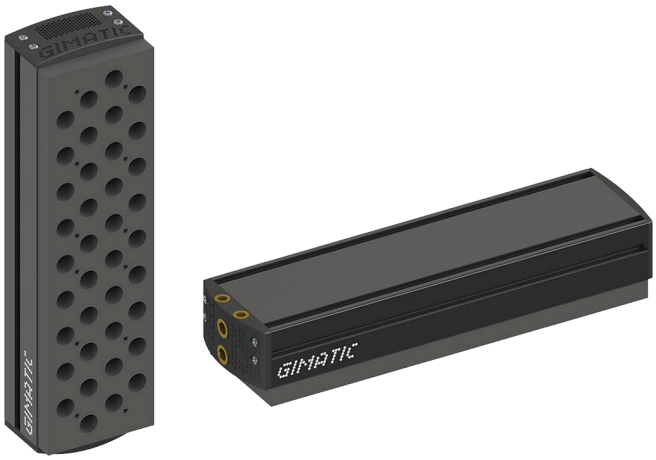
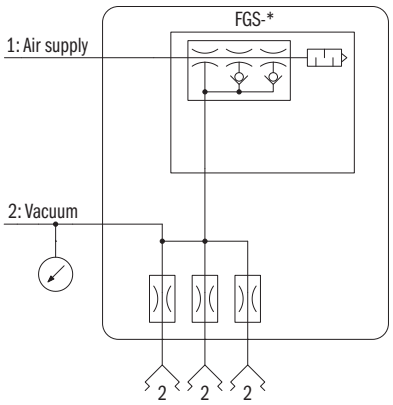
Vacuum gripping systems with foam / FGS-120 medium pitch with calibrated holes

FGS-120-XXXX-F20-RM-08

- 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 calibrated holes is ideal for applications that involve the handling of objects of a specific shape and weight and with a sealed surface (glass, sheet metal)
- 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	4.01 kg (400), 5.73 kg (600), 7.63 kg (800), 9.36 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-08-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-RM-08-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73
FGS-120-0600-F20-RM-08-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-08-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73
FGS-120-1000-F20-RM-08-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73

Gripping force

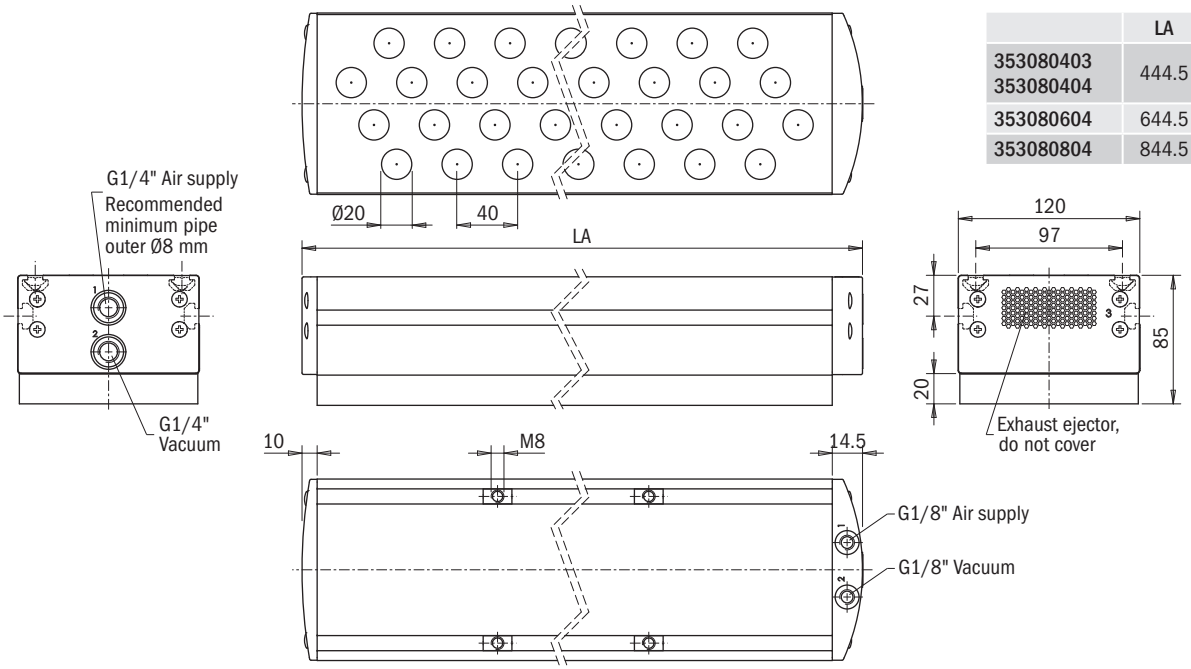
Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-0400-F20	350	475	600	715	840
FGS-120-0600-F20	550	725	911	1095	1277
FGS-120-0800-F20	730	981	1227	1472	1712
FGS-120-1000-F20	920	1230	1540	1843	2150

