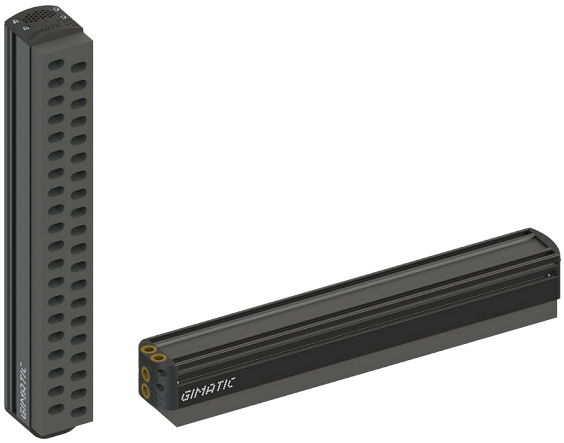
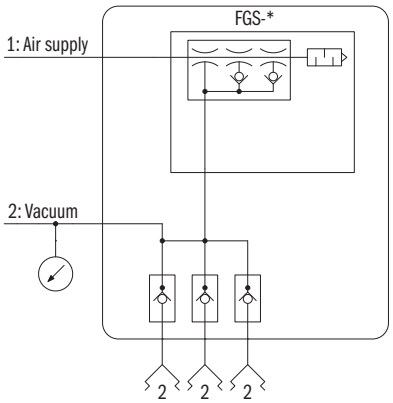
Vacuum gripping systems with foam / FGS-060 fine pitch with self-closing valves

FGS-060-XXXX-F20-0T-VA

- The FGS-060 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	937 g (200), 1617 g (400), 2424 g (600), 3124 g (800), 3774 g (1000), 4297–4494 g (1200)
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-060-0200-F20-0T-VA-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73
FGS-060-0400-F20-0T-VA-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73
FGS-060-0600-F20-0T-VA-EJL3XX	0.6	5.1	17.7	10.5	7.5	5.1	2.67	1.86	1.53	0.93	-73
FGS-060-0800-F20-0T-VA-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73
FGS-060-1000-F20-0T-VA-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73
FGS-060-1200-F20-0T-VA-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73
FGS-060-1200-F20-0T-VA-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73

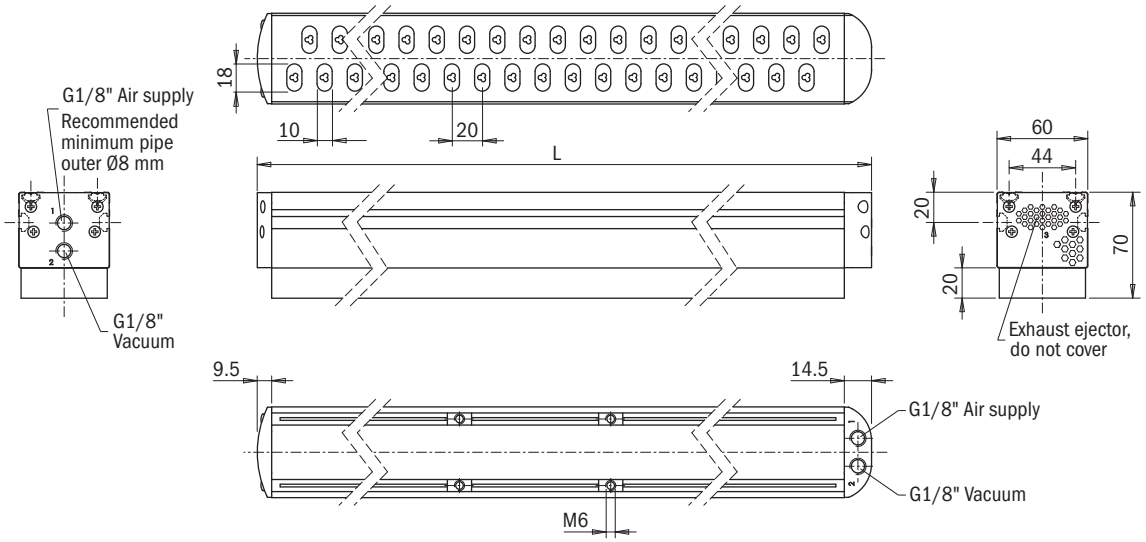
Gripping force

Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-060-0200-F20	93	127	158	186	215
FGS-060-0400-F20	187	250	315	375	439
FGS-060-0600-F20	225	300	376	450	529
FGS-060-0800-F20	376	504	629	752	878
FGS-060-1000-F20	472	629	783	940	1100
FGS-060-1200-F20	566	756	940	1132	1318

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-060-0200-F20-OT-VA-EJL2XX	Vacuum gripping systems with foam, 60x200 mm, fine pitch with integrated self-closing valves	360010202
FGS-060-0400-F20-OT-VA-EJL2XX	Vacuum gripping systems with foam, 60x400 mm, fine pitch with integrated self-closing valves	360010402



