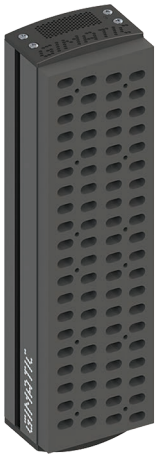
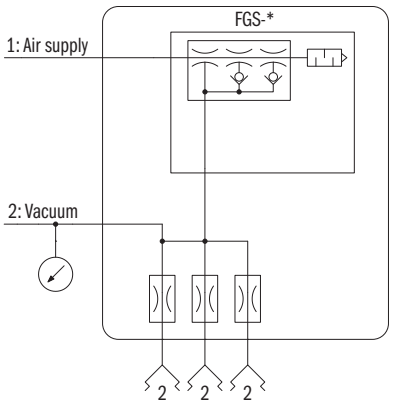
Vacuum gripping systems with foam / FGS-120 fine pitch with calibrated holes

FGS-120-XXXX-F20-0T-06

- 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	1.93 kg (200), 2.57 kg (300), 3.28 kg (400), 4.66 kg ÷ 4.85 kg (600), 6 kg (800), 7.59 kg (1000)
Material	Al, EPDM, NBR, PA12
Noise level	70 dB

Suction flow rate

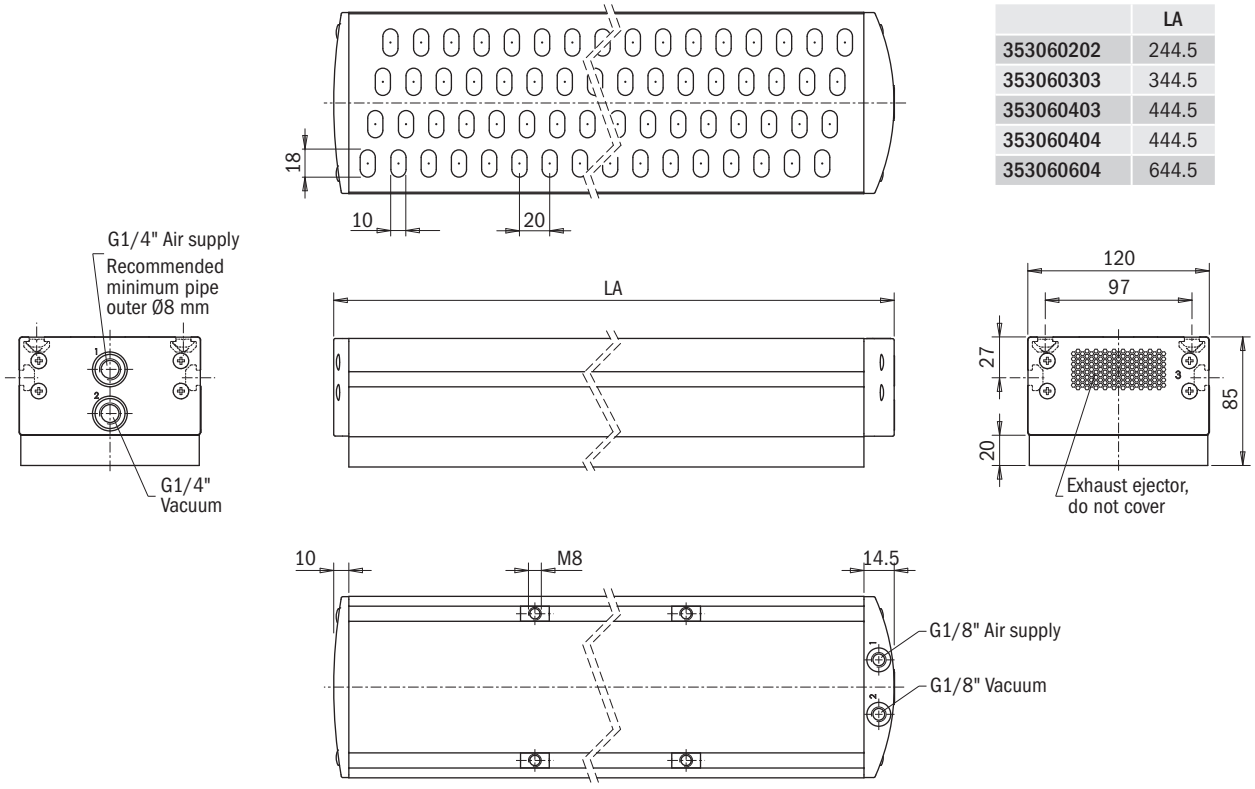
Model	Feed pressure	Air consumption	Suction flow rate [Nl/s] at different vacuum levels								Max vacuum
	[MPa]	[Nl/s]	0	-10	-20	-30	-40	-50	-60	-70	[kPa]
FGS-120-0200-F20-0T-06-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73
FGS-120-0300-F20-0T-06-EJL3XX	0.6	5.1	17.7	10.5	7.5	5.1	2.67	1.86	1.53	0.93	-73
FGS-120-0400-F20-0T-06-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-F20-0T-06-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73
FGS-120-0600-F20-0T-06-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73
FGS-120-0800-F20-0T-06-EJL6XX	0.6	10.2	34	21	15.6	10.2	5.4	3.6	2.9	2	-73
FGS-120-1000-F20-0T-06-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-120-0200-F20	175	220	278	335	395
FGS-120-0300-F20	262.5	347.5	439	525	617.5
FGS-120-0400-F20	350	475	600	715	840
FGS-120-0600-F20	567	756	945	1134	1323
FGS-120-0600-F20	567	756	945	1134	1323
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

