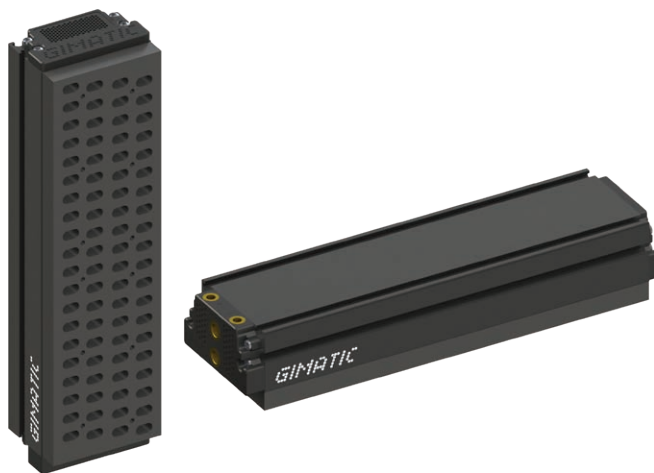


Foam Gripper / FGS with fine pitch and self-closing valves

FGS-120-0400

- 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 self-closing valves is ideal in applications where objects with different sizes/shapes need to be handled. It allows the user to work with smaller vacuum pumps, reducing consumption while maintaining a high level of vacuum, even when most of the gripper surface area is not engaged



Technical features	
Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	3.9 kg
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

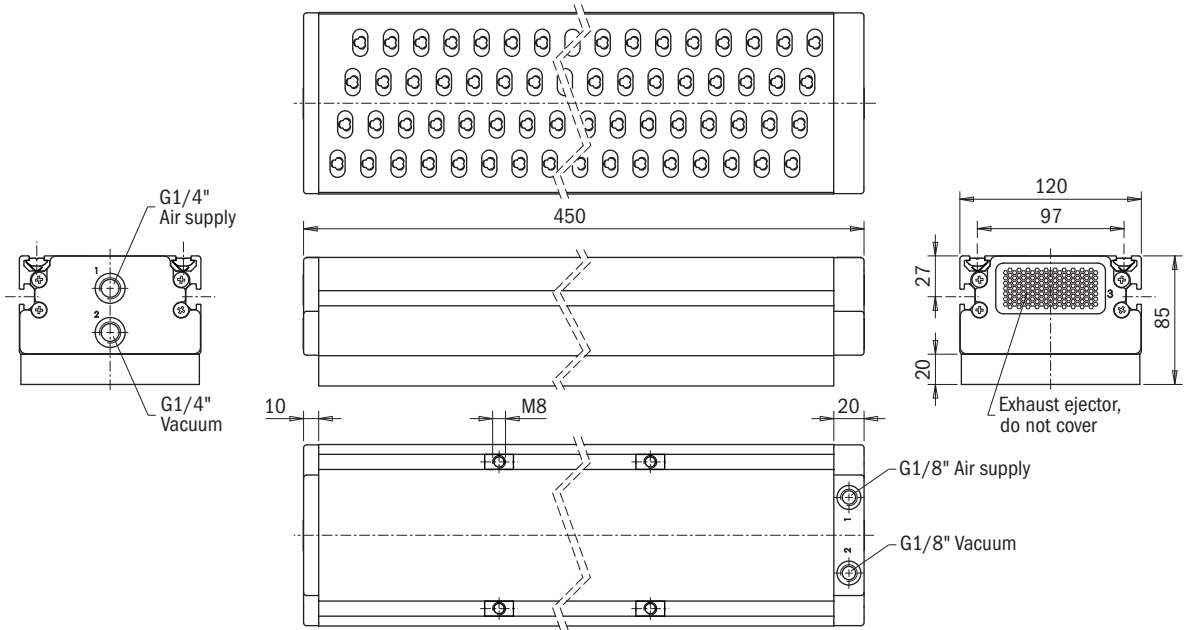
Suction flow rate											
Model	Feed pressure [MPa]	Air consumption [l/s]	Suction flow rate [l/s] at different vacuum levels [kPa]								Max vacuum [kPa]
			0	-10	-20	-30	-40	-50	-60	-70	
FGS-120-0400-F20-OT-VA-EJL3XX	0.6	5.1	17.7	10.5	7.5	5.1	2.67	1.86	1.53	0.93	-73
FGS-120-0400-F20-OT-VA-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73

Gripping force					
Model	Force at 30% vacuum	Force at 40% vacuum	Force at 50% vacuum	Force at 60% vacuum	Force at 70% vacuum
	[N]	[N]	[N]	[N]	[N]
FGS-120-0400-F20	350	475	600	715	840

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-120-0400-F20-OT-VA-EJL3XX	Foam Gripper (120x400 mm), fine pitch, self-closing valves	353010403
FGS-120-0400-F20-OT-VA-EJL4XX	Foam Gripper (120x400 mm), fine pitch, self-closing valves	353010404



Identification codes

Alphanumeric code	Spare parts	Order code
FGS-120-0400-F20-OT	Foam Gripper (120x400 mm), 20 mm-thick foam, fine pitch	353012004

