Ejector, Series EBS

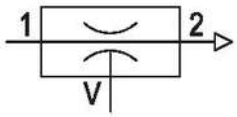
R412007448

2024-02-20

AVENTICS Series EBS Ejectors

The AVENTICS Series EBS ejectors are the convincing and talented multi-taskers within the AVENTICS ejector Series. Parallel to the main advantages of this ejector Series, these ejectors offer additional benefits due to their enormous versatility.





Technical data

Industry	Industrial
Activation	Pneumatically
Note	push-in fitting
Type	Ejector
Version	pneumatic control, inline form
Nozzle Ø	0.7 mm
Min. working pressure	3 bar
Max. working pressure	6 bar
Min. ambient temperature	0 °C
Max. ambient temperature	60 °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
Compressed air connection	Ø 4
Vacuum connection+	Ø 4
Max. suction capacity	15.9 l/min

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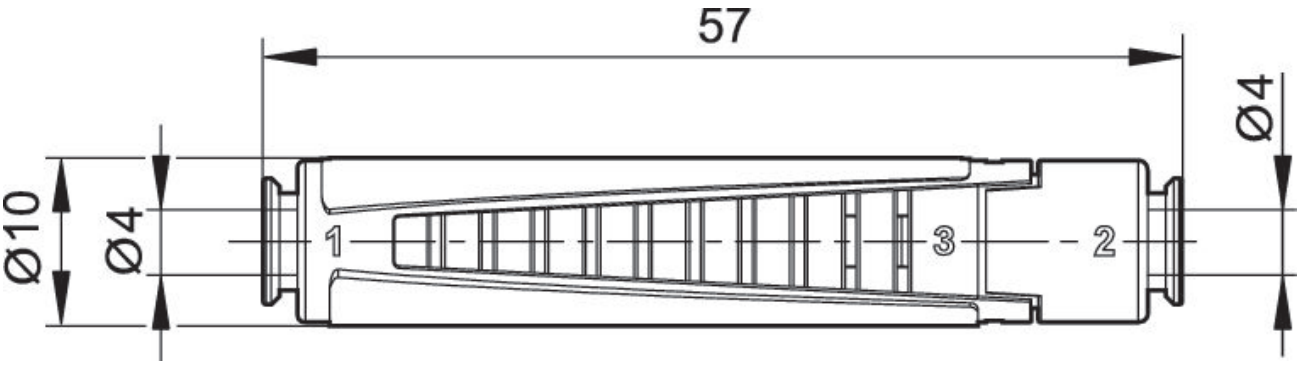
Air consumption at p.opt.	25 l/min
Max. vacuum level at p.opt	85 %
Sound pressure level intake effect	63 dB
Sound pressure level intake effect	63 dB
Weight	0.005 kg
Housing material	Polyamide fiber-glass reinforced
Seal material	Acrylonitrile butadiene rubber
Nozzle material	Aluminum
Material release ring	Polyamide
Part No.	R412007448

Technical information

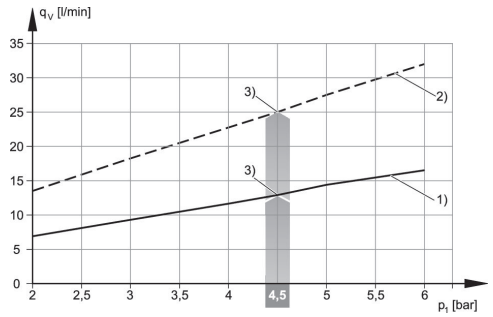
Note: All data refers to an ambient pressure of [[1,013] bar] and an ambient temperature of [[20]°C].

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

Dimensions

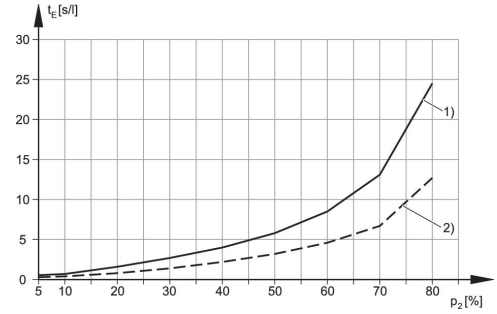


Air consumption qv depending on working pressure p1



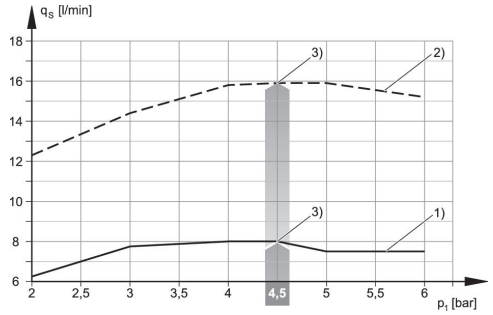
1) = Ø nozzle 0.5 mm 2) = Ø nozzle 0.7 mm
3) optimum working pressure

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



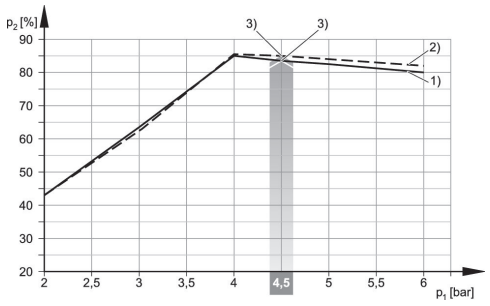
1) = Ø nozzle 0.5 mm 2) = Ø nozzle 0.7 mm

Suction capacity qs depending on working pressure p1



1) = Ø nozzle 0.5 mm 2) = Ø nozzle 0.7 mm
3) optimum working pressure

Vacuum p2 depending on working pressure p1



1) = Ø nozzle 0.5 mm 2) = Ø nozzle 0.7 mm
3) optimum working pressure