EJ-BSVLG-MEDIUM-ISO

- Ideal for decentralized applications
- Excellent ratio between suction flow rate and compressed air consumption
- Available with ON/OFF vacuum valve, blow-off, and integrated manual override control
- POM manifold prepared for mounting ISO 15218 (15 mm) valve of type 3/2, NO or NC, with 1.6 mm diameter opening
- Available with two- and three-stage EJ-MEDIUM cartridges (EJ-LP, EJ-HF, EJ-HV)
- Additional vacuum port for mounting a vacuum switch

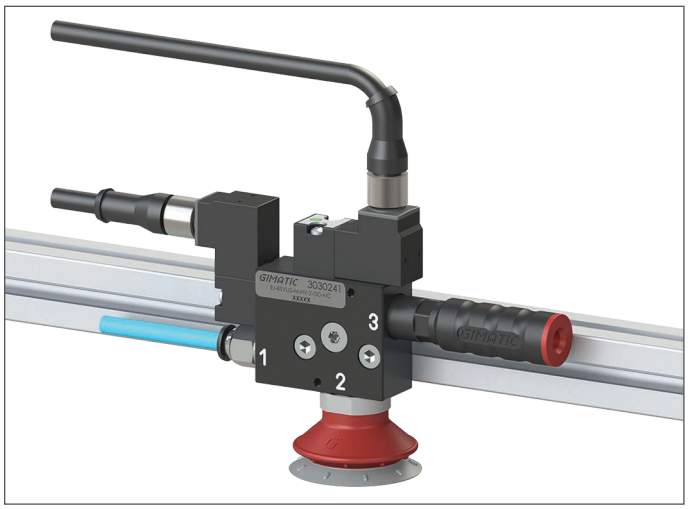
Typical applications

- Packaging machines, for the food and pharmaceutical sector
- Handling of cosmetic products
- Pick-up of porous items (cardboard, wooden sheets)
- In applications that require an integrated control system with reduced weight and compact dimensions (electronics sector)





Application example



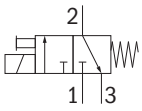
Pump technical features	
Medium	Compressed air in compliance with ISO 8573-1:2010 [7:4:4]
Max feed pressure	0.7 MPa
Weight (with solenoid valves)	60 (130) g
Material	SS, POM, Al, Nitrile (POM)
Noise level	< 70 dB
Operating temperature	-5 ÷ +50 °C

Technical features of the solenoid valves (optional)		
Brand	FIM Valvole	
Model	N331/3LB	
Operation	3/2 Normally closed (NC)	A
Orifice	0.06"	
Type of electrical connection	5-pin M12x1 (each valve)	
Drive voltage	24 Vcc ±10%	
Power absorption	2.5 W (each valve)	
IP rating	IP65	
Standard	ISO 15218 (0.59")	

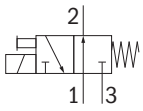
Features of compatible valves				
Standard	ISO 15218 - 0.59" (Ø0.06" hole)			
Operation	3/2 NC	C	3/2 NO	C

Example of compatible valves		
Brand	Coding	Lay-out
FIM	N331/3LB	A
FIM	N331/R0B	A
FIM	N341/3B (5 bar max)	B
Camozzi	W000-303-W23	A
Camozzi	W000-403-W23 (5 bar max)	B

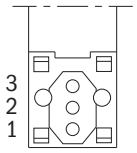
A



B



C



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-BSVLG-M-LP-2	0.45 *	0.55	0.67	0.61	0.53	0.38	0.23	0.12	0.09	0.06	0.02	–	-89
EJ-BSVLG-M-LP-3	0.45 *	0.55	1.5	0.71	0.53	0.38	0.23	0.12	0.09	0.06	0.02	–	-89
EJ-BSVLG-M-HF-2	0.65 *	0.43	0.78	0.68	0.52	0.31	0.21	0.15	0.10	0.08	–	–	-73
EJ-BSVLG-M-HF-3	0.65 *	0.43	1.35	0.75	0.55	0.31	0.21	0.15	0.10	0.08	–	–	-73
EJ-BSVLG-M-HV-2	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-BSVLG-M-HV-3	0.55 *	0.47	1.47	0.78	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- and three-stage versions

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-BSVLG-M-LP-2	0.45 *	0.55	0.17	0.33	0.55	0.9	1.5	2.4	3.7	7.1	–	-89
EJ-BSVLG-M-LP-3	0.45 *	0.55	0.08	0.23	0.44	0.76	1.4	2.4	3.7	7.1	–	-89
EJ-BSVLG-M-HF-2	0.65 *	0.43	0.13	0.30	0.54	0.9	1.5	2.3	3.2	–	–	-73
EJ-BSVLG-M-HF-3	0.65 *	0.43	0.10	0.25	0.48	0.8	1.3	2.3	3.2	–	–	-73
EJ-BSVLG-M-HV-2	0.55 *	0.47	0.14	0.32	0.55	1.0	1.6	2.4	3.5	5.1	8.7	-94
EJ-BSVLG-M-HV-3	0.55 *	0.47	0.08	0.24	0.47	0.88	1.6	2.4	3.5	5.1	8.7	-94

