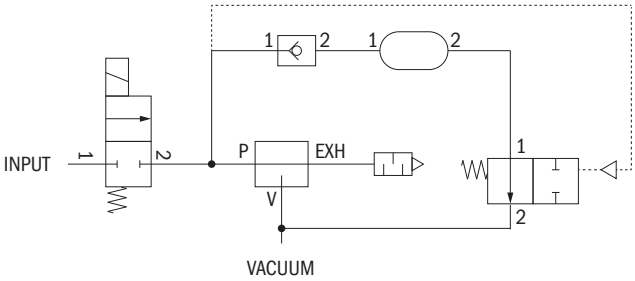
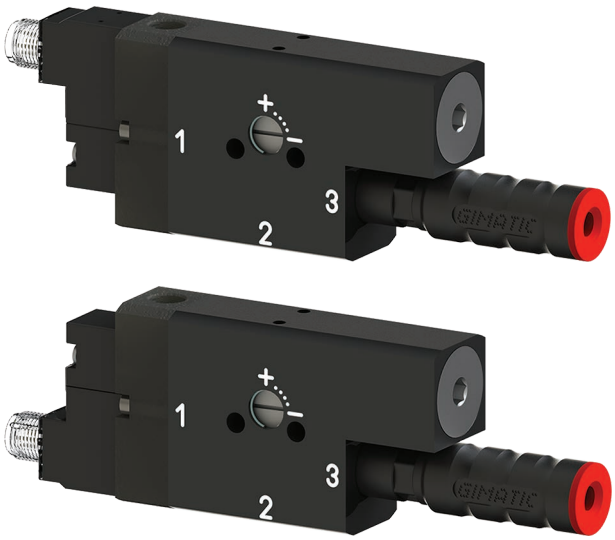
EJ-BSV-MEDIUM

- Ideal for applications in dusty environments
- Adjustable blow-off for quick release and cleaning of the EJ cartridge
- Tank capacity 10 cm³
- Available with Gimatic's integrated vacuum switch, pre-set (-30, -50 and -70 kPa), in the PNP and NPN versions
- The 3/2 valve (NC, NO) feeds the vacuum pump and the blow-off function
- Integrated silencer
- Anodised aluminium manifold
- Available with one two-stage EJ-MEDIUM cartridge (EJ-HF, EJ-HV), high suction flow rate and low energy consumption

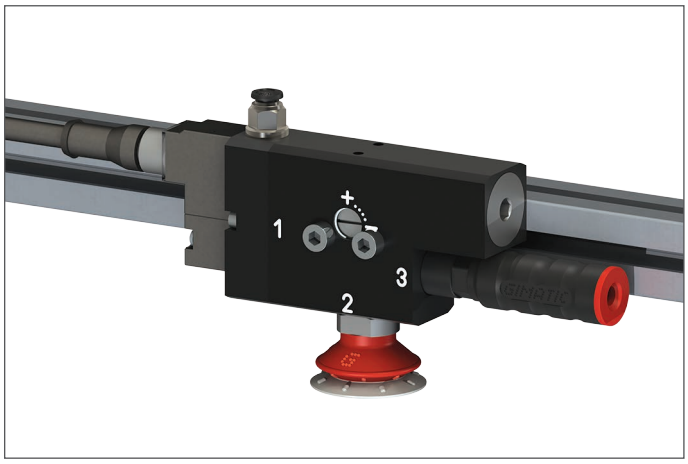
Typical applications

- Packaging machines, for the food and pharmaceutical sector
- Handling of cosmetic products
- Pick-up of porous items (cardboard, wooden sheets)





Application example



Pump technical features	
Medium	Compressed air in compliance with ISO 8573-1:2010 [7:4:4]
Max feed pressure	0.7 MPa
Weight (with solenoid valves)	230 g
Material	PA, SS, POM, Al, Nitrile (NBR)
Noise level	< 70 dB
Operating temperature	-5 ÷ +50 °C

Technical features of the solenoid valves	
Brand	FIM Valvole
Model	N331/3LB
Operation	3/2 Normally closed (NC)
Orifice	1.6 mm
Type of electrical connection	5-pin M12x1 Male
Drive voltage	24 Vcc ±10%
Power absorption	2.5 W
Solenoid valve opening response time	< 15 ms
Solenoid valve closing response time	< 10 ms
IP rating	IP65
Standard	ISO 15218 (15 mm)

Suction flow rate

Model	Feed pressure	Air consumption	Suction flow rate [Nl/s] at different vacuum levels [kPa]										Max vacuum
	[MPa]	[Nl/s]	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	[kPa]
EJ-BSV-M-HF-2-NC	0.65*	0.43	0.78	0.68	0.52	0.31	0.21	0.15	0.10	0.08	–	–	-73
EJ-BSV-M-HV-2-NC	0.55*	0.47	0.76	0.63	0.54	0.32	0.17	0.15	0.11	0.07	0.05	0.01	-94
EJ-BSV-M-HF-2-NO	0.7**	0.43	0.78	0.68	0.52	0.31	0.21	0.15	0.10	0.08	–	–	-73
EJ-BSV-M-HV-2-NO	0.6**	0.47	0.76	0.63	0.54	0.32	0.17	0.15	0.11	0.07	0.05	0.01	-94

