EJ-ATM-LINE-SMALLX2

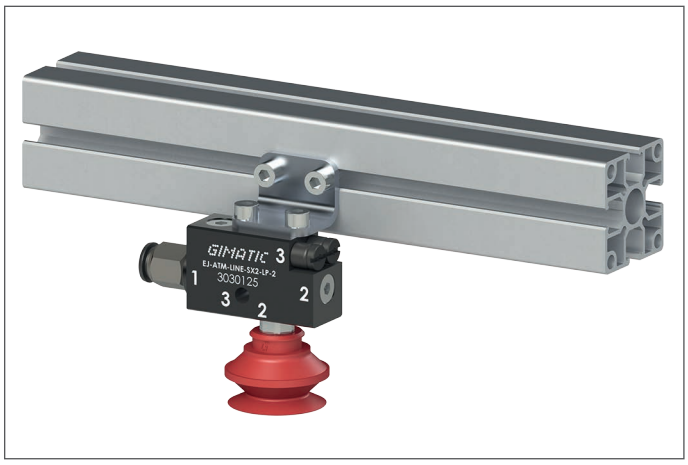
- Restores the atmospheric pressure inside the gripping device to enable the quick release of the product
- Suitable for sealed applications to reduce cycle time
- Available with Gimatic's integrated vacuum switch, pre-set (-30, -50 and -70 kPa), in the PNP and NPN versions
- Vacuum ports, in-line or L-shaped
- A single 3/2 valve controls the vacuum pump and the ATM release device
- Anodised aluminium manifold
- Multiple G1/8" vacuum ports
- Available with two two-stage EJ-SMALL cartridges (EJ-LP, EJ-HV)

Typical applications

- Robotic cells for handling parts in transformation processes, for instance when serving bending machines, sheet metal forming presses and bending processes
- Glass handling machines
- Packaging machines, for the food and pharmaceutical sector



Application example



Technical features	
Medium	Compressed air in compliance with ISO 8573-1:2010 [7:4:4]
Max feed pressure	0.7 MPa
Weight	66.5 ÷ 73.5 g
Material	PA, SS, Al, Nitrile (NBR)
Noise level	< 70 dB

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-ATM-LINE-SX2-LP-2	0.22	0.34	0.5	0.36	0.16	0.1	0.08	0.05	0.036	0.0106	–	–	-82
EJ-ATM-LINE-SX2-HV-2	0.5	0.26	0.44	0.32	0.20	0.12	0.10	0.08	0.04	0.02	0.02	–	-92

For technical specifications regarding the suction flow rate and the air consumption at different pressures, refer to the technical data sheets of the two-stage EJ-SMALL-LP cartridges and multiply by two the values reported at the different vacuum levels

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-ATM-LINE-SX2-LP-2	0.22	0.34	0.23	0.61	1.38	2.5	4.03	6.35	10.65	29.5	–	-82
EJ-ATM-LINE-SX2-HV-2	0.5	0.26	0.26	0.65	1.27	2.2	3.3	4.95	8.3	18.3	–	-92

For technical specifications regarding the evacuation time and the consumption at different pressures refer to the technical data sheets of the EJ-SMALL-LP cartridges and divide by two the reported values

Identification codes		
Alphanumeric code	**Description**	**Order code**
EJ-ATM-LINE-SX2-LP-2	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder	**3030125**
EJ-ATM-LINE-SX2-HV-2	EJ-ATM-LINE-SMALLX2-HV-2 vacuum pump with holder	**3030205**
EJ-ATM-LINE-SX2-LP-2-VSW-30-P	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch PNP -30 kPa	**3030126**
EJ-ATM-LINE-SX2-LP-2-VSW-50-P	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch PNP -50 kPa	**3030127**
EJ-ATM-LINE-SX2-LP-2-VSW-70-P	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch PNP -70 kPa	**3030128**
EJ-ATM-LINE-SX2-LP-2-VSW-30-N	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch NPN -30 kPa	**3030129**
EJ-ATM-LINE-SX2-LP-2-VSW-50-N	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch NPN -50 kPa	**3030130**
EJ-ATM-LINE-SX2-LP-2-VSW-70-N	EJ-ATM-LINE-SMALLX2-LP-2 vacuum pump with holder, pre-set vacuum switch NPN -70 kPa	**3030131**
CFGM800325P	Axial female connector with M8 lock nut, 3 pins, round PUR cable, length 2.5 metres	**3030148**

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

