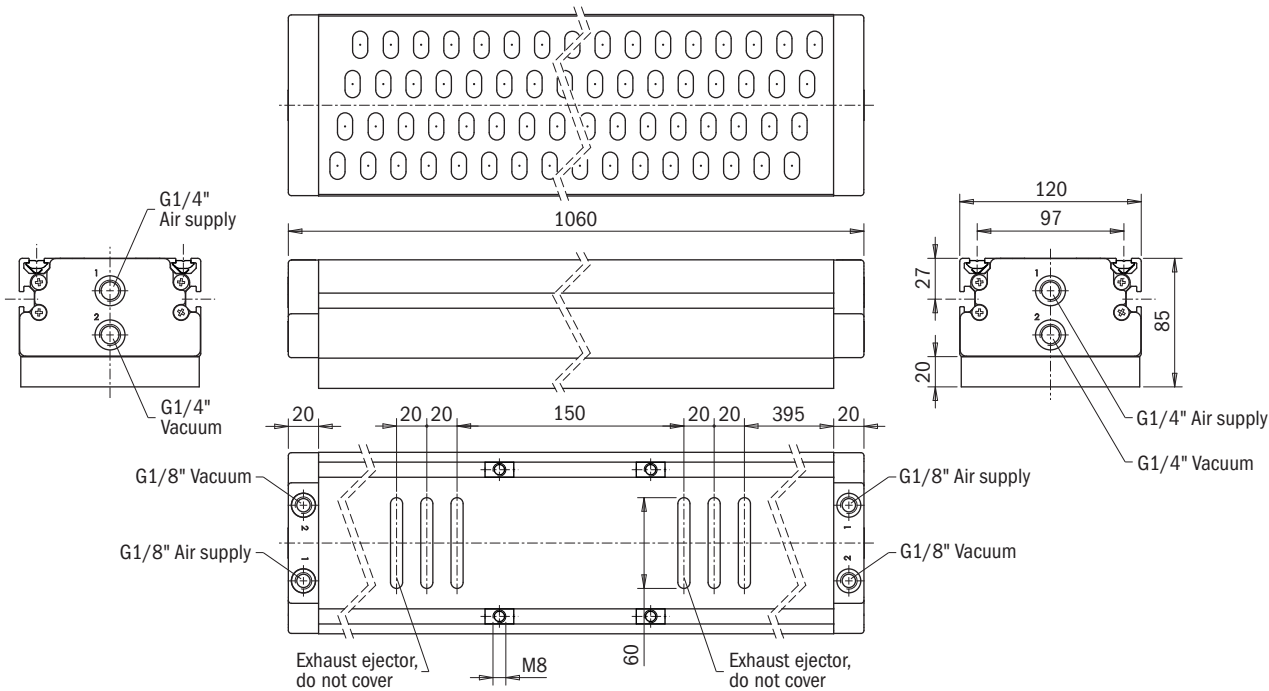
### Gripping force

Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-1000-F20	920	1230	1540	1843	2150

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-120-1000-F20-OT-06-EJL6XX	Foam Gripper (120x1000 mm), fine pitch, with 0.6 mm calibrated holes	353061006



**Identification codes**

Alphanumeric code	Spare parts	Order code
FGS-120-1000-F20-OT	Foam Gripper (120x1000 mm), 20 mm-thick foam, fine pitch	353012010