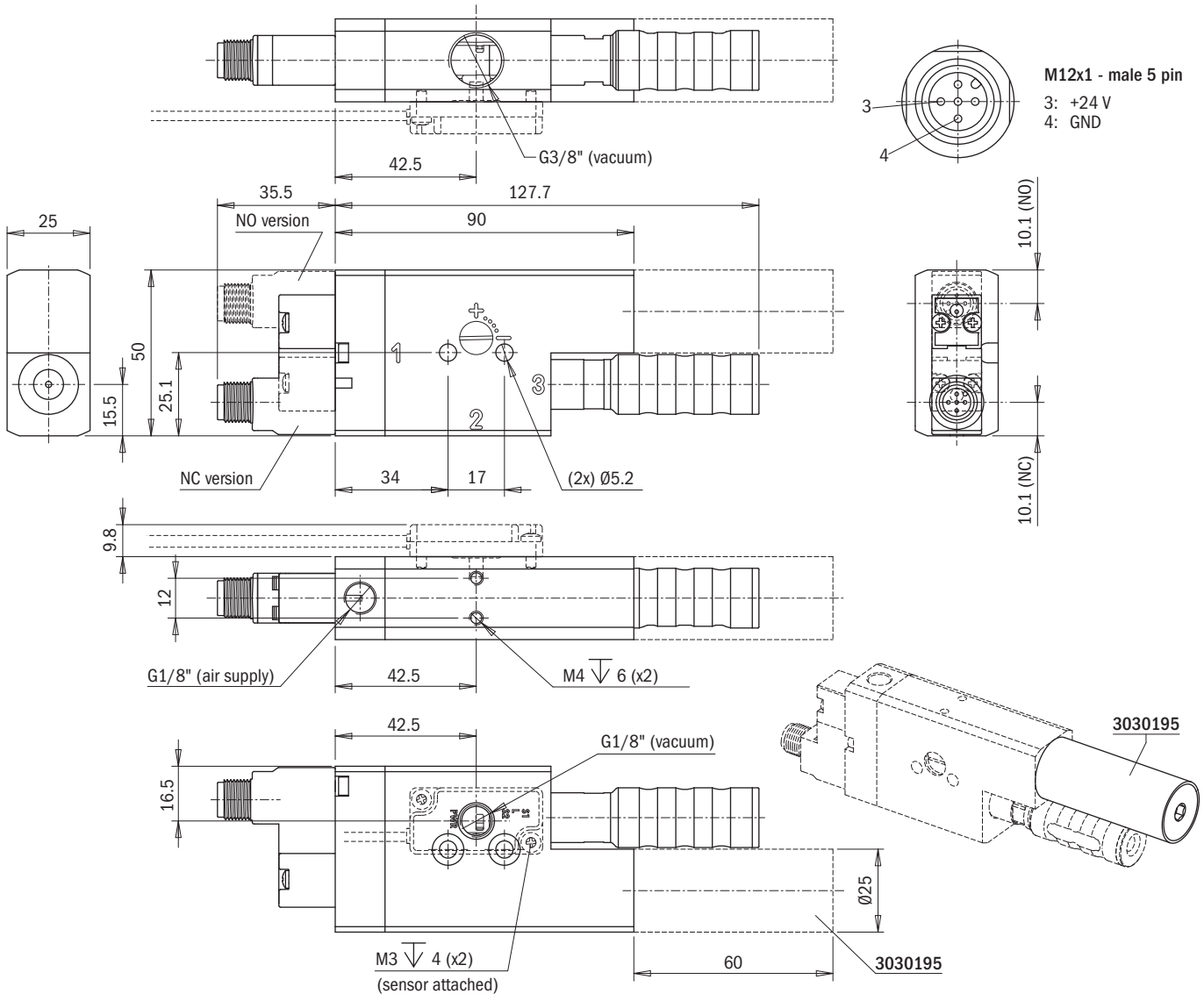
For technical specifications, regarding the suction flow rate and the air consumption at different pressures, please refer to the technical data sheets of the EJ-MEDIUM cartridges in the two-stage version

Evacuation time

Model	Feed pressure	Air consumption	Evacuation time [s/l] to reach different vacuum levels [kPa]									Max vacuum
	[MPa]	[Nl/s]	-10	-20	-30	-40	-50	-60	-70	-80	-90	[kPa]
EJ-BSV-M-HF-2-NC	0.65*	0.43	0.13	0.30	0.54	0.9	1.5	2.3	3.2	–	–	-73
EJ-BSV-M-HV-2-NC	0.55*	0.47	0.14	0.32	0.55	1.0	1.6	2.4	3.5	5.1	8.7	-94
EJ-BSV-M-HF-2-NO	0.7**	0.43	0.13	0.30	0.54	0.9	1.5	2.3	3.2	–	–	-73
EJ-BSV-M-HV-2-NO	0.6**	0.47	0.14	0.32	0.55	1.0	1.6	2.4	3.5	5.1	8.7	-94

For technical specifications regarding the evacuation time and the consumption at different pressures, please refer to the technical data sheets of the EJ-MEDIUM cartridges, in the two-stage version.