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-08-EJL3XX	Vacuum gripping systems with foam, 120x400 mm, medium pitch with 0.8 mm calibrated holes	353080403
FGS-120-0400-F20-RM-08-EJL4XX	Vacuum gripping systems with foam, 120x400 mm, medium pitch with 0.8 mm calibrated holes	353080404
FGS-120-0600-F20-RM-08-EJL4XX	Vacuum gripping systems with foam, 120x600 mm, medium pitch with 0.8 mm calibrated holes	353080604
FGS-120-0800-F20-RM-08-EJL4XX	Vacuum gripping systems with foam, 120x800 mm, medium pitch with 0.8 mm calibrated holes	353080804 NEW

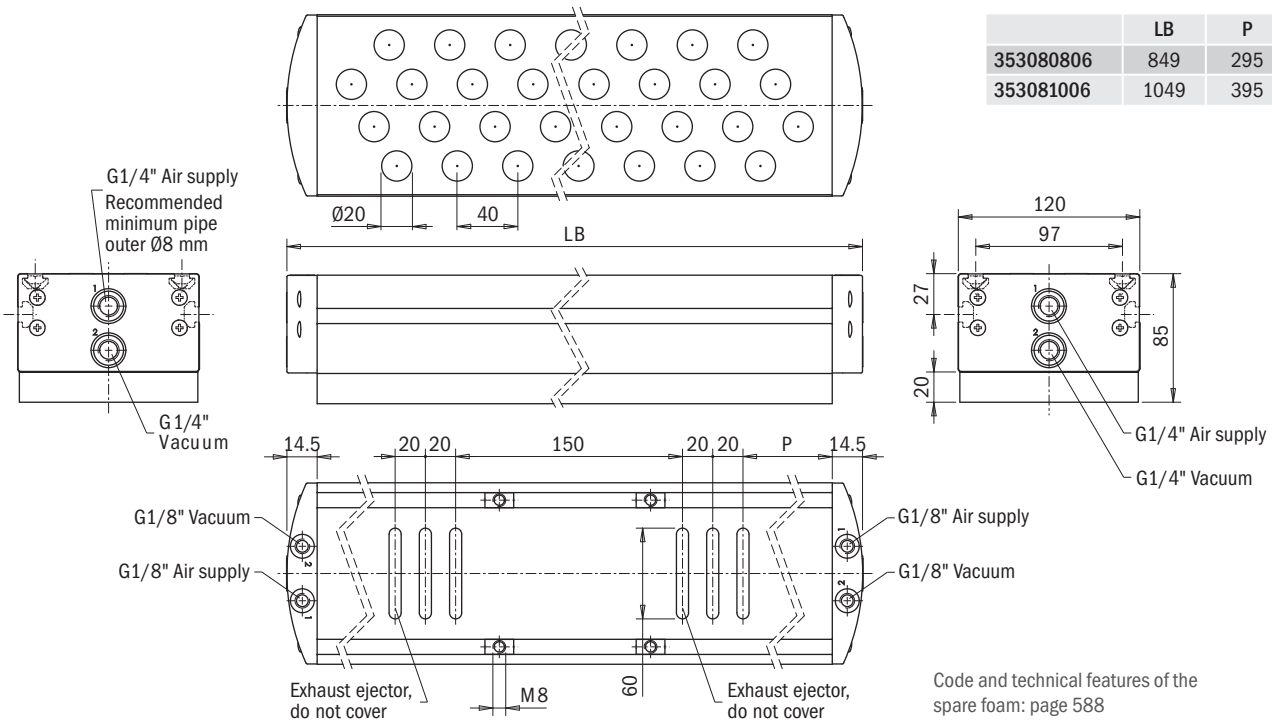
	LA
353080403 353080404	444.5
353080604	644.5
353080804	844.5



Identification codes

Alphanumeric code	Description	Order code
FGS-120-0800-F20-RM-08-EJL6XX	Vacuum gripping systems with foam, 120x800 mm, medium pitch with 0.8 mm calibrated holes	353080806
FGS-120-1000-F20-RM-08-EJL6XX	Vacuum gripping systems with foam, 120x1000 mm, medium pitch with 0.8 mm calibrated holes	353081006

	LB	P
353080806	849	295
353081006	1049	395



Code and technical features of the spare foam: page 588