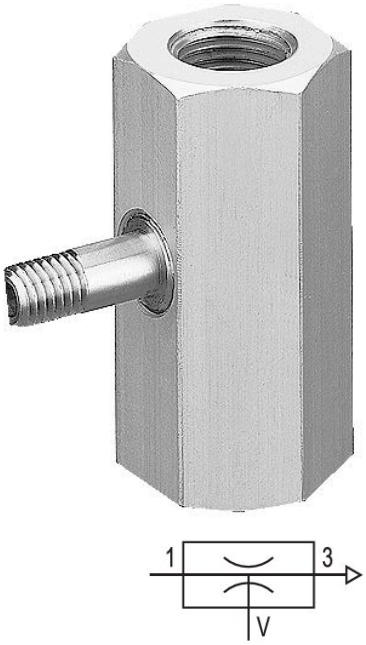
Ejector Inline, Series EIX

0821305009

2024-02-19

- Pneumatic control



AVENTICS Series EIX Ejectors

AVENTICS EIX Series Inline vacuum ejectors are pneumatically operated. Inline ejector Series EIX can be installed directly between suction cup and compressed air supply to handle all types of workpieces with manipulators, industrial robots and feeder systems.

Technical data

Industry	Industrial
Activation	Pneumatically
Nozzle Ø	0.7 mm
Min. working pressure	2 bar
Max. working pressure	6 bar
Min. ambient temperature	0 °C
Max. ambient temperature	50 °C
Min. medium temperature	0 °C
Max. medium temperature	60 °C
Medium	Compressed air
Min. oil content of compressed air	0 mg/m³
Max. oil content of compressed air	1 mg/m³
Max. particle size	5 µm
Max. suction capacity	11 l/min
Air consumption at p.opt.	21 l/min
Max. vacuum level at p.opt	81 %
Weight	0.028 kg
Housing material	Aluminum
Surface housing	anodized
Nozzle material	Brass
Part No.	0821305009