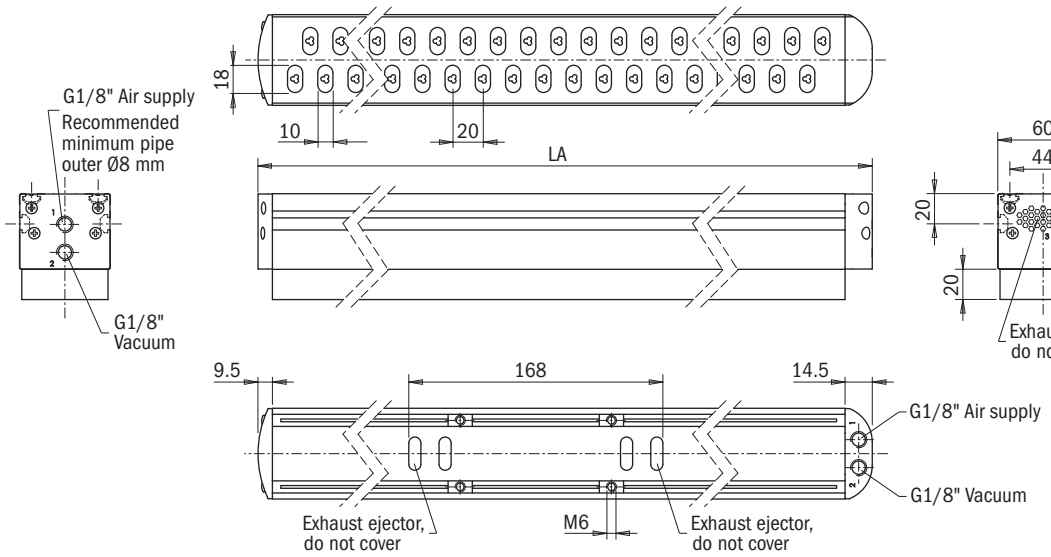
	L
360010202	244
360010402	444

Code and technical features of the spare foam: page 588

Identification codes

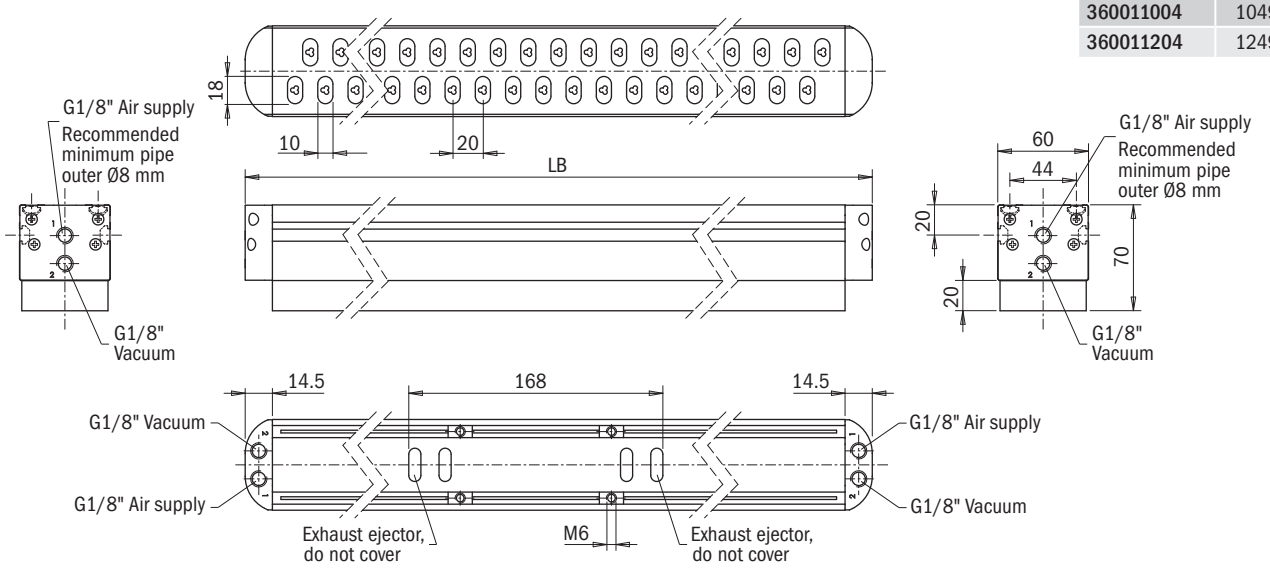
Drawing	Alphanumeric code	Description	Order code
B	FGS-060-0600-F20-OT-VA-EJL3XX	Vacuum gripping systems with foam, 60x600 mm, fine pitch with integrated self-closing valves	**360010603**
B	FGS-060-0800-F20-OT-VA-EJL4XX	Vacuum gripping systems with foam, 60x800 mm, fine pitch with integrated self-closing valves	**360010804**
B	FGS-060-1000-F20-OT-VA-EJL4XX	Vacuum gripping systems with foam, 60x1000 mm, fine pitch with integrated self-closing valves	**360011004**
A	FGS-060-1200-F20-OT-VA-EJL2XX	Vacuum gripping systems with foam, 60x1200 mm, fine pitch with integrated self-closing valves	**360011202**
B	FGS-060-1200-F20-OT-VA-EJL4XX	Vacuum gripping systems with foam, 60x1200 mm, fine pitch with integrated self-closing valves	**360011204**

A



	LA
360011202	1244

B



	LB
360010603	649
360010804	849
360011004	1049
360011204	1249

Code and technical features of the spare foam: page 588