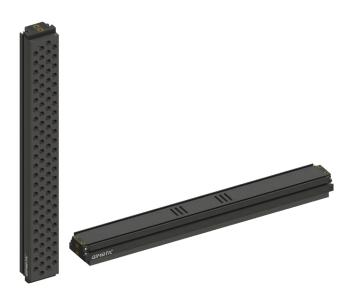
Foam Gripper / FGS with medium pitch and self-closing valves



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 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	9.11 kg				
Material	AI, EPDM, NBR, PA12				
Noise level	70 dB				

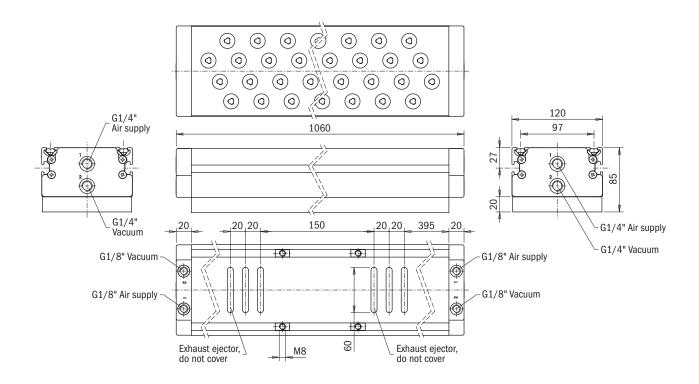
Suction flow rate											
Model	Feed pressure	Air consumption		Suction flow rate [NI/s] at different vacuum levels [kPa]						Max vacuum	
	[MPa]	[NI/s]	0	-10	-20	-30	-40	-50	-60	-70	[kPa]
FGS-120-1000-F20-RM-VA-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73

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 Order code Description Foam Gripper (120x1000 mm), medium pitch, self-closing valves 353021006 FGS-120-1000-F20-RM-VA-EJL6XX



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