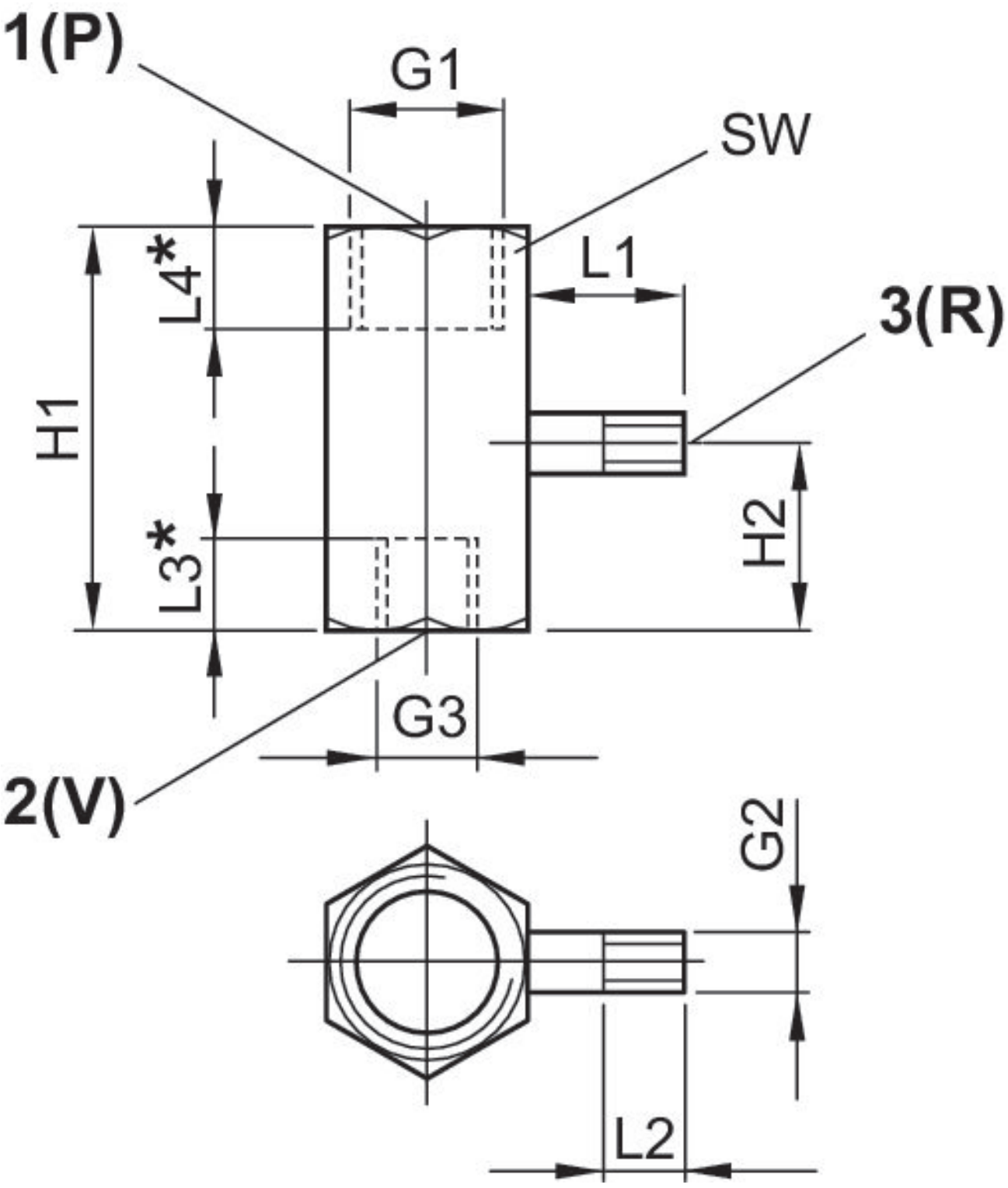
Technical information

Note: All data refers to an ambient pressure of [[1,013] bar] and an ambient temperature of [[20]°C].

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Dimensions



Part No.	L1	L2	L3	L4	H1	H2	G1	G2	G3
0821305186	12.8	5	7.5	10	35	16	G 1/4	M5	G 1/8

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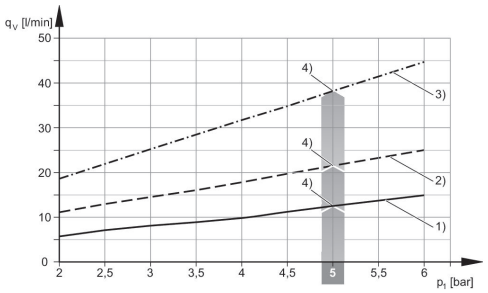
Part No.	L1	L2	L3	L4	H1	H2	G1	G2	G3
0821305009	12.8	5	7.5	10	35	16	G 1/4	M5	G 1/8
0821305187	12.8	5	7.5	10	35	16	G 1/4	M5	G 1/8

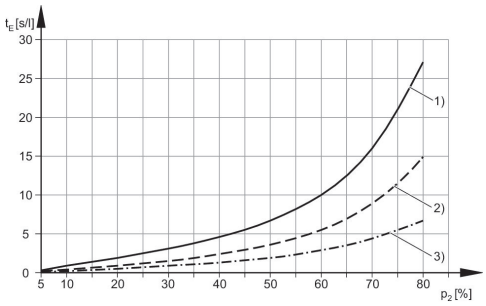
Part No.	SW
0821305186	17
0821305009	17
0821305187	17

Air consumption qv depending on working pressure p1



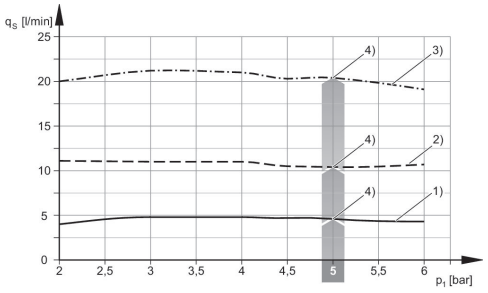
1) Ø nozzle [[0.5] mm]
2) Ø nozzle [[0.7] mm]
3) Ø nozzle 0.9 mm
4) optimum working pressure

Evacuation time tE depending on vacuum p2 for 1 l volume (with optimal operating pressure p1opt)



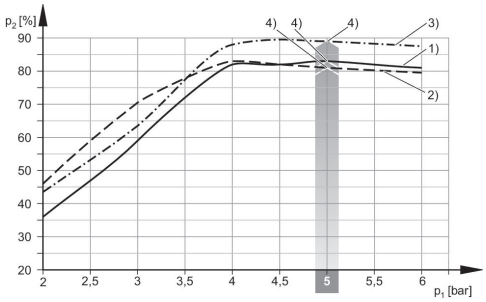
1) Ø nozzle [[0.5] mm]
2) Ø nozzle [[0.7] mm]
3) Ø nozzle 0.9 mm

Suction capacity qs depending on working pressure p1



1) Ø nozzle [[0.5] mm]
2) Ø nozzle [[0.7] mm]
3) Ø nozzle 0.9 mm
4) optimum working pressure

Vacuum p2 depending on working pressure p1



1) Ø nozzle [[0.5] mm]
2) Ø nozzle [[0.7] mm]
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4) optimum working pressure