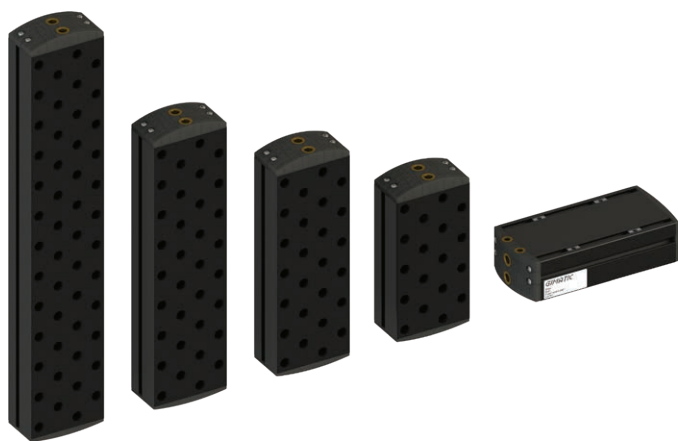


# Pre-drilled vacuum gripping systems for suction cups / FGS-120-PSC with G3/8" holes for Ø35 mm suction cups

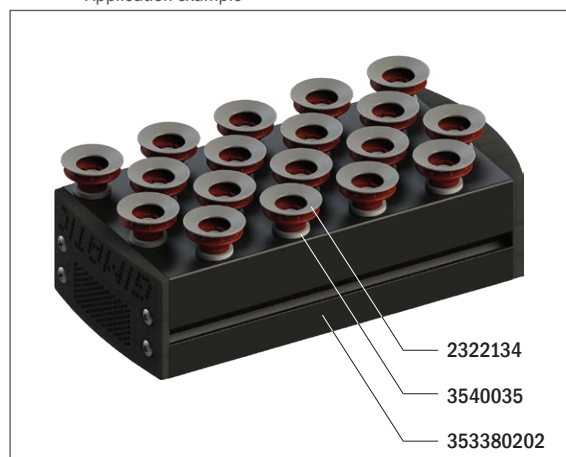


## FGS-120-XXXX-G38-PSC-35

- The FGS-120 series vacuum gripping systems, in the version that can be fitted with suction cups, is a modular and configurable solution
- Integrated EJ-LARGE-HF-3 multistage cartridges to ensure high suction flow rate and low power consumption
- Wide range of Gimatic suction cups in different shapes and materials for every possible application
- Gimatic fittings with self-closing valve and calibrated hole can be used to handle objects of different sizes / formats, offering the advantages of both technologies and the option of overturning
- Typical applications are palletization and handling in the sectors of packaging, sheet metal, glass and wood



