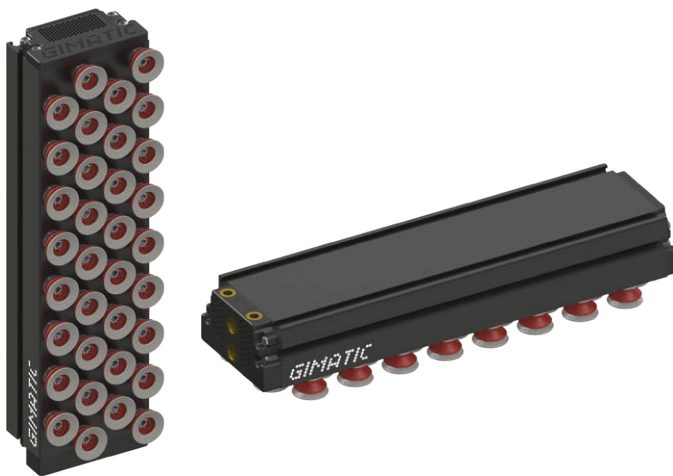


# Vacuum gripping systems with suction cups / FGS-120-SC with VG.IS35P suction cups and self-closing valves



## FGS-120-0400-IS35-SC-VA

- The FGS-120-SC series of vacuum gripping systems, in the version with suction cups, 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 valves with calibrated holes (controlled loss) allow the horizontal or vertical handling of objects with different formats (with possible object overturning)
- Ideal for sealed applications (glass, sheet metal, plastic) and for handling cardboard boxes that are not extremely porous



Technical features	
Max feed pressure	0.6 MPa
Temperature range	0 ÷ +50 °C
Weight	3.6 kg
Material	Al, EPDM, NBR, PA12, PU30/60
Number of suction cups	34
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-120-0400-IS35-SC-VA-EJL3XX	0.6	5.1	17.7	10.5	7.5	5.1	2.67	1.86	1.53	0.93	-73

Gripping force					
Model	Gripping force [N] at different vacuum levels				
	-30 kPa	-40 kPa	-50 kPa	-60 kPa	-70 kPa
FGS-120-0400-IS35	760	960	1110	1230	1340

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

**Identification codes**

Alphanumeric code	Description	Order code
FGS-120-0400-IS35-SC-VA-EJL3XX	Vacuum gripping systems with VG.IS35P suction cups, 120x400 mm, with integrated self-closing valves	353350403