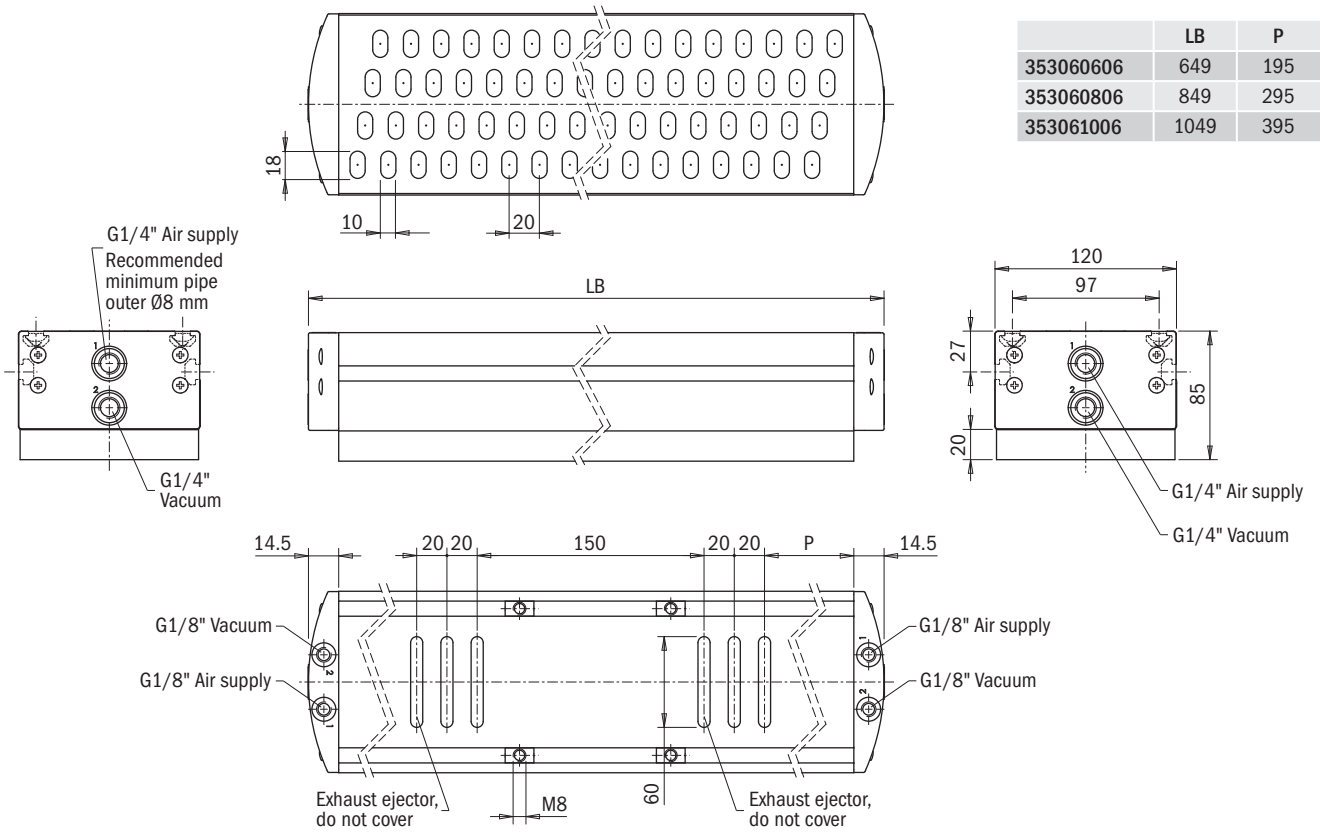
Identification codes		
Alphanumeric code	**Description**	**Order code**
FGS-120-0200-F20-0T-06-EJL2XX	Vacuum gripping systems with foam, 120x200 mm, fine pitch with 0.6 mm calibrated holes	**353060202**
FGS-120-0300-F20-0T-06-EJL3XX	Vacuum gripping systems with foam, 120x300 mm, fine pitch with 0.6 mm calibrated holes	**353060303**
FGS-120-0400-F20-0T-06-EJL3XX	Vacuum gripping systems with foam, 120x400 mm, fine pitch with 0.6 mm calibrated holes	**353060403**
FGS-120-0400-F20-0T-06-EJL4XX	Vacuum gripping systems with foam, 120x400 mm, fine pitch with 0.6 mm calibrated holes	**353060404** NEW
FGS-120-0600-F20-0T-06-EJL4XX	Vacuum gripping systems with foam, 120x600 mm, fine pitch with 0.6 mm calibrated holes	**353060604**



	LA
353060202	244.5
353060303	344.5
353060403	444.5
353060404	444.5
353060604	644.5

Code and technical features of the spare foam: page 588

Identification codes		
Alphanumeric code	**Description**	**Order code**
FGS-120-0600-F20-0T-06-EJL6XX	Vacuum gripping systems with foam, 120x600 mm, fine pitch with 0.6 mm calibrated holes	**353060606**
FGS-120-0800-F20-0T-06-EJL6XX	Vacuum gripping systems with foam, 120x800 mm, fine pitch with 0.6 mm calibrated holes	**353060806**
FGS-120-1000-F20-0T-06-EJL6XX	Vacuum gripping systems with foam, 120x1000 mm, fine pitch with 0.6 mm calibrated holes	**353061006**



	LB	P
353060606	649	195
353060806	849	295
353061006	1049	395

Code and technical features of the spare foam: page 588

Notes