

Foam Gripper / FGS with fine pitch and calibrated holes



FGS-120-0800

- 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	6.04 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-120-0800-F20-0T-06-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73

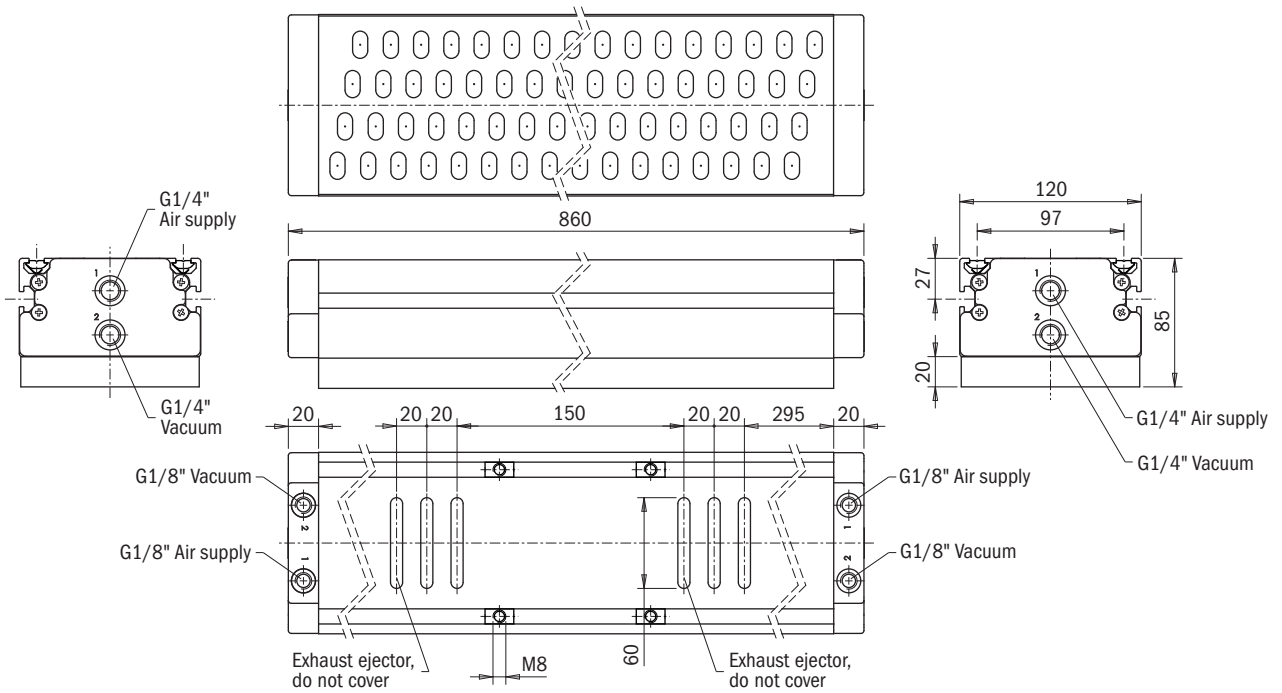
Gripping force

Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-0800-F20	730	981	1227	1472	1712

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-120-0800-F20-OT-06-EJL6XX	Foam Gripper (120x800 mm), fine pitch, with 0.6 mm calibrated holes	353060806



Identification codes

Alphanumeric code	Spare parts	Order code
FGS-120-0800-F20-OT	Foam Gripper (120x800 mm), 20 mm-thick foam, fine pitch	353012008

