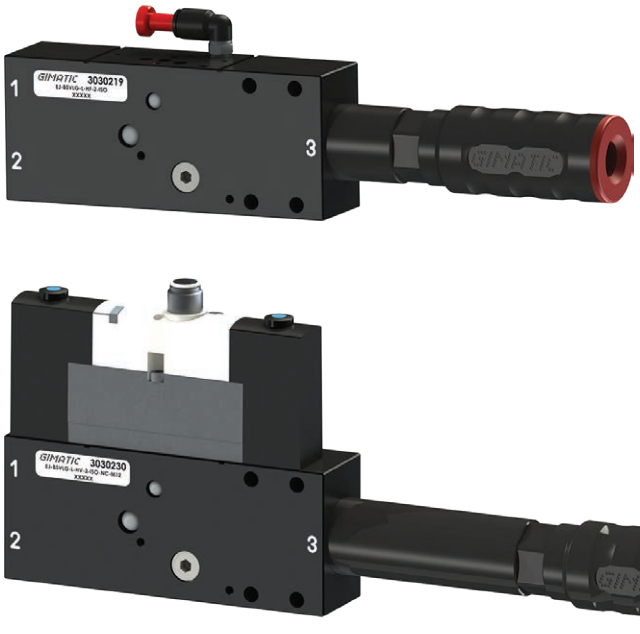
EJ-BSVLG-LARGE-ISO

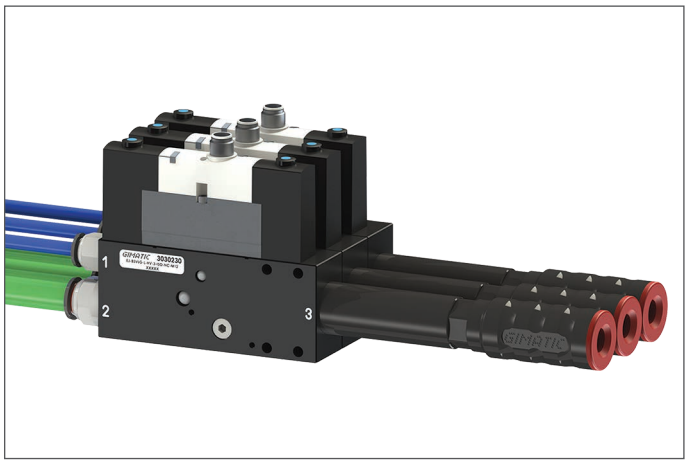
- Ideal for centralized and decentralized applications
- Excellent ratio between suction flow rate and compressed air consumption
- Available with ON/OFF vacuum valve, blow-off, and integrated manual override control
- POM manifold prepared for mounting ISO 15407-1 (18 mm) valve of type 2x 3/2 NC or 5/3 with closed centre
- Available with two- and three-stage EJ-LARGE cartridges (EJ-HF and EJ-HV)
- Additional vacuum ports for mounting a vacuum switch
- In-line design for greater dirt tolerance
- Installable in series

Typical applications

- Case packing and cartoning machines
- In applications that require an integrated control system with reduced weight and compact dimensions (electronics sector)
- Handling objects with heavy weights and porous surfaces



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 valve)	260 (450) g
Material	SS, POM, Al, Nitrile (NBR)
Noise level	< 70 dB
Operating temperature	-5 ÷ +50 °C

Technical features of NC solenoid valve (included in version EJ-BSVLG-L-*-ISO-NC-*)		
Brand	Festo	
Model	VSVA-B-T32C-AZH-A2-1R5L	
Operation	2x 3/2 Normally closed (NC), pneumatic spring loaded	A
Type of electrical connection	4-pin M12x1 Male (compatible with 5-pin M12x1 Male)	
Drive voltage	24 Vcc ±10%	
Power absorption	1/2.4 W (min/max)	
IP rating	IP65	
Piloting	External	
Standard	ISO 15407-1: VDMA 24 563	