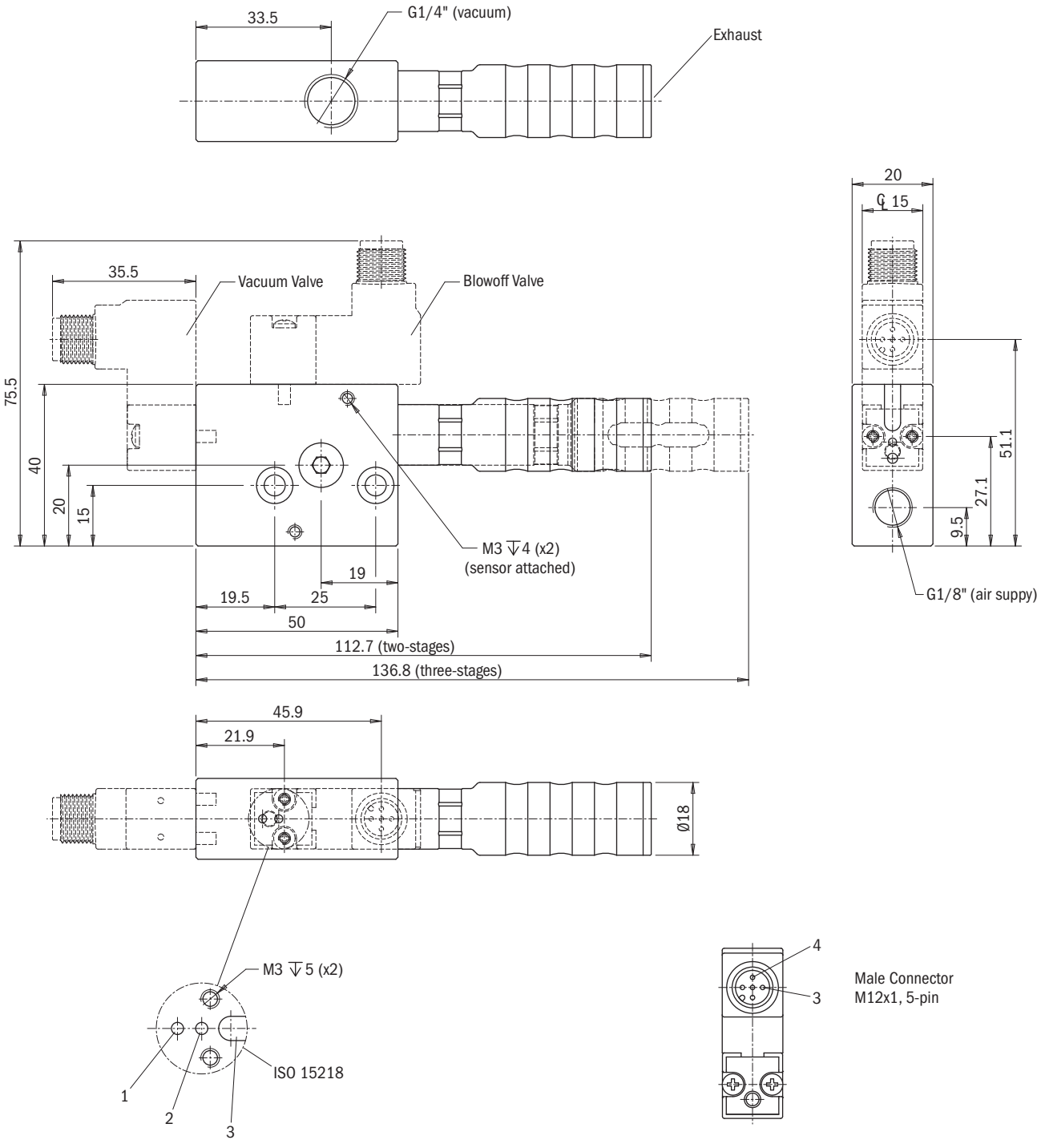
For technical specifications regarding the evacuation time and the consumption at different pressures, please refer to the technical data sheets of the EJ-MEDIUM cartridges, in the two- and three-stage versions

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The recommended feed pressure is increased by 0.05 Mpa 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-BSVLG-M-LP-2-ISO	EJ-BSVLG-MEDIUM-LP-2-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030231**
EJ-BSVLG-M-LP-3-ISO	EJ-BSVLG-MEDIUM-LP-3-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030232**
EJ-BSVLG-M-HF-2-ISO	EJ-BSVLG-MEDIUM-HF-2-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030233**
EJ-BSVLG-M-HF-3-ISO	EJ-BSVLG-MEDIUM-HF-3-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030234**
EJ-BSVLG-M-HV-2-ISO	EJ-BSVLG-MEDIUM-HV-2-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030235**
EJ-BSVLG-M-HV-3-ISO	EJ-BSVLG-MEDIUM-HV-3-ISO vacuum pump with holder and integrated silencer, ready for ISO 15218 valve, G1/4" vacuum port	**3030236**
EJ-BSVLG-M-LP-2-ISO-NC	EJ-BSVLG-MEDIUM-LP-2-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030237**
EJ-BSVLG-M-LP-3-ISO-NC	EJ-BSVLG-MEDIUM-LP-3-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030238**
EJ-BSVLG-M-HF-2-ISO-NC	EJ-BSVLG-MEDIUM-HF-2-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030239**
EJ-BSVLG-M-HF-3-ISO-NC	EJ-BSVLG-MEDIUM-HF-3-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030240**
EJ-BSVLG-M-HV-2-ISO-NC	EJ-BSVLG-MEDIUM-HV-2-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030241**
EJ-BSVLG-M-HV-3-ISO-NC	EJ-BSVLG-MEDIUM-HV-3-ISO vacuum pump with holder and integrated silencer, NC 3/2 x2 solenoid valve for vacuum and blow-off, 24Vdc, 2.5W, M12 5-pin, IP54, G1/4" vacuum port	**3030242**

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-SV-3/2NC	Spare part for solenoid valve 3/2 NC, 24V DC, 0-7 bar, 50 l/min, ISO 15218 M12	**3030256**



n°	Function
1	In
2	Out
3	Exhaust

Pin	Function		Color
3	GND	0	Blue
4	COMMAND	+24 V	Black