

Foam Gripper / FGS with medium 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	7.4 kg
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

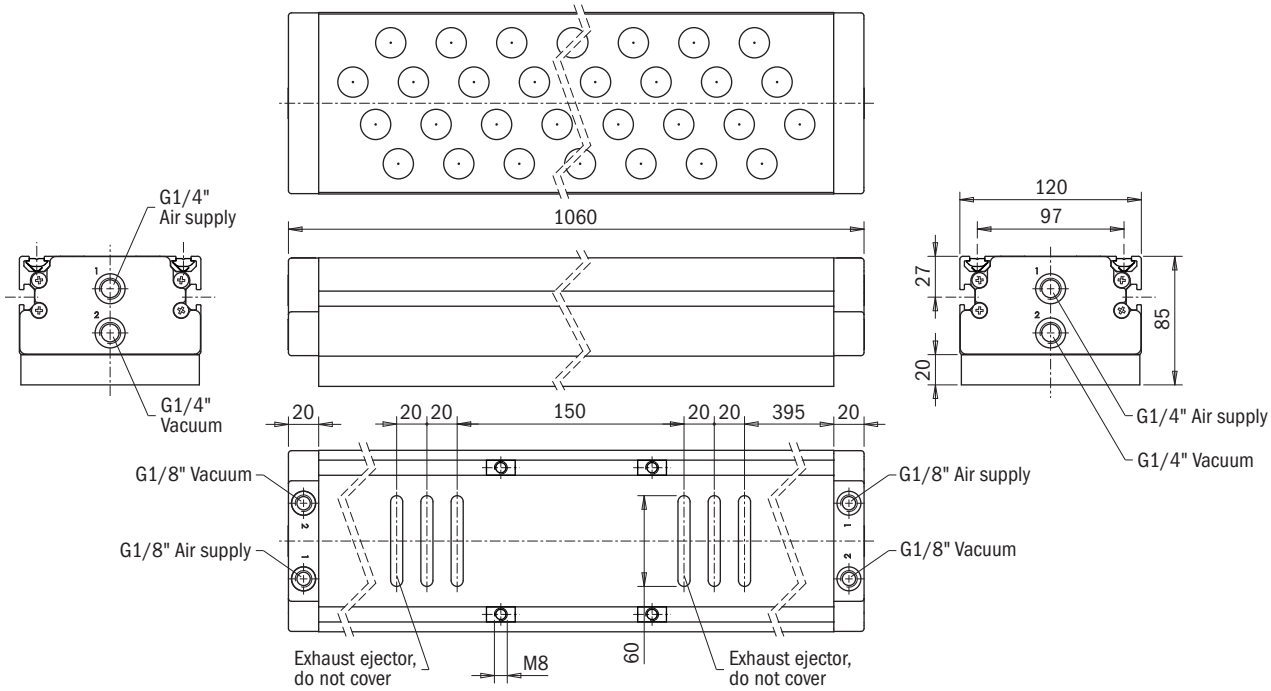
Suction flow rate											
Model	Feed pressure [MPa]	Air consumption [l/s]	Suction flow rate [l/s] at different vacuum levels [kPa]								Max vacuum [kPa]
			0	-10	-20	-30	-40	-50	-60	-70	
FGS-120-1000-F20-RM-08-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73

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-RM-08-EJL6XX	Foam Gripper (120x1000 mm), medium pitch, with 0.8 mm calibrated holes	353081006



Identification codes

Alphanumeric code	Spare parts	Order code
FGS-120-1000-F20-RM	Foam Gripper (120x1000 mm), 20 mm-thick foam, medium pitch	353022010