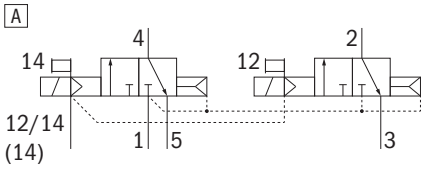
Technical features of NO solenoid valve (included in version EJ-BSVLG-L-*-ISO-NO-*)		
Brand	Festo	
Model	VSVA-B-T32H-AZH-A2-1R5L	
Operation	2x 3/2 Normally open (NO), pneumatic spring loaded	B
Type of electrical connection	4-pin M12x1 Male (compatible with 5-pin M12x1 Male)	
Drive voltage	24 Vcc ±10%	
Power absorption	1/2.4 W (min/max)	
IP rating	IP65	
Piloting	External	
Standard	ISO 15407-1: VDMA 24 563	

Features of compatible valves						
Standard	ISO 15407-1 (18 mm)					
Required piloting	External					
Operation	2x 3/2 NC	A	3/2 NO 3/2 NC	B	5/3 CC	C
Piloting outlet	Not conveyed					

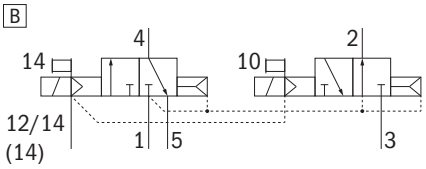
Example of compatible valves

Brand	Coding	Lay-out	Logic	Connectors
Aignep	05V S0 7 CC 00	C	5/3 CC	Type C
Festo	VSVA-B-T32C-AZH-A2-1C1	A	2x 3/2 NC	Type C
Festo	VSVA-B-T32H-AZH-A2-1C1	B	3/2 NO - 3/2 NC	Type C
Festo	VSVA-B-P53C-ZH-A2-1C1	C	5/3 CC	Type C
Norgren	V415A22D-C313A	A	2x 3/2 NC	Type C

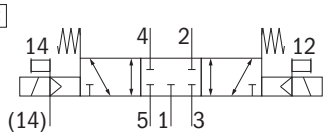
A



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-L-HF-2-ISO	0.6	1.7	3.2	3.0	2.5	1.7	0.89	0.62	0.51	0.31	–	–	-73
EJ-BSVLG-L-HF-3-ISO	0.6	1.7	5.9	3.5	2.5	1.7	0.89	0.62	0.51	0.31	–	–	-73
EJ-BSVLG-L-HV-2-ISO	0.5	1.93	2.6	2.4	1.7	1.3	0.70	0.55	0.40	0.31	0.15	0.02	-94
EJ-BSVLG-L-HV-3-ISO	0.5	1.93	6.0	3.7	2.1	1.9	0.79	0.55	0.40	0.31	0.15	0.02	-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-LARGE 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-L-HF-2-ISO	0.6	1.7	0.03	0.07	0.12	0.19	0.3	0.4	0.7	–	–	-73
EJ-BSVLG-L-HF-3-ISO	0.6	1.7	0.02	0.05	0.10	0.19	0.3	0.4	0.7	–	–	-73
EJ-BSVLG-L-HV-2-ISO	0.5	1.93	0.04	0.09	0.16	0.3	0.4	0.6	0.9	1.3	2.5	-94
EJ-BSVLG-L-HV-3-ISO	0.5	1.93	0.02	0.06	0.10	0.2	0.3	0.4	0.7	1.1	2.4	-94

