

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

## FGS-120-0200

- 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



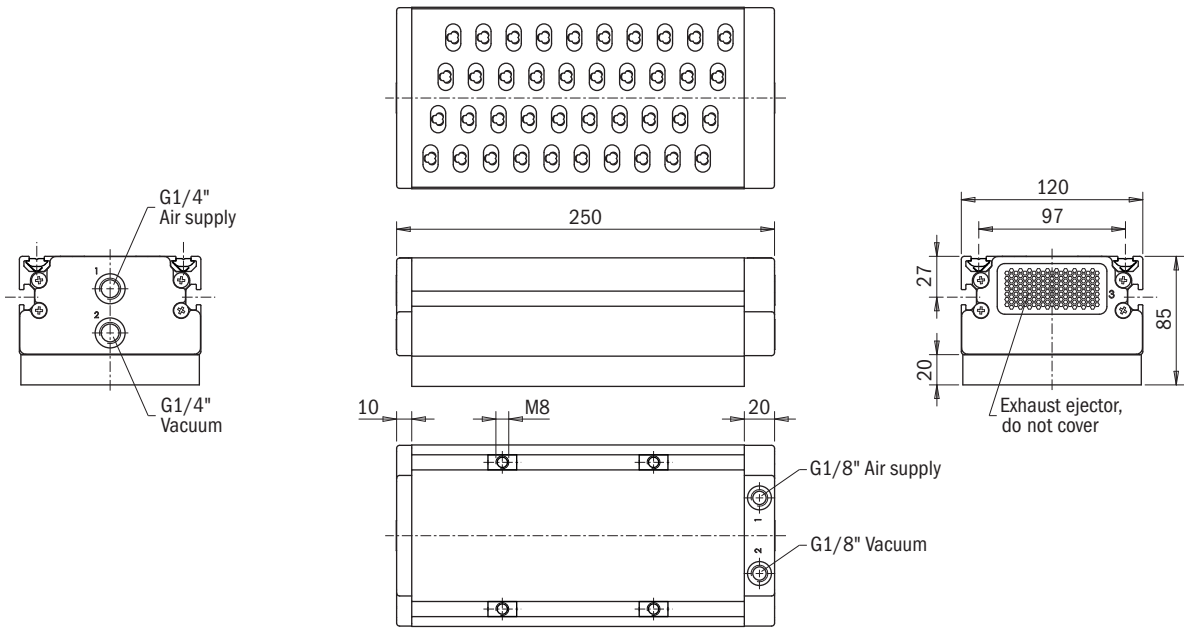
Technical features	
Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	2.15 kg
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

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-120-0200-F20-0T-VA-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73

Gripping force					
Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-0200-F20	175	220	278	335	395

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-120-0200-F20-OT-VA-EJL2XX	Foam Gripper (120x200 mm), fine pitch, self-closing valves	353010202



Identification codes		
Alphanumeric code	Spare parts	Order code
FGS-120-0200-F20-OT	Foam Gripper (120x200 mm), 20 mm-thick foam, fine pitch	353012002

