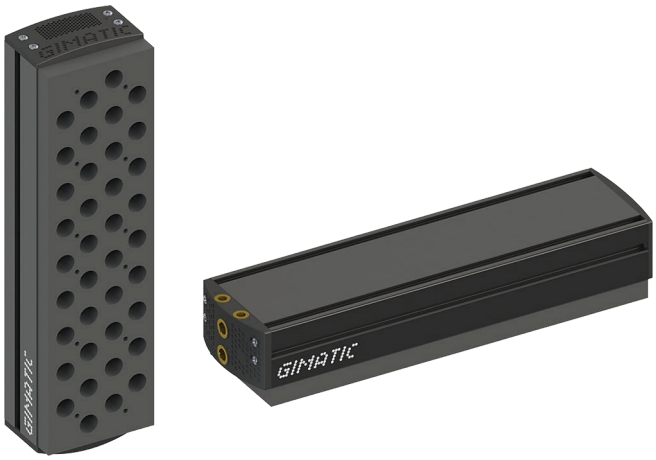
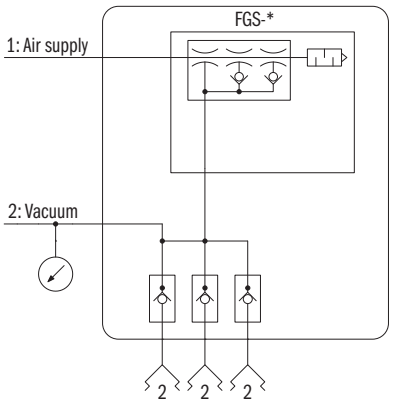
Vacuum gripping systems with foam / FGS-120 medium pitch with self-closing valves

FGS-120-XXXX-F20-RM-VA

- The FGS-120 series of vacuum gripping systems, in the version with foam, is a modular and versatile solution for handling a variety of products of different sizes, shapes and porosity
- Integrated EJ-LARGE-HF-3 multistage cartridges to ensure high suction flow rate and low power consumption
- The version with self-closing valves is ideal for applications where objects of different sizes/ shapes need to be handled. It allows the user to work with smaller vacuum pumps and reduces consumption and maintains a high vacuum level even though most of the surface area of the gripper may not be gripping





Technical features	
Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	3.87 kg (400), 5.61 kg (600), 7.42 kg (800), 9.11 kg (1000)
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

Suction flow rate

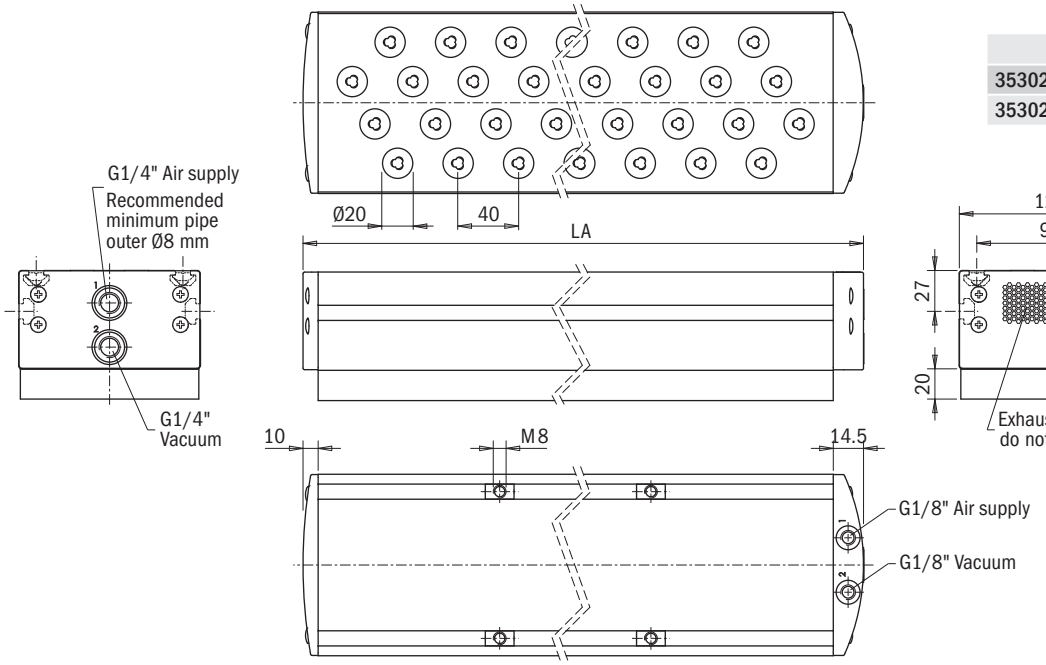
Model	Feed pressure	Air consumption	Suction flow rate [Nl/s] at different vacuum levels [kPa]								Max vacuum
	[MPa]	[Nl/s]	0	-10	-20	-30	-40	-50	-60	-70	[kPa]
FGS-120-0400-F20-RM-VA-EJL3XX	0.6	5.1	17.7	10.5	7.5	5.1	2.67	1.86	1.53	0.93	-73
FGS-120-0600-F20-RM-VA-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73
FGS-120-0800-F20-RM-VA-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73
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-120-0400-F20	350	475	600	715	840
FGS-120-0600-F20	550	725	911	1095	1277
FGS-120-0800-F20	730	981	1227	1472	1712
FGS-120-1000-F20	920	1230	1540	1843	2150