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

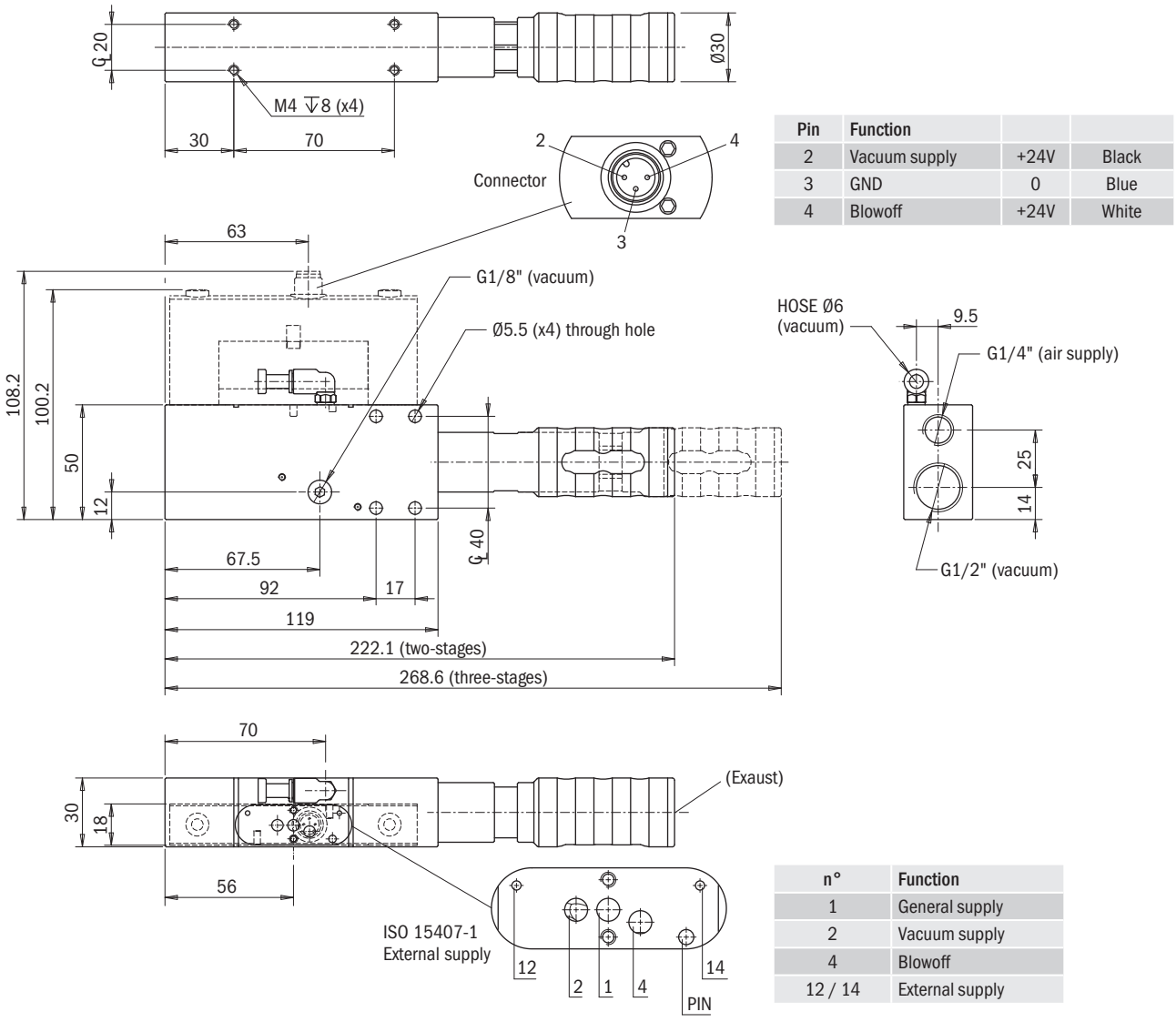
Identification codes - NC solenoid valve

Alphanumeric code	Description	Order code	
EJ-BSVLG-L-HF-2-ISO-NC-M12	EJ-BSVLG-LARGE-HF-2-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030227	
EJ-BSVLG-L-HF-3-ISO-NC-M12	EJ-BSVLG-LARGE-HF-3-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030228	
EJ-BSVLG-L-HV-2-ISO-NC-M12	EJ-BSVLG-LARGE-HV-2-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030229	
EJ-BSVLG-L-HV-3-ISO-NC-M12	EJ-BSVLG-LARGE-HV-3-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030230	
EJ-BSVLG-L-DT-2-ISO-NC-M12-H	EJ-BSVLG-LARGE-DT-2-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3030260	
EJ-BSVLG-L-HF-2-ISO-NC-M12-H	EJ-BSVLG-LARGE-HF-2-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031227	NEW
EJ-BSVLG-L-HF-3-ISO-NC-M12-H	EJ-BSVLG-LARGE-HF-3-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031228	NEW
EJ-BSVLG-L-HV-2-ISO-NC-M12-H	EJ-BSVLG-LARGE-HV-2-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031229	NEW
EJ-BSVLG-L-HV-3-ISO-NC-M12-H	EJ-BSVLG-LARGE-HV-3-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031230	NEW
EJ-BSVLG-L-HF-2-NR-ISO-NC-M12	EJ-BSVLG-LARGE-HF-2-NR-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032227	NEW
EJ-BSVLG-L-HF-3-NR-ISO-NC-M12	EJ-BSVLG-LARGE-HF-3-NR-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032228	NEW
EJ-BSVLG-L-HV-2-NR-ISO-NC-M12	EJ-BSVLG-LARGE-HV-2-NR-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032229	NEW
EJ-BSVLG-L-HV-3-NR-ISO-NC-M12	EJ-BSVLG-LARGE-HV-3-NR-ISO vacuum pump with holder, 3/2 x2 NC solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032230	NEW

