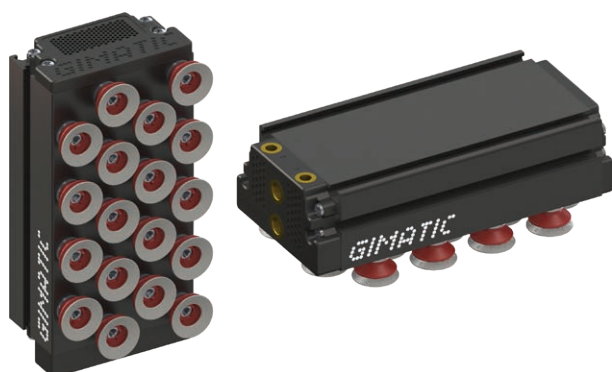


Foam Gripper / FGS with VG.IS35P suction cups and self-closing valves



FGS-120-0200-SC

- The FGS-120-SC series of VACUUM FOAM GRIPPERS is a modular and configurable solution
- Integrated EJ-LARGE-HF-3 multistage cartridges for high suction flow rate and low energy consumption
- The VG.IS polyurethane suction cups ensure high wear resistance and adaptability to uneven surfaces
- The integrated self-closing valve allows objects with different sizes/shapes to be handled. Amongst the typical applications are the palletization and handling in the packaging, sheet metal, glass and wood industries



Technical features

Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	2 kg
Material	Al, EPDM, NBR, PA12, PU30/60
Number of suction cups	18
Noise level	70 dB

Suction flow rate

Model	Feed pressure [MPa]	Air consumption [l/s]	Suction flow rate [l/s] at different vacuum levels [kPa]								Max vacuum [kPa]
			0	-10	-20	-30	-40	-50	-60	-70	
FGS-120-0200-IS35-SC-VA-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73

Gripping force

Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-0200-IS35	380	485	555	620	670

Theoretical gripping force on stable, rigid surface with fully covered module, safety factor excluded

Identification codes

Alphanumeric code	Description	Order code
FGS-120-0200-IS35-SC-VA-EJL2XX	Foam Gripper (120x200 mm), VG.IS35P suction cups, with built-in self-closing valves	353350202