The 0.05 MPa (*) or 0.1 MPa (**) increase in the recommended feed pressure is due to the presence of the solenoid valve.
This technical solution allows the performance levels stated in the technical data sheets to be reached and does not lead to any increase in the pump's air consumption.



Identification codes

Alphanumeric code	Description	Order code
EJ-BSV-M-HF-2-NC	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer	3030198
EJ-BSV-M-HF-2-NC-H NEW	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder	3031198
EJ-BSV-M-HF-2-NC-VSW-30-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -30 kPa	3030199
EJ-BSV-M-HF-2-NC-VSW-50-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -50 kPa	3030200
EJ-BSV-M-HF-2-NC-VSW-70-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -70 kPa	3030201
EJ-BSV-M-HF-2-NC-VSW-30-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -30 kPa	3030202
EJ-BSV-M-HF-2-NC-VSW-50-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -50 kPa	3030203
EJ-BSV-M-HF-2-NC-VSW-70-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -70 kPa	3030204
EJ-BSV-M-HF-2-NO	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer	3030212
EJ-BSV-M-HF-2-NO-H NEW	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder	3031212
EJ-BSV-M-HF-2-NO-VSW-30-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -30 kPa	3030213
EJ-BSV-M-HF-2-NO-VSW-50-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -50 kPa	3030214
EJ-BSV-M-HF-2-NO-VSW-70-P	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -70 kPa	3030215
EJ-BSV-M-HF-2-NO-VSW-30-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -30 kPa	3030216
EJ-BSV-M-HF-2-NO-VSW-50-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -50 kPa	3030217
EJ-BSV-M-HF-2-NO-VSW-70-N	EJ-BSV-MEDIUM-HF-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -70 kPa	3030218

For more information and technical data on the pre-set vacuum switches described, please see the accessories section on page 672

Identification codes

Alphanumeric code	Accessories	Order code
CFGM1290525P	Angular female connector with M12 lock nut, 5 pins, round PUR cable, length 2.5 metres	CFGM1290525P
CFGM1200525P	Axial female connector with M12 lock nut, 5 pins, round PUR cable, length 2.5 metres	CFGM1200525P
EJ-BLOWOFF-KIT	Blow-off tank expansion kit	3030195

Identification codes		
Alphanumeric code	Description	Order code
EJ-BSV-M-HV-2-NC	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer	3030170
EJ-BSV-M-HV-2-NC-H NEW	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder	3031170
EJ-BSV-M-HV-2-NC-VSW-30-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -30 kPa	3030171
EJ-BSV-M-HV-2-NC-VSW-50-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -50 kPa	3030172
EJ-BSV-M-HV-2-NC-VSW-70-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch PNP -70 kPa	3030173
EJ-BSV-M-HV-2-NC-VSW-30-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -30 kPa	3030174
EJ-BSV-M-HV-2-NC-VSW-50-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -50 kPa	3030175
EJ-BSV-M-HV-2-NC-VSW-70-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NC, with holder and integrated silencer, pre-set vacuum switch NPN -70 kPa	3030176
EJ-BSV-M-HV-2-NO	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer	3030184
EJ-BSV-M-HV-2-NO-H NEW	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder	3031184
EJ-BSV-M-HV-2-NO-VSW-30-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -30 kPa	3030185
EJ-BSV-M-HV-2-NO-VSW-50-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -50 kPa	3030186
EJ-BSV-M-HV-2-NO-VSW-70-P	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch PNP -70 kPa	3030187
EJ-BSV-M-HV-2-NO-VSW-30-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -30 kPa	3030188
EJ-BSV-M-HV-2-NO-VSW-50-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -50 kPa	3030189
EJ-BSV-M-HV-2-NO-VSW-70-N	EJ-BSV-MEDIUM-HV-2 vacuum pump, electrically driven, NO, with holder and integrated silencer, pre-set vacuum switch NPN -70 kPa	3030190

For more information and technical data on the pre-set vacuum switches described, please see the accessories section on page 672

Identification codes		
Alphanumeric code	Accessories	Order code
CFGM1290525P	Angular female connector with M12 lock nut, 5 pins, round PUR cable, length 2.5 metres	CFGM1290525P
CFGM1200525P	Axial female connector with M12 lock nut, 5 pins, round PUR cable, length 2.5 metres	CFGM1200525P
EJ-BLOWOFF-KIT	Blow-off tank expansion kit	3030195