Identification codes - NO solenoid valve

Alphanumeric code	Description	Order code	
EJ-BSVLG-L-HF-2-ISO-NO-M12	EJ-BSVLG-LARGE-HF-2-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030270	
EJ-BSVLG-L-HF-3-ISO-NO-M12	EJ-BSVLG-LARGE-HF-3-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030271	
EJ-BSVLG-L-HV-2-ISO-NO-M12	EJ-BSVLG-LARGE-HV-2-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030272	
EJ-BSVLG-L-HV-3-ISO-NO-M12	EJ-BSVLG-LARGE-HV-3-ISO vacuum pump with holder and integrated silencer, with 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, G1/2" vacuum port	3030273	
EJ-BSVLG-L-HF-2-ISO-NO-M12-H	EJ-BSVLG-LARGE-HF-2-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031270	NEW
EJ-BSVLG-L-HF-3-ISO-NO-M12-H	EJ-BSVLG-LARGE-HF-3-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031271	NEW
EJ-BSVLG-L-HV-2-ISO-NO-M12-H	EJ-BSVLG-LARGE-HV-2-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031272	NEW
EJ-BSVLG-L-HV-3-ISO-NO-M12-H	EJ-BSVLG-LARGE-HV-3-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port	3031273	NEW
EJ-BSVLG-L-HF-2-NR-ISO-NO-M12	EJ-BSVLG-LARGE-HF-2-NR-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032270	NEW
EJ-BSVLG-L-HF-3-NR-ISO-NO-M12	EJ-BSVLG-LARGE-HF-3-NR-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032271	NEW
EJ-BSVLG-L-HV-2-NR-ISO-NO-M12	EJ-BSVLG-LARGE-HV-2-NR-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032272	NEW
EJ-BSVLG-L-HV-3-NR-ISO-NO-M12	EJ-BSVLG-LARGE-HV-3-NR-ISO vacuum pump with holder, 3/2 x2 NO solenoid valve for vacuum and blow-off, M12x1 5-pin connection, IP54, G1/2" vacuum port (energy saving)	3032273	NEW

Identification codes - Solenoid valve not included		
Alphanumeric code	**Description**	**Order code**
EJ-BSVLG-L-HF-2-ISO	EJ-BSVLG-LARGE-HF-2-ISO vacuum pump with holder and integrated silencer, ready for ISO 15407-1 valve, G1/2" vacuum port	**3030219**
EJ-BSVLG-L-HF-3-ISO	EJ-BSVLG-LARGE-HF-3-ISO vacuum pump with holder and integrated silencer, ready for ISO 15407-1 valve, G1/2" vacuum port	**3030220**
EJ-BSVLG-L-HV-2-ISO	EJ-BSVLG-LARGE-HV-2-ISO vacuum pump with holder and integrated silencer, ready for ISO 15407-1 valve, G1/2" vacuum port	**3030221**
EJ-BSVLG-L-HV-3-ISO	EJ-BSVLG-LARGE-HV-3-ISO vacuum pump with holder and integrated silencer, ready for ISO 15407-1 valve, G1/2" vacuum port	**3030222**



Pin	Function		
2	Vacuum supply	+24V	Black
3	GND	0	Blue
4	Blowoff	+24V	White

n°	Function
1	General supply
2	Vacuum supply
4	Blowoff
12 / 14	External supply

Identification codes - Accessories	
Alphanumeric code	**Connector**
CFGM1200430	Axial female connector with M12 lock nut, 4-pin, round PVC cable, length 3 metres
CFGM1290430	Angular female connector with M12 lock nut, 4-pin, round PVC cable, length 3 metres