Application example



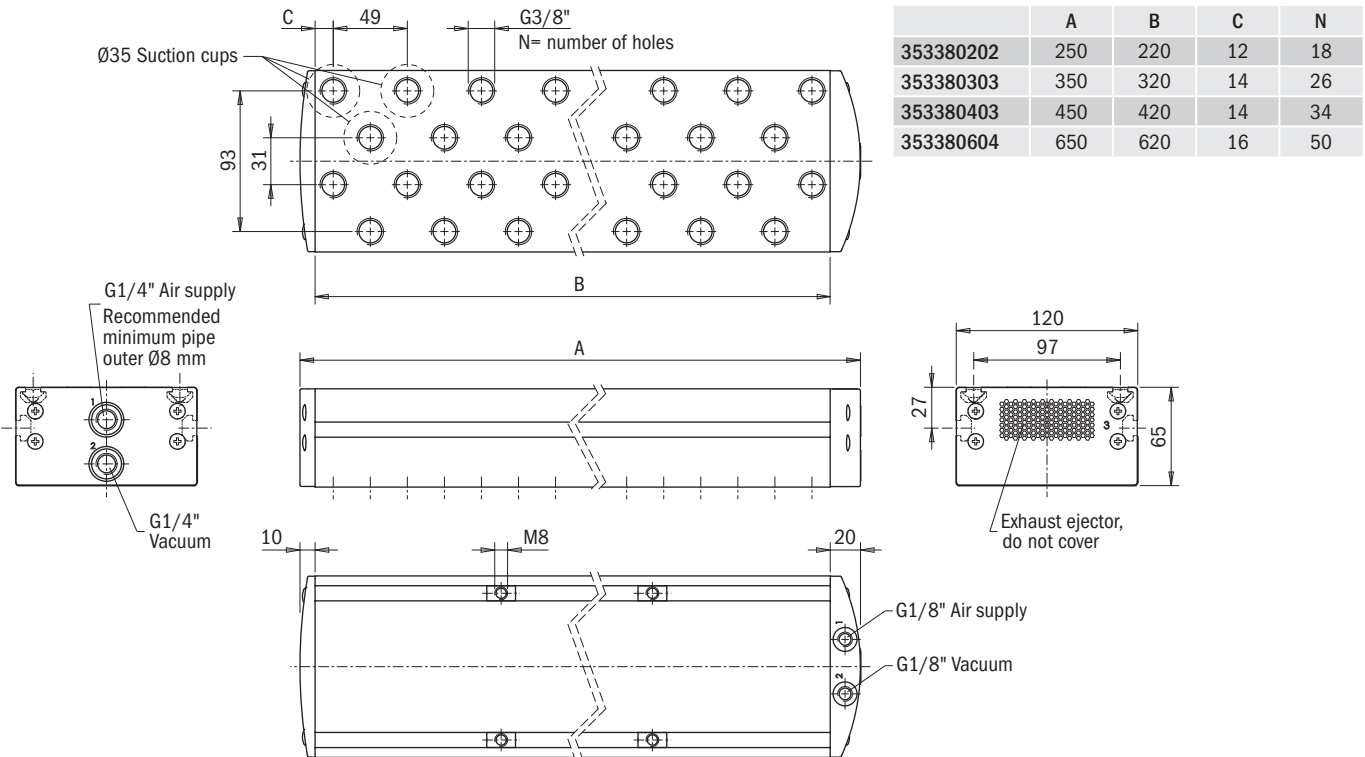
### Technical features

Max feed pressure	0.6 MPa
Temperature range	-30° + +110 °C
Weight	1600 g + 4250 g
Material	Al, NBR, PA12
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-G38-PSC-35-EJL2XX	0.6	3.4	11.8	7	5	3.4	1.78	1.24	1.02	0.62	-73
FGS-120-0300-G38-PSC-35-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-G38-PSC-35-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-G38-PSC-35-EJL4XX	0.6	6.8	23.6	14	10	6.8	3.56	2.48	2.04	1.24	-73

Identification codes		
Alphanumeric code	Description	Order code
FGS-120-0200-G38-PSC-35-EJL2XX	120x200 mm vacuum gripping system, integrated vacuum generator, G3/8" holes for Ø35 mm suction cup fittings	353380202
FGS-120-0300-G38-PSC-35-EJL3XX	120x300 mm vacuum gripping system, integrated vacuum generator, G3/8" holes for Ø35 mm suction cup fittings	353380303
FGS-120-0400-G38-PSC-35-EJL3XX	120x400 mm vacuum gripping system, integrated vacuum generator, G3/8" holes for Ø35 mm suction cup fittings	353380403
FGS-120-0600-G38-PSC-35-EJL4XX	120x600 mm vacuum gripping system, integrated vacuum generator, G3/8" holes for Ø35 mm suction cup fittings	353380604



	A	B	C	N
353380202	250	220	12	18
353380303	350	320	14	26
353380403	450	420	14	34
353380604	650	620	16	50

**Example of compatible fittings and suction cups**

Introduction

Vacuum theory

Suction cups

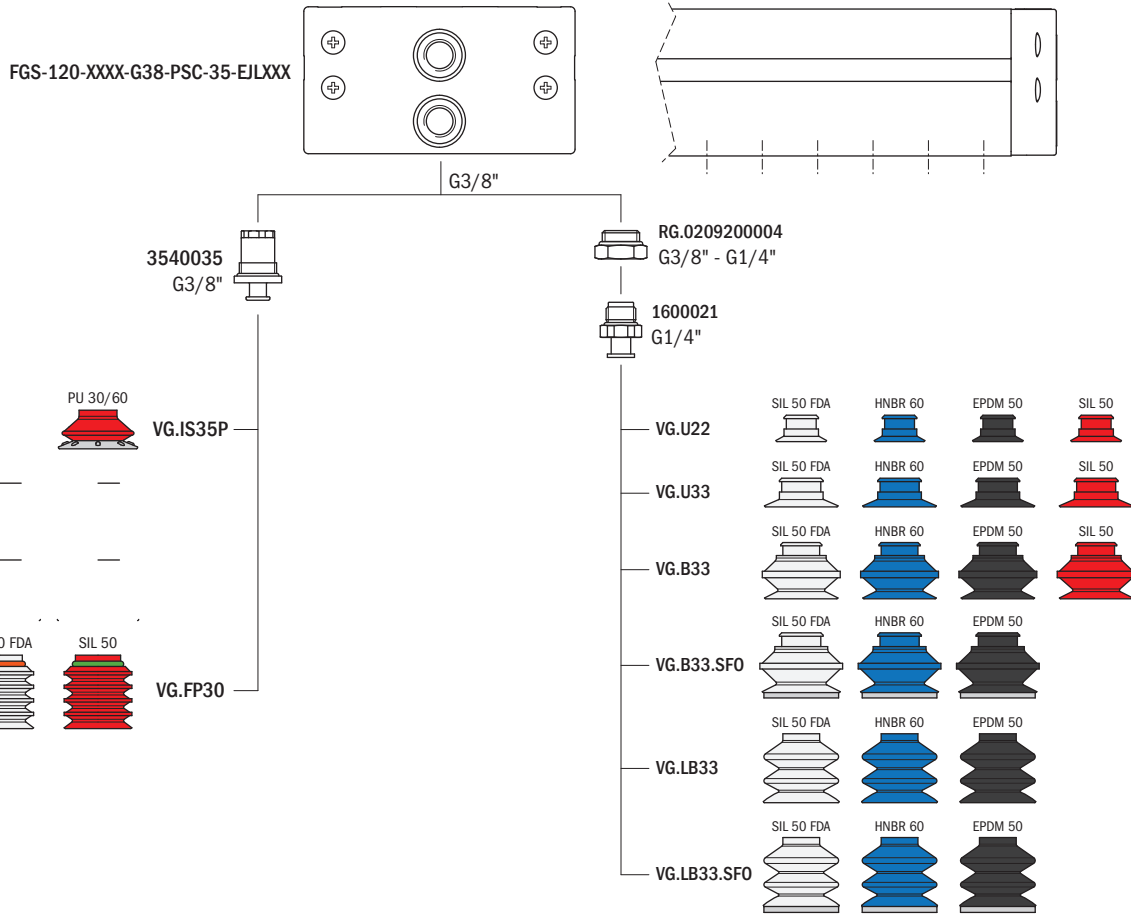
Vacuum pumps

Vacuum gripping systems

Customised solutions

Suspensions

System accessories



Identification codes			
Drawing	Alphanumeric code	Fittings	Order code
A	FT.G38M.S75.E5	Fitting G3/8" Male with check valve and calibrated hole diameter, hexagon 5 mm	3540035
B	—	Reducer G3/8" male - G1/4" female, hexagon 19 mm (10 pieces)	RG.0209200004
C	FT.G14M.S75.E17	Fitting G1/4" Male with check valve and calibrated hole diameter, hexagon 17 mm	1600021
D	FT.G14M.S75.E19	Fitting G1/4" Male with check valve and calibrated hole diameter, hexagon 19 mm	1600022