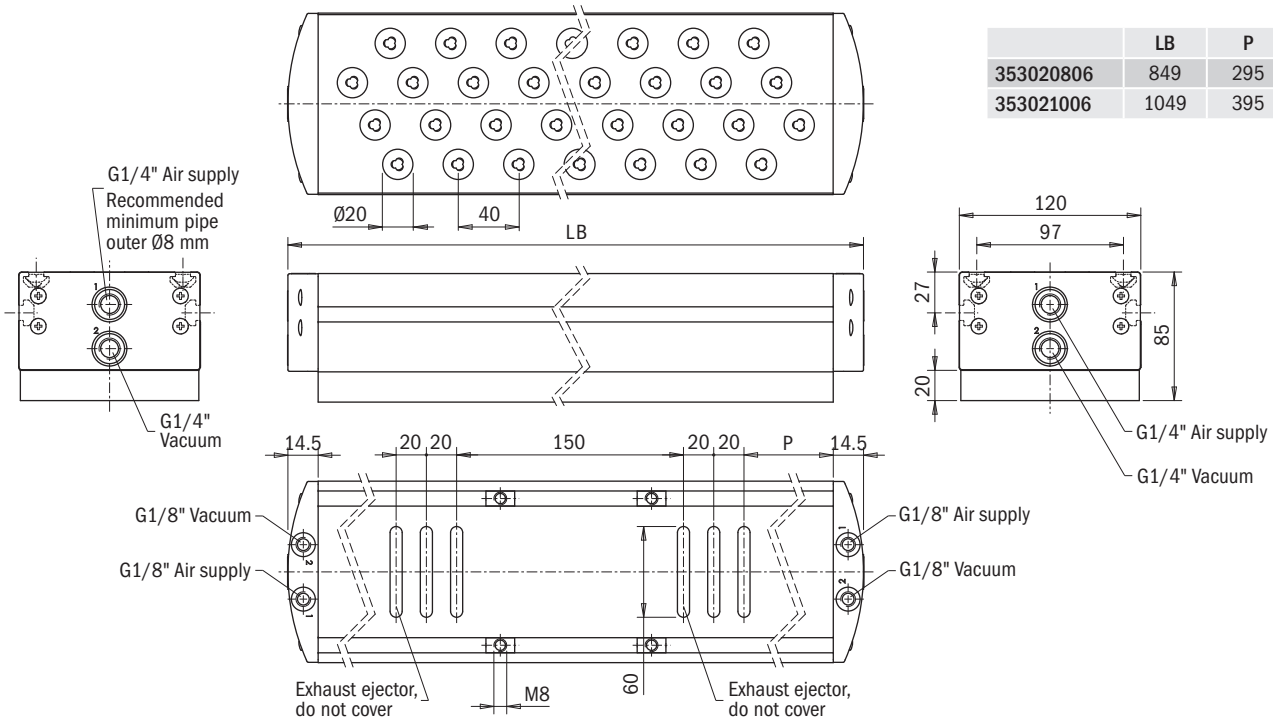
Theoretical gripping force on flat surface with fully covered gripping surface, excluding the factor of safety
Standard 20 mm thickness of foam

Identification codes		
Alphanumeric code	**Description**	**Order code**
FGS-120-0400-F20-RM-VA-EJL3XX	Vacuum gripping systems with foam, 120x400 mm, medium pitch with integrated self-closing valves	**353020403**
FGS-120-0600-F20-RM-VA-EJL4XX	Vacuum gripping systems with foam, 120x600 mm, medium pitch with integrated self-closing valves	**353020604**



	LA
353020403	444.5
353020604	644.5

Identification codes		
Alphanumeric code	**Description**	**Order code**
FGS-120-0800-F20-RM-VA-EJL6XX	Vacuum gripping systems with foam, 120x800 mm, medium pitch with integrated self-closing valves	**353020806**
FGS-120-1000-F20-RM-VA-EJL6XX	Vacuum gripping systems with foam, 120x1000 mm, medium pitch with integrated self-closing valves	**353021006**



	LB	P
353020806	849	295
353021006	1049	395

Code and technical features of the spare foam: page